

f_fCf,,f<fAfbfv flfbfgf[]fN,ÌŠT—v

f_fCf,,f<fAfbfv flfbfgf[]fN,ÍAWindows NT fŠf,[]fg fAfNfZfX fT[]fjfX (RAS) ,lfNf%ofCfAf“fg”Á,Á,·[]B

f_fCf,,f<fAfbfv flfbfgf[]fN,ðŽg,æ,Æ[]AŽ©‘î,âzfef<,È,Ç[]Af,fff€,ð[]Ú‘±,Á,«,é“d~b

%oňü,lfWfffbfN,Æ“dCE¹fRf“fZf“fg,ª, ,éfŠf,[]fg fTfCfg,È,ç,ç,±,©,ç,Á,àlftfBfX,lffbfgf[]fN,É[]Ú‘±,·,é,±,Æ,ª,Á,«,Ü,·[]Bf_fCf,,f<fAfbfv flfbfgf[]fN,Í[]Af_fCf,,f<fAfbfv

fT[]fo[],ðCEÄ,Ñ[]o,µ[]Aflfbfgf[]fN,Æ,ì“d~b[]Ú‘±,ðŠm—š,·,é,±,Æ,É,æ,Á,Ä<@“\,µ,Ü,·[]B,ç,Á,½,ñ[]Ú‘±,ªŠm—š,³,è,½,ç[]AflftfBfX“à,Áflfbfgf[]fN,âf[]fj< f[]f^fx[]fX,Æ‘¼[]Ú‘±,µ,Ä,ç,é,Æ,«,Æ,Ü,Á,½,-

“~,¶,æ,æ,ÉfAfvfŠfP[]fVf#f“,ðŽÀ[]s,µ[]A[]i<Æ,·,é,±,Æ,ª,Á,«,Ü,·[]B

,½,Æ,!,Î[]AŽÿ,ì,æ,æ,È,±,Æ,ª,Á,«,Ü,·[]B

- Windows NT fGfNfXfvf[]f%o,ðŽg,Á,ÄfŠf,[]fg f[]f^fx[]fX,ÉfAfvfZfX,Á,«,Ü,·[]B
- “dŽqf[]f<,ð’—Žó[]M,Á,«,Ü,·[]B
- flftfBfX,lfvfŠf“f^,Äftf@fCf<,ð^ó[]ü,Á,«,Ü,·[]B

f_fCf,,f<fAfbfv flfbfgf[]fN fNf%ofCfAf“fg,Í[]ATCP/IP[]AIPX[]ANetBEUI ,ì,ç,·,è,©,ðŽg,ç[]Af,fff€[]AISDN

%oňü[]AX.25[]APPTP ,ì,ç,·,è,©,ð%oi,µ,Ä[]A, ,ç,ä,é SLIP fT[]fo[][]APPP fT[]fo[][]A,“,æ,Ñ Microsoft RAS fT[]fo[],É[]Ú‘±,Á,«,Ü,·[]B

Macintosh f{fŠf...[]f€,“,æ,Ñ AppleTalk fvfŠf“f^,Ö,lf_fCf,,f<fCf“%oňü,ð%oi,µ,½[]Ú‘±,lfTf[]fg,³,è,Ä,ç,Ü,¹,ñ[]B

œ»Ÿ,ì“d~b’ ,É“o~^,³,ê,Ä,ç,é,; ,x,Ä,ìfGf“fgfŠ,ì^ê—,Ä,·BfGf“fgfŠ,ð‘I’ð,μAŽŸ,É [f_fCf,,f<]
,ðfNfŠfbfN,μ,Ä,,¾,³,çB,Ü,½A[,,»],ì‘¼]
,ðfNfŠfbfN,·,é,ÆA fGf“fgfŠ,ì•ÖW A•;i»Aíœ,È,Ç,ª,Ä,«,Ü,·B
Šù’è,ì“d~b’ ,íAfvfXfef€“d~b’ (rasphone.pbk) ,Ä,·B,Ü,©,ì“d~b’ ,ðŠù’è,ì“d~b’ ,É,·,é,É,íA[,,»],ì‘¼]
,ðfNfŠfbfN,μA[ft[fU[Ÿè] ,ðfNfŠfbfN,μ,Ü,·BŽŸ,ÉA[“d~b’] f^fu,ÄACEÂ|—
p“d~b’ ,Ü,½,í,,»],ì‘¼,ì“d~b’ ,ð‘I’ð,μ,Ü,·B

“d~b’ ,ÉfGf“fgfŠ,đ’Ç%Á,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

fGf“fgfŠ,ì•ÒW□A□í□œ□A•;□»„È,Ç,đ□s,ƣfRf}f“fh,đ•\Ž!,·,é,Æ,«„ÉfNfŠfbfN,μ,Û,·□B

f_fCf,,f<,³,ê,é"Ô□t,ª□A□Ú"ª"Ô□t□A□Ú"ö"Ô□t,àšÜ,ß,Ä□Af_fCf,,f<,³,ê,é,Æ,¨,è,É•\Ž!,³,ê,Ü,·□B"Ô□t,ì•\Ž!•ù-
@,đ•İ□X,μ,½,è□A^êŽž"l,ÉfGf"fgfŠ,ÉŠÖ~A•t,¯,ç,ê,Ä,ç
,é"Ô□t^ÈŠO,ì"Ô□t,Éf_fCf,,f<,·,é,½,ß,É□V,μ,ç"Ô□t,đf{fbfNfX,É"ü—í,μ,½,è,·,é,É,í□A[□Š□Ý'n]
,đfNfŠfbfN,μ,Ü,·□B

,Ç,ìŠŸ'n,©,çf_Cf,,f<,:é,©,ðŽw'è,μ,Û,·B

f%ofbvfvgfbfv fRf"fsf...[f^,ðŽg,Á,Ä,ç,éê±,íAflftfBfXAZ©'íAfzfeç<,È,Ç,ì,³,Û,´,Û,ÈŠŸ'n,É,Á,ç
,ÄAfvfjpfefB,ðŸ'è,μ,Ä,",,±,Æ,ª,Ä,«,Û,·B,±,π,μ,Ä,"-,íAŠŸ'n,ìŸ'è,ðŠî,ÉAZsŠO<Ç"Ô,â,»,±,ÄŽg—
p,Ä,«,é'É~bfj[fh"Ô†,ðf_Cf,,f<,:é,æ,π,É"d~b' fGf"fgfŠ,ðffXf^f}fCfY,Ä,«,Û,·B

'l'đ,μ,½ŠŸ'n,lfvf[]pfefB,đ•İX,;é,Æ,«,âA[]V,μ,čŠŸ'n,đ[]İ-,;é,Æ,«,ÉfNfŠfbfN,μ,Ü,·B
,±,lf{f^f",đfNfŠfbfN,μ,½,Æ,«,É•\Ž!,³,ê,éf_fCfAf[]fO f{fbfNfX,íA[Šî-{} f^fu,ì
[fefCEftfHfj[] f_fCf,,f<,lfvf[]pfefB,đŽg,±] f`fFfbfN f{fbfNfX,đfif",É,μ,Ä,č,é,©,Ç,±
,©,É,æ,è•í,í,Á,Ä,«,Ü,·BSù'è,ìŸ'è,Ä,íA,±,lf`fFfbfN f{fbfNfX,ífift,É,É,Ä,Ä,"èA<CEfo[]fWf#f",ì RAS
,Ä,àŽg,í,é,Ä,č,½ [Ü"à"Ö[]+] f{fbfNfX,Æ [Ü"ö"Ö[]+] f{fbfNfX,đ-~—p,Ä,«,Ü,·B
fefCEftfHfj[].lf_fCf,,f<@"\,đŽg,±ê[]#,íA,±,lf`fFfbfN f{fbfNfX,đfif",É,μ,Ä,,¾,¾,č[]B,±,ì<@"\,đŽg,±%oÄ"\
[]«,ª, ,é,ì,íA'<—£'Ê~b,đŽg,±ê[]#,âAfNfCEfWfbfg fj[]fh,đŽg,±ê[]#,Ä,·B

[f_fCf,,f<,·,é“d~b’ fGf“fgfŠ] f{fbfNfX,Å‘l’ð,³,ê,Ä,ç,é“d~b’ fGf“fgfŠ,Éf_fCf,,f<,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·□B

f_CfAfO f{fbNfX,đ•Â,ŋ,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·B

fGf“fgfŠ,ÉŠÖ,·,éŠo,i□‘,«,š“ü—í,·,é□é□Š,Å,·□B%º½,à“ü—í,μ,È,,Ä,à,©,Ü,ç,Ü,¹,ñ□B

f_fCf,,f<æ,îf_fCf,,f<fAfbfv fT[]fo[]L,ì""Ô[]t,ð'l,Ñ,Ü,:[]B

f_fCf,,f<æ,lf_fCf,,f<fAfbfv fT[]fo[]l,žsŠO<Ç"Ô,đ"ü—í,μ,Û,·B

f_fCf,,f<fAfbfv fT[]fo[]l,ª"ú-{[]ŠO,É, ,é[]ê[]‡,í[]A,±,±,É,í[]æ"ª,ì 0 ,đŠÛ,Û, ,ÉŽsŠO<Ç"Ô,đ"ü—í,μ,Ä,-
,¾,¾,ç[]B,½,Æ,!,í[]AŽsŠO<Ç"Ô,ª 071 ,í[]ê[]‡,í[]A71 ,Æ,¾,~"ü—í,μ,Û,·B

f_fCf,,fAfbfv fT[fo[,"d~b"Ôt,đ"ü—í,μ,Ü,·B,±,±,ÅŽw'è,Å,«,é"ÁŽè,È•ŋŽš,É,Â,č
,Ä,íA"d~b"Ôt,ìCüžqv,đŽQÆ,μ,Ä,,¾,¾,čB

,±,ìfGf"fgfŠ,ÉŽg,π 2 ,Â-Ú^È~ ,ì"d~b"Ô+ ,đ'Ç%oÁ, ,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B1 ,Â-Ú,ì"d~b"Ô+ ,ÂÚ'±
,Â,«,È,©,Á,½ê±,íAÚ'±,³í,ÉŠm—š,Â,«,é,Û,Â 2 ,Â-Ú^È~ ,ì"d~b"Ô+ ,ê±,Éf_fCf,,f<,³,ê,Û,·B

f_fCf,,f<,ÉŽg,κ'•'u,δ'ı'δ,μ,Ü,·□B[frfW□[□ó'Ô,ı,Æ,«,ı•Ê,ıf|□[fg,đŽg,κ] f`fFbfN f{fbfNfX,đfıf“,É,μ,Ä,“,-
,Æ□A,±,±,Ä'ı'δ,μ,½'•'u,Ä,ı□Ú'±,ÉŽ,“s,μ,½,Æ,«,ı□A“~,ıŽı—p,ı,Ü,©,ı'•'u,đŽg,Ä,Ä□Ú'±,ªŽŽ,Ý,ç,è,Ü,·□B

[f_fCf,,f<•û-@] f{fbfNfX,Ä,ı□Af_fCf,,f<,É•ı□”ı%ñ□ü,đŽg,κ,æ,κ,É'ı'δ,·,é,±
,Æ,à,Ä,«,Ü,·□B•ı□”%ñ□ü,δ'ı'δ,·,é,Æ□A•ı□”ı•”—□“ı,È%ñ□ü,đ~—□“ı,È 1 ,Ä,ı “©”
,ÉÆ<□‡,·,éf}f<f`fŠf“fN<@“\,ªŽg,ı,è,Ü,·□B,±,ı<@“\,Ä,ı□A1 -{,ı•ı□‡fŠf“fN,đ□ı□-,·,é,±
,Æ,É,æ,è□A'Ñ^æ•□,ª'□%Á,μ,Ü,·□B

f}f<f`fŠf“fN,đŽg,κ,É,ı□AfNf%ofCfAf“fg,ÆfT□[fo□[ı,ı—¼•û,Äf}f<f`fŠf“fN<@“\,ª—LCEø,É,È,Ä,Ä,ç
,È,~,è,ı,È,è,Ü,ı,ñ□B

□Ú'±,ÉŽg,κf,fff€,âfAf_fvf^,δ'ı,Ô,É,ı□A[□\□-] ,đfNfŠfbfN,μ,Ü,·□B

'•'uCEÅ—L,ì□Ý'è,ð□\□¬,;é,Æ,«,ÉfNfŠfbfN,μ,Û,·□B,½,Æ,ì,Î□A□Ú'±,Éf,fff€;ðŽg,¼□ê□‡,Í□A,±,±,ðfNfŠfbfN,μ,Ä□Af,fff€,ì'É□M'¬“x,ð□Ý'è,μ,½,è□Af,fff€^3□k<@“\,ð—LCEø,É,μ,½,è,Å,«,Û,·□B

, ±, ĩf` fFfbfN f{fbfNfX, íAfeſĈeftfHfj[] , ĩf_fCf,, f<<@“\, đŽg, x, Æ, «, Éfıf“, É, μ, Ü, ·□B, ±, ï<@“\, í□A’<<—
£’É~b, Å□Ú’ ±, ·, é□é□‡, â□AfNfĈefWfbfg fj□[fh, đŽg, x□é□‡, É•Ö—~ , Å, ·□B, ±, ĩf` fFfbfN
f{fbfNfX, đfıf“, É, ·, é, Æ□A[f_fCf,, f:fAfbfv flfbfgf□□[fN] fEfBf“fhfE, ï [□Š□Ý’n]
, đNfŠfbfN, μ, ½, Æ, «, É□AfeſĈeftfHfj[] [—p, ĩfvf□fpfefB fy□[fW, ^a•Žı, ³, é, Ü, ·□B, ±, ĩf` fFfbfN
f{fbfNfX, đfıft, É, ·, é, Æ□A<Ĉfo□[fWf‡f“, ï RAS , Å, àŽg, í, é, Ä, ċ, ½ [□Ú“^a”Ô□†] f{fbfNfX, Æ [□Ú”ö”Ô□†]
f{fbfNfX, ^a•Žı, ³, é, Ü, ·□B
“à□ü, Éf_fCf,, f<, ·, é□é□‡, í□A, ±, ĩf` fFfbfN f{fbfNfX, ĩfıf“, É, μ, È, ċ, Å, , ³/₄, ³, ċ□B

f_fCf,,f<fAfbfv fT[]fo[][,iŽí—p,đ'í'đ,μ,Ü,·□BfT[]fo[][,iŽí—p,đ,í,©,ç,È,ç□é□#,í□A[PPP] ,đ'í,ñ,Ā,,¾,¾,ç□BSLIP
fT[]fo[][,đĀ,Ñ□o,·□é□#,í□A[SLIP] ,đ'í,ñ,Ā,,¾,¾,ç□B<Āfo[]fWfjf“ ,ì RAS fvf□fgfRf<,đŽg,Ā,Ā,ç
,éfT[]fo[][,Éf_fCf,,f<,·é□é□#,í□A[RAS] ,đ'í,ñ,Ā,,¾,¾,ç□B
,±,±,Ā'í'đ,μ,½fT[]fo[][,iŽí—p,É,æ,Ā,Ā,í□A[fT[]fo[][]
f^fu,lfvf□fgfRf<,â,» ,ì'¼,lfvfVfjf“ ,ì^è•” ,đ'í'đ,Ā,« ,È,ç□é□#,à , ,è,Ü,·□B

[f]bfgf[]fN fvf[]fgfRf<] ,Å'í'ð,·,évf[]fgfRf<,í[]Af_fCf,,f<fAfbfv fT[]fo[][,Æ,ì[]Ú'±,ªŠm—§,³,è,½CEã[]ALAN
[]ä,ìŠeŽifT[]fo[][,Æ'É[]M,·,é,Æ,«,ÉŽg,xfvf[]fgfRf<,Å,·[]B,Ç,ìfvf[]fgfRf<,ð'í'ð,·,é,x,«,©,í,©,ç,É,ç,ç[]ê[]#,í[]Af]b
fgf[]fNŠÇ—[]ŽÒ,É-â,ç[]#,í,¹,Ä,,³/₄,³,ç[]B

,±,±,Å,í[]A·;[]",ìfvf[]fgfRf<,ð'í'ð,·,é,±,Æ,à,Å,«,Ü,·[]BŠù,ÉfRf"fsf...[]f^,ÉfCf"fXfg[]f<,³,è,Ä,ç
,évf[]fgfRf<,ìf`ffbfN f{fbfNfX,í[]ASù'è,ì[]Ý'è,Åf]f",É,È,Á,Ä,ç,Ü,·[]B

TCP/IP (Transmission Control Protocol/Internet Protocol) " " — äfvf/fCf“f^ [f]fbfg
fvf/fgfRf<) , íACEY, ç, ÉÚ'±, ³, è, ½f]fbfgf [fNŠÖ, Å, ì'ÉM, ð'ň<ÿ, , éf]fbfgf [fN fvf/fgfRf<, Å, ·B
TCP/IP , íAfcf“f^ [f]fbfg, ÅŽg, í, è, éf]fbfgf [fN fvf/fgfRf< fZfbfg, Å, ·B

Novell, ĩfjbfjgffN, ĀŽg, í, ê, é NetWare fvffgfRf< fZfbfg, Ā, ·B

NetBEUI, í Microsoft fíbfjgíííN—p,ÉŠj”,³,ê,½fíbfjgíííN fvfífgfRf<,Á,·B,±,ìfvfífgfRf<,íANetBIOS
<KŠi,đŽÀ•,μ,½fvfífgfRf<,ì Microsoft “Á,Á,·B

,±,ì“d~b’ fGf“fgfŠ—p,ì TCP/IP ,ìÝ’è’l,ðÝ’è,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·BMicrosoft fT[]fo[] (Windows NT[]AWindows 95[]A,Û,½,í,»,’¼,ì Microsoft RAS fT[]fo[]() ,ðÆÄ,Ño,·ê[]#,í[]ATCP/IP ,ìÝ’è’l,ð[]\ []-,·,é•K—v,í, ,è,Û,¹,ñ[]B

f_fCf,,f<fAfbfv flfbfgf□□[fN,Å,í□Af,fff€É,æ,é^³□k,³ftf|□[fg,³,é,Ä,ç,é,¾,¯,Å,È,□Af\
ftfgfEjfFA,É,æ,éff□[f^³□k,ì<@“\,à’ñ<ÿ,³,é,Ä,ç,Ü,·□B,±,ì,½,ß□AfXf<□[fvfbfg,ðCEü□ã,³,¹,é-Ú“l,Å^³□k<@“\
,ðŽg,¤□ê□‡,í□Af,fff€^³□k,ðfif“,É,·,é•K—v,í, ,è,Ü,¹,ñ□B
,±,ìf`fFfbfN f{fbfNfX,ðfif“,É,·,é,Æ□Af\ftfgfEjfFA^³□k,ª—LCEø,É,È,è,Ü,·□B
□Å’å,ì^³□kCEø—¡,ð“¾,é,½,ß,É□,„§,·,éŽ-□€,É,Å,ç,Ä,í□A□u^³□k,ÉŠÖ,·,éŽw□j□v,ðŽQ□Æ,µ,Ä,,¾,³,ç□B

,±,İf`fFfbfN f{fbfNfX,đflf“,É,·,é,Æ□APPP ,ì□V<@“\,ª—LÆø,É,È,è,Û,·□B,±,ê,ç,İŠg’f<@“\,đŽg,æ,Æ□ACEĀ,ç
PPP f\ftfgfEfffA,đŽg,Á,Ā,ç,éft□[fo□[,ðCEĀ,Ñ□o,μ,½,Æ,«,É-â’è,ª”□¶,·,é%oĀ”\□«,ª, ,è,Û,·□BCEp’±,μ,Ā-
â’è,ª”□¶,·,é□ê□‡,É,¾,~□A,±,İf`fFfbfN f{fbfNfX,đflft,É,μ,Ā,,¾,³,ç□B
 ,±,İf`fFfbfN f{fbfNfX,đflft,É,·,é,Æ□ALCP ,í□APPP ,ì LCP flfSfVfG□[fVf‡f“,É,“,̄,é Time-Remaining
fpfPfbfg,Æ Identification fpfPfbfg,ì—□M□A,“,æ,ÑfR□[f<fofbfN—v□,đ□s,í,È,,È,è,Û,·□B

f_fCf,,f<Æä,ÉfXfNfŠfvg,àf^[]f~fif<,àŽg,í,È,ç[]ê[]‡,Í[]A,±,ìf|fvfVf‡f“,đ'í'đ,μ,Û,·[]B

f_fCf,,f<CEä,Éf^[]f~fif< fEfBf“fhfE,ðŽg,æ[]ê[]‡,í[]A,±,ìfifvfVf‡f“,ð'!‘ð,μ,Û,·[]B
[]ufŠf.[][fg_f[]Ofif“,É RAS f^[][f~fif<ðŽg,æ[]v,ðŽQ[]Æ,μ,Ä,,¾,¾,¾,ç[]B

f_fCf,,f<CEă,ÉfXfNfŠfvfg,đŽg,æ□ê□#,Í□A,±,ì|f|vf|f#f“,đ'í'đ,μ,Û,·□B

f_fCf,,f<CEã,ÉŽg,xfXfNfŠfvg,đ'ı'đ,μ,Ü,·□B,±,±,Å'ı'đ,Å,«,éfxfnfšfvg,í□ASWITCH.INF “à,É<L□q,³,é,Ä,ç
,éfxfnfšfvg,Å,·□BSWITCH.INF
,đ•Ò□W,·,é,Î□ASù'¶,ìfxfnfšfvg,đ□C□³,μ,½,è□A□V,μ,çfxfnfšfvg,đ□ì□¬,μ,½,è,Å,«,Ü,·□B
□uSWITCH.INF fxfnfšfvg,đŽg,Á,ÄfŠf,□[fg_f□fOfıf“,đŽ©“@%o»,·,é□v,đŽQ□Æ,μ,Ä,,³/₄,³,ç□B

Šù'¶,ìfXfNfŠfvg,đ•Ò□W,μ,½,è□A□V,μ,çfXfNfŠfvg,đì□¬,μ,½,è,·,é,½,ß,É SWITCH.INF ,đŠJ,-
,Æ,«,ÉfNfŠfbfN,μ,Û,·□B

SWITCH.INF ,đ•Ò□W,μ,½CEã□AfXfNfŠfvg,ì^ê—,đ□X□V,·,é,½,ß,ÉfNfŠfbfN,μ,Û,·□B

f_fCf,,f' O,ÉfXfNfŠfvfg,đŽg,ϣéϣ,ÉfNfŠfbfN,μ,Ü,·B,½,Æ,ı,îAf_fCf,,f' O,İfXfNfŠfvfg,ÍAfNf%ofCfAf"fg'ϣ
,ÉY'u,³,ê,Ä,ç,é'†%ôî'•u,đŽg,ϣéϣ,É,Ç,É•K—v,É,È,è,Ü,·B

f_fCf,,fAfbfv fT[fO[.,Æs,κ" F∅,Æ^ Ā+%%»,)fSfVfG[fVf+f", ĀŽg,κE' '¥,đ'l,Ô,±
,Æ,ª,Ā,«,Ü,·B" F∅,Æ,ÍAFT[fO[.,É'í,μ,ĀfNf%o fCfAf" fg,ªfAfNfZfXCE ,đŽ,Ā,©,Ç,κ,©,đEŸ,.,.é^—
□,Ā,·B^ Ā+%%»,)đŸ'è,.,é,ÆA'ÊM%oňü,đŽg,Ā,Ā"]'—,³,ê,éff[f^,đ'æŽOŽÒ,ªŠĀŽ<.,.é,ì,đ-h,®,±
,Æ,ª,Ā,«,Ü,·B

fT[]fo[], ©,ç—v<[],³,ê,½, ,ç,ä,é”F[]Ø (MS-CHAP[]AMD5-CHAP[]ASPAP[]APAP) ,đŽg,ꝛ[]Ú’±,đ<-
%oÂ,μ,Û,·[]B,±,ì[]Ý’è,í[]A[]Å,àŠ°—e,ÈfZfLf...fŠfefB,ì[]Ý’è,Å,·[]BfjpfXf[]fh,ì~R%ok,È,Ç,đ[]S”z,·,é•K—
v,ì,È,ç[]ê[]‡,É’I’đ,μ,Ä,³/₄,³,ç[]B,±,}f}f}Vf}f}“ ,í[]AMicrosoft []»,Å,Í,È,çfT[]fo[],đœÄ,Ñ[]o,·[]ê[]‡,É•Ö—~ ,Å,·[]B

fT[]fo[], ©, ç—v<[], ³, ê, ½ PAP ^ÈŠO, ì”F[]Ø, ðŽg, x[]Ú’±, ð<-‰oÂ, μ, Ü, ·[]B
, ±, ìfìfvfVf#f“, í[]AMicrosoft []» , Â, í, È, çfT[]fo[], ðCEÄ, Ñ[]o, ·, Æ, «, É[]AfpfXf[]fh, ²’É[]M‰oñ[]ü[]ã, ðfNfŠfA
fefLfXfg, ìCE` , Â“`—, ³, ê, Ä, í[]ç, é[]é[]‡, É•Ö—~ , Â, ·[]B

MS-CHAP ,ì" F∅,đŽg,ꝛÚ'±,ì,Ý,đ<-‰Á,μ,Û,·B

,±,ìfìfvfVf#f",íAMicrosoft »),ìfT[fó[.đĀÄ,Ño,·ê#É•Ö—~ ,Á,·B,±

,ìfìfvfVf#f",đ'ì'đ,·,é,ÆAf[f^,ì^Á+‰»),đs,ꝛ,æ,ꝛŽw'è,μ,½,èAf_fCf,,f<fAfbfv flfbfgf[fN,đ
‰ô,μ,½pfXf[fh,ì·íX,³fTf[f,³,é,é,æ,ꝛŽw'è,·,é,±,Æ,à,Á,«,Û,·B

%oňü,ðEo—R,μ,Ä'—M,³,ê,éff[f^,í,;,x,Ä^Ä+%%»³,ê,Ü,·B,±,ìfìfvfVf#f“,íAWindows NT Version 3.5
^Ê~,ì RAS fRf“fsf...[f^,Ä,ì,Ý—~—p,Ä,«,Ü,·BWindows NT RAS ,Ä,íAfff[f^,ì^Ä+%%»³,í RSA Data
Security Incorporated ŽĐ,ì RC4 fAf:fSfŠfYf€,ðŽg,Ä,Ä'ň<Ý³,ê,Ü,·B
,±,ìf`fFfbfN f{fbfNfX,ðfìf“,É,·,é,ÆA^Ä+%%»³,ê,Ä,ç,È,çÚ'±,íØ'f³,ê,Ü,·B

, ±, ìfìfvfVf#f“, íAŽ©‘î, ìRf“fsf... [f^, ðAflftfBfX, ìfìfbfgf [fN, ÉÚ‘ ±
, ³, è, ½ [fNfXfe [fVf#f“, ì‘ ä, í, è, Æ, µ, ÄŽg, ¼ ê [f, ÉÅ“K, ÈfìfvfVf#f“, Å, ·B, ±, ìf`fFfbfN
f{fbfNfX, ðfìf“, É, ·, é, Æ [A**Ctrl + Alt + Del** fL [ð%Ÿ, µ, Äf [Ofìf“, ·, é, Æ, «, É“ü—í, ·, éfAjjfEf“fg [î·ñ, ³ RAS
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, Æ, µ, ½, Æ, «, É, à [A [f [Ofìf, µ, Ä, ©, çf [Ofìf“, ·, é·K—v, ², È, È, è, Ü, ·B

^È'O,±,ìfGf"fgfŠ,Éj_fCf,,f<,μ,½,Æ,«,É□Aft□[fU□[-¼□AfpfXf□□[fh□A,¨,æ,Ñfhf□fCf",ð"ü—í,·,é,æ,π
,É<□,β,éf_fCfAf□fO f{fbfNfX,ÅfpfXf□□[fh,ð•Ù'¶,·,éf`fFfbfN f{fbfNfX,ðfjf",É,μ,½□ê□‡,É□A,±
,ìf{f^f",ðfNfŠfbfN,·,é,Æ□A•Ù'¶,³,ê,½fpfXf□□[fh,ð□Á<Ž,Å,«,Ü,·□B

f_fCf,,f<□æ,ì X.25 flfbfgf□□[fN,ì-¼'O,ð'i,Ñ,Ü,·□B

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X.25 fvf□fofCf_ , © , ç — v < □ , ³ , ê , é , » , ì ' ¼ , ì < @ " \ f p f % o f □ □ [f ^ , ð " ü — í , μ , Ü , · □ B , ½ , Æ , ¡ , Ì □ A / R , Æ " ü — í , · , é , Æ ' ... □ M ' x
, É — z < à , ð □ z < □ , · , é , æ , x , É Ž w ' è , Å , « , é < @ " \ , ð f T f | □ [f g , μ , Ä , ç , é f v f □ f o f C f _ , à , , è , Ü , · □ B □ Ú □ x , É , Â , ç , Ä , Í □ A X . 2 5
, ì } f j f ... f A f < , ð Ž Q □ Æ , · , é , © □ A , Ü , ½ , Ì f v f □ f o f C f _ , É — â , ç □ ‡ , í , ¹ , Ä , , ¾ , ³ , ç □ B

,±,ìf`fFfbfN f{fbfNfX,đflf“,É,·,é,Æ□Af_fCf,,f<,·,é“d~b”Ô□t,³ [f_fCf,,f<fAfbfv flfbfgf□□[fN] fEfBf“fhfE,É•\
Ž!,³,è□Af_fCf,,f<Žž,É•Ò□W,Å,«,,é,æ,ɀ,É,È,è,Û,·□B

,±,ìf`fFfbfN f{fbfNfX,đflft,É,·,é,Æ□A□Ú'±□^—□,ìŠÔ,ÉfjfbfvfAfbfv•\Ž!,³,è,éf_fCf,,f<□ó'Ô,đŽ!,·f_fCfA□fO
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,±,ìf`fFfbfN f{fbfNfX,ðflf“ ,É,·,é,Æ□AWindows NT ,Éf□fOfCf“ Žž,É [f_fCf,,f<fAfbfv
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,±,ìf`fFfbfN f{fbfNfX,ðfif“,É,·,é,Æ□A□V,μ,ç“d~b’ ,ìfGf“fgfŠ
fEfBfU□[fh,ðŽg,Á,Ä□V,μ,ç“d~b’ fGf“fgfŠ,ðì□¬,Å,«,é,æ,α,É,È,è,Ü,·□B

,±,ìf`fFfbfN f{fbfNfX,ðflf“,É,·,é,Æ□A□Ú‘±,ž“@““l,ÉŠm—š,³,è,é‘O,ÉŠm”F,ð<□,β,ç,è,Û,·□B,±,ì<@”\
,Í□A,·,×,Ä,ìfl□[fgf_fCf,·f<□Ú‘±,ð’Ç□Ö,μ□A,½,Æ,ì,Î□A”i—p,ì,©,©,é ISDN %œñ□ü,žg,í,è,Ä,ç,é,±
,Æ,³,í,©,Á,Ä,ç,é□é□‡,É•Ö—~,Å,·□B
,±,ìflfvfVf‡f“,ð—LÆø,É,·,é,É,Í□ARemote Access Autodial Manager fT□[frfX,ðŠ]Žn,μ,Ä,ç
,È,¯,è,Î,È,è,Û,¹,ñ□B

RAS ,lfi[fgf_fCf,,f<<@”\,đ—LCEø,É,·,éŠŸ’n,đ,·,x,Ä‘l’đ,μ,Ü,·B

RAS ,lfi[fgf_fCf,,f<,íAflfbfgf[fN fAfhfCEfX,đ“d~b’ fGf“fgfŠ,ÉŠÖ~A•t,~A,» ,lî•ñ,đ•ÚŽç,·,é,± ,Æ,É,æ,èA,» ,lflfbfgf[fN fAfhfCEfX,âfAfvfŠfP[fVf#f“ ,âfRf}f“fh f%ofCf“ ,© ,çŽQÆ,³,ê,½,Æ,« ,ÉAí %ž,·,éfGf“fgfŠ,žŽ©“@“l,Éf_fCf,,f<,³,ê,é,æ,x,É,μ,Ü,·BfGf“fgfŠ,ÉŠÖ~A•t,·,éflfbfgf[fN fAfhfCEfX,íAfCf“f^ [flfbfg,lfzfXfg-¼AIP fAfhfCEfXANetBIOS ,lft[fo[-¼,ì,ç,,é,Å,à,©,Ü,ç,Ü,¹,ñB ,±,lfifvfVf#f“ ,đ—LCEø,É,·,é,É,íARemote Access Autodial Manager fT[fxfX,đŠ]Žn,μ,Ä,ç ,È,·,é,î,È,è,Ü,¹,ñB

uRAS fl[fgf_fCf,,f<,lŠT—v,đŽQÆ,μ,Ä,,¾,³,çB

Ž©“@fŠf_fCf,,f<,l%oň□”,đŽw'è,μ,Û,·□BŽ©“@fŠf_fCf,,f<,μ,È,ϕ,æ,ϣ,É,·,é,É,í 0 ,đŽw'è,μ,Û,·□B

Ž©“@fŠf_fCf,,f<,đ□s,α,Û,Å,ì'Ò,¿ŽžŠÔ,đ•b'P^Ê,Åžw'è,μ,Û,·□BfŠf,□[fg fffofCfX,lfŠfZfbfg,É•K—
v,ÈŽžŠÔ,đSm•Û,Å,«,é,¾, -,ìŽžŠÔ,đžw'è,μ,Û,·□B

%½,à^—□,³s,í,ê,È,ç□ó'Ô,ì,Æ,«,É□Ú'±,ð□Ø'f,·,é,Û,Ä,ìŽžŠÔ,ð•b'P^Ê,ÄŽw'è,μ,Û,·□B
,½,¾,μ□Af_fCf,,f<fAfbfv fT□[fo□[,ì•ù,É,à□Ú'±,ð□Ø'f,·,é^fCf}□[,³Y'è,³,è,Ä,ç,Û,·□B,±,ì,½,ß□A,±,±
,É'â,«,çf^fCf€fAfEfg'l,ð□Y'è,μ,Ä,ç,½,Æ,μ,Ä,à□A,»,ìŽžŠÔ,³CEo%°ß,·,é,Û,Ä,í□Ú'±,³□Ø'f,³,è,È,ç,Æ,ç
,x•Û□Ø,í,·,è,Û,¹,ñ□B,±,±,É□Y'è,μ,½ŽžŠÔ,³CEo%°ß,·,é'O,É□AfT□[fo□[,ì•ù,Äf^fCf€fAfEfg,³"-
□¶,μ□AfT□[fo□[,©,ç□Ú'±,³□Ø'f,³,è,é%°Ä"□«,à,·,é,©,ç,Ä,·□B
,±,ìfìfvfvf#f",ð—LCEø,É,·,é,É,í□ARemote Access Autodial Manager fT□[frfX,ðŠ]Žn,μ,Ä,ç
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f_fCf,,f:fAfbfv fT[]fo[], ©,cfR[]f<fofbfN,³,ê,È,ç,æ,α,É,·,é[]ê[]#,í[]A,±,ì|fvfvf#f“,ð'í'ð,μ,Ä,,¾,¾,ç[]B

Ú±^—'t,Éf_fCf,,f<fAfbfv fT[]fo[], ©,çfR[]f<fofbfN,·,é,©,Ç,κ,©,ð<[],β,ç,ê,é,æ,κ,É,·,éê[]‡,Í[]A,±
,ìfjvfVf‡“,ð'l'ð,μ,Ä,,¾,¾,ç[]B

f_fCf,,f<fAfbfv fT[fO[,©,çfR[f<fofbfN,³,è,é,æ,æ,É,·,éèè±,íA,±,ìfìfvfVf#f“ ,ð'ì'ð,μ,Ä,,³/4,³,çB,± ,ìfìfvfVf#f“ ,ð'ì'ð,μ,½èè±,íAŠe'·'u—p,ì“d~b”Ôt,ðŽw'è,μ,È,·,è,ì,È,è,Û,¹,ñB

,±,ìfìfvfVf#f“ ,íA,³,Û,·,Û,Èèè±Š,©,çfT[fO[,ðCEÄ,Ño,·fŠf, [fg ft[fU[,É,Æ,Á,Ä•Ö—~ ,Ä,·B,½,¾,μA,± ,è,ìZfLf...fŠfefB<@“\,Ä,í, ,è,Û,¹,ñB“d~b”Ôt,ì^Û,È,é,³,Û,·,Û,Èèè±ŠÝ'n,©,çfT[fO[,ðCEÄ,Ño,·fNf %ofCfAf“fg,É,íAìfR[f<fofbfN,ì'É'm,ðŽó,·,Ä,©,çCE^ ,ß,é] ,ð'ì'ð,μ,Ä,,³/4,³,çBft[fU[,ìCEÄ,Ño,μ,³fŠf, [fg fAfNfZfX fT[fO[,Á'...M,³,è,é,ÆAZŽÿ,ì,æ,æ,È^—,³s,í,è,Û,·B

1 ,Û,·,AfT[fO[,³AfT[fU[-¼,ÆfpfXf[fh,³,μ,ç,©,Ç,æ,©,ð”»'f,μ,Û,·B

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3 ft[fU[,íA,±,ìf_fCfAf[fO f{fbfNfX,ÉCE»Ý,ìfR[f<fofbfN”Ôt,ð“ü—í,μAfT[fO[,³CEÄ,Ño,μ,Ä,- ,è,é,ì,ð'Ò,ç,Û,·B

,±,ìfìfvfVf#f“ ,ð'ì'ð,·,é,ÆA,³,Û,·,Û,Èèè±ŠÝ'n,©,çfT[fO[,ðCEÄ,Ño,·ft[fU[(ŠO%ñ,è,ì%oc<Æ'S“- ,È,Ç) ,É,©,©,é“d~b—ç<à,ðÅ—CEÄ,É—},ì,é,±,Æ,³,Ä,«,·B

fR[f<fofbfN,ÉŽg,í,ê,é'•'u,ď'l'ď,μA[•ÒW] ,ďfNfŠfbfN,μ,Ä“d~b”Ô†,ď“ü—í,μ,Û,·B

f_fCf,,f<fAfbfv fT[]fo[][,±,̀)Nf%ofCfAf“fg,ÉfR[]f<fofbfN,·,é,Æ,«,ÉŽg,α“d~b”Ô[]t,ð“ü—
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'l'đ,μ,½'•'u,đfR□[f<fofbfN^ê—,©,ç□í□œ,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

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ŽŸ,lfjvfVf#f“,íA[f_Cf,,f<fAfbfv flfbfgf□□[fN] fEfBf“fhfE,Å,ìŠù`è,ì“d~b’ ,đ‘l’đ,·,é,Æ,«,ÉŽg,č,Ü,·□B

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,±,ìfìfvfVf††“,đ‘l’đ,;é,Æ□ACEÂ□|—p“d~b’ ,žg,í,ê,Û,·□BCEÂ□|—p“d~b’ ,í□A•ÛCEì,³,ê,Ä,ç
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□B

^ê—,©,ç“d~b’ ,đ’l’đ,·,é,©A,Ü,½,íŽg—p,·,é“d~b’ ,ì-¼’O,đŠ®‘S,ĚpfX,đ•t, ,Ä“ü—í,μ,Ü,·B
“d~b’ ,đĚÿö,·,é,É,íA[ŽQÆ] ,đfNfŠfbfN,μ,Ü,·B

,±,lfRf“fsf...[f^ã,ì“d~b’ ,ðŒÿö,μ,½,èA,Ù,©,lfRf“fsf...[f^ã,ì“d~b’ ,ì^è—
,ðŒ©,½,è,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

,±,lf`fFfbfN f{fbfNfX,ðfif“,É,·,é,Æ□A%oñü,ì□ó’Ô,É%ož,¶,Ä’l’ð,μ,½%oñü,ìŽí—p,©,ç’á,ç•iŽž,ì%oñüŽí—
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’□ ISDN fj□[fh,É,æ,Á,Ä,í□A[%oñüŽí—p,lfSfVfG□[fVf†f“] f`fFfbfN f{fbfNfX,àfif“,É,È,Á,Ä,ç,é,Æ□A
%oñü,ìŽí—p,Æf`fffif<,i□“,ì—¼•ù,É,Á,ç,ÄfSfVfG□[fVf†f“,à□s,í,è,Ü,·□B,Á,Ü,è□A•iŽž,ì□,,ç%oñüŽí
—p ([64K fffWf^f<]) ,©,ç•iŽž,ì’á,ç%oñüŽí—p ([56K %o¹□²])
,Ö,lfSfVfG□[fVf†f“,à□s,í,è,é,¾,¯,Ä,È,□A•i□“,lf`fffif<,©,ç•K—v,É%ož,¶,Ä,æ,è□-
,È,çf`fffif<□“,Ö,lfSfVfG□[fVf†f“,à□s,í,è,Ü,·□B

f_fCf,,f<fCf“ ,·,é□æ,lfT□[fo□[,ª,» ,lf□□[f]□□[CEÅ—L,lfvf□fgfRf<,μ,©fTf]□[fg,μ,Ä,ç,È,ç□ê□‡,Í□A,±,lf`fFfbfN
f{fbfNfX,ðf|f“ ,É,μ,Ü,·□B,½,Æ,¡,Í□AfT□[fo□[,ÆfNf%ofCfAf“ fg,ì—¼•û,Å DigiBoard ŽĐ,ì•‘u,ðŽg,Á,Ä,ç
,é□ê□‡,È,Ç,ªŠY“ -,μ,Ü,·□B

•;□“,ì ISDN %oñ□ü,ð%oî,μ,Äf}f<f`fŠf“fN,ðŽg,κ□ê□‡,Í□A,±,lf`fFfbfN f{fbfNfX,lf|ft,É,μ,Ä,-
,¾,³,ç□Bf}f<f`fŠf“fN,Á,Í□AfT□[fo□[,Ä,àfNf%ofCfAf“ fg,Ä,àf□□[f]□□[CEÅ—L,lfvf□fgfRf<,Í•K—v, ,è,Ü,¹,ñ□B

,±,lf`fFfbfN f{fbfNfX,ðflf",É,·,é,Æ□Afff□f^,²'—□M'O,É^³□k,³,ê,Ü,·□Bfn□[fhfEfffA^³□k,ð—
LCEø,É,·,é□ê□‡,í□AfvftfgfEfffA^³□k,íflft,É,μ,Ä,,³/4,³,ç□B

'□ fn□[fhfEfffA^³□k,í□A,·,x,Ä,ì ISDN fj□[fh,Ä'ñ<ÿ,³,ê,Ä,ç,é,í,¯,Ä,í, ,è,Ü,¹,ñ□B,±,lf`fFfbfN
f{fbfNfX,ðflf",É,μ,Ä,à□AfvftfgfEfffA^³□k<@"\,ð'ñ<ÿ,μ,Ä,ç
,É,¯,ê,í□Afff□f^,ífxf<□[fvfbfg,íCëü□ä,μ,Ü,¹,ñ□BŽg—p,μ,Ä,ç,éj□[fh,É^³□k<@"\,³•t,ç,Ä,ç,é,©,Ç,π
,©,³,í,©,ç,É,ç□ê□‡,í□AfvftfgfEfffA^³□k,íflft,É,μ,Ä,,³/4,³,ç□B

Žg—p,μ,Ä,ç,éfj□[fh,ª•j□",ì ISDN f`fffflç,ð'©,Ë,ÄŽg,κ<@“\,ð'ñ<ÿ,μ,Ä,“,è□AfŠf,□[fg fAfNfZfX fT□[fo□[.ì
ISDN fj□[fh,àf`fffflç,ð'©,Ë,ÄŽg—p,Ä,«,é,æ,κ,É□□¬,³,ê,Ä,ç
,é□ê□‡,í□A•j□",ìf`fffflç,ð'ì'ð,μ,ÄfXf<□[fvfbfg,ðCEü□ã,·,é,±,Æ,ª,Ä,«,Ü,·□B□ufGf“fgfŠ,ì'Ç
‰Á□A•Ö□W□A•j□»,ð□s,κ□v,ì□uISDN ,ì“d~b”Ô□†□v,ðŽQ□Æ,μ,Ä,,¾,³,ç□B

ISDN fhf%ofCfo,É,æ,Á,Ä,í□A'©,Ë,éf`fffflç,ì□",ð□\$CEÀ,Ä,«,È,ç□ê□‡,à, ,è,Ü,·□Bf`fffflç□",ð□\$CEÀ,Ä,«,È,çfhf
%ofCfo,ðŽg,Á,Ä,ç,éfRf“fsf...□[f^,ð'...□M—p,É□□¬,μ,Ä,ç,é□ê□‡,í□Af`fffflç□",ìŽw'è,ð 2 ^È‰º,É,·,é,æ,κ
,É□Af_fCf,,f<fCf“,·,éfNf%ofCfAf“fg,ÉŽwŽ!,μ,Ä,,¾,³,ç□B,»,κ,μ,È,ç,Æ□A•j□",ì ISDN
fj□[fh,ðfCf“fXfg□[f<,μ,½fvfXfef€,ðŽg,Á,Ä,ç,é†□[fU□[.ª□AfT□[fo□[.ìf`fffflç,ð,·,×,Ä“Æ□è,μ,Ä,μ,Ü,κ‰Á“\
□«,ª, ,è,Ü,·□B

'□ Žg—p,μ,Ä,ç,é ISDN fj□[fh,Ä—~—p‰Á“\,È□",æ,è'½,çf`fffflç□",Ä□Ú'±,ðŠm—š,·,é,±
,Æ,í,Ä,«,Ü,¹,ñ□BŽÀ□Ú,É□A—~—p‰Á“\,Éf`fffflç,ì□Á'â□",ð'·,ì,é□",ðŽw'è,·,é,Æ□A,Ü,Ä,½,□Ú'±
,Ä,«,È,ç‰Á“\□«,à, ,è,Ü,·□B

fCf“fXfg[f<,³,ê,Ä,ç,é,fff€,ª•\Ž!,³,ê,Ü,·□B

'□ f,fff€,đ•İ□X,μ,½,è□A□V,μ,çf,fff€,đfCf“fXfg[f<,μ,½,è,·,é,É,Í□Afrf“fgf□□[f< fpf]f<,ì [flfbfgf□□[fN] fAfCfRf“,đf_fuf<fNfŠfbfN,μ,Ü,·□B[fT□[frfX] f^fu,Â□A[fŠf,□[fg fAfNfZfX fT□[frfX] ,đ'!đ,μ□AŽŸ,É [fvf□fpfefB] ,đfNfŠfbfN,μ,Ü,·□B□Ú□x,É,Ä,ç,Ä,Í□A,±,İf_fCfAf□fO f{fbfNfX,İfif“f%ofCf“ fwf<fv,đŽQ□Æ,μ,Ä,,¾,³,ç□B

f,ff€,afŠf,[]fg fAfNfZfX fT[]fo[],lf,ff€,Æ,ìfSfVfG[]fVf+f“,đŠ)Žn,·,é,Æ,«,ì bps (frfbfg/•b)
'P^Ê,ì'Ê□M'¬“x,đ'l'đ,μ,Û,·□B'Ê□M'¬“x,í□AfSfVfG[]fVf+f“,ì%oß'ö,Å□ã,ª,Á,½,è%ooª,ª,Á,½,è,·,é,±,Æ,à, ,è,
Û,·□B

Žg—p,μ,Ä,ç,éj,ff€,ÅfTf|□[fg,³,ê,Ä,ç,È,çfn□[fhfEjFfA<@“\,ð‘ð,μ,Ä,àpftfH□[f}f“fX,É,í%½,ì%e<ξ,à, ,è,Û
,¹,ñ□B

,±,ìf`fFfbfN f{fbfNfX,ðfif“ ,É,·,é,Æ□Afn□[fhfEfffA,É,æ,éfnf“fhfVffCfN,ª—LCEø,É,È,è,Û,·□B,±,ì<@”\
,É,æ,è□Aff□[f^,ª,ç,Á,İ,ç,É,È,Á,Ä%ñ□ü,Éff□[f^,ð’—□M,Å,«,,È,Á,½,Æ,«,,â□A<t,É’—□M%oÅ”\
,É,È,Á,½,Æ,«,,É□Af,fff€,ªfŠf,□[fg fAfNfZfX fVftfgfEfffA,É”` ,ì,é,±,Æ,ª,Å,«,,é,æ,ª,É,È,è,Û,·□B,±
,ê,É,æ,è□AfŠf,□[fg fAfNfZfX fVftfgfEfffA,í□A•K—v,É%ož,¶,Ä^èŽž”l,Éff□[f^,ì”]’—
,ð’+Ž~,Å,«,,Û,·□Bfnf“fhfVffCfN,í□Aff□[f^,ì”`—,ð□‡—□%o»,μ□AfI□[fo□[f%of“ fGf%o□[,ì”□¶,ð-
h,®,½,β□ACE<%oÊ”l,Éff□[f^“]’—,ì’S’ì”l,ÈfXf<□[fvfbfg,ªCEü□ă,μ,Û,·□B

ff[f^ fuffbfN,lfGf%o[δ,,%oñç'·CEŸ, (CRC) ,É,æ,Á,Ä'²,x,Ü,·Bf,ff€É,æ,éfGf%o[[]\$CEä,ð—
LCEø,É,·,é,ÆAf,ff€í³,μ,"]—,³,ê,È,©,Á,½ff[f^,ðÄ"]—,μ,Ü,·B,μ,½,³,Á,ÄAf,ff€ŠÔ,Ä,lfGf%o[,"-
[]μ,Ü,¹,ñBÚ×,É,Â,ç,Ä,ÍAMNP4v, ",æ,ÑV.42v,ðŽQÆ,μ,Ä,,³/₄,³,çB

,±,lf fFbfN f{fbfNfX,ðfif“,É,·,é,Æ□Af,fff€ŠÔ,Ā‘—Žó□M,³,é,éff□[f^,ª³□k,³,é,Ā□A“]’—
,³,é,éff□[f^,lf ofCf g□”,ª□,È,,È,è,Û,·□B,±,ìĀ<%oĒ□A“]’—ŽžŠÔ,ð‘Z□k,μ,Û,·□B,Ç,ì‘ö“x’Z□k,³,é,é,©,í□A“]’—
,³,é,éff□[f^,ì□ç‘“x,É,æ,Ā,ĀĀĀ^,Û,è,Û,·□B

‘□ f,fff€,æ,è,àfRf“fsf...□[f^,ì•û,ª—~—p%oĀ“\,Èf pf^□[f“ fofbftf@,ª,í,é,©,É‘â,«,ç
,½,β□Afn□[fhfE fFfA^³□k,æ,è,à\ftfgfE fFfA^³□k,ì•û,ªĀø—!‘Ā,·□B,Û,½□Af,fff€,ì^³□k<@“\,ðŽg,κ
,Æ□Af,fff€,í□A“à•”,lf pf^□[f“ fofbftf@,ð-,,β,é,¾,̄,ì—È,iff□[f^,ªfRf“fsf...□[f^,©,çf,fff€,Ö“]’—
,³,é,é,Û,Ā□Ā□%o,ì“]’—,ð□s,í,,□A‘x%o,,,ª”□¶,μ,Û,·□B\ftfgfE fFfA^³□k,Ā,í□A^³□k,ì,½,β,iff□[f^“]’—
,lfRf“fsf...□[f^,Æf□f,fs̄,ìŠÔ,Ā□s,í,è,Û,·,ª□A,±,ì‘—“x,lfRf“fsf...□[f^,Æf,fff€
,ìŠÔ,Ā,ì“]’—‘—“x,æ,è,,Ā,Æ□,‘—,Ā,·□B,³,ç,É□A\ftfgfE fFfA^³□k,Ā,í□Af,fff€,Æf,fff€
,ìŠÔ,lfZfOf□f“fg,¾,̄,Ā,í,È,□AfRf“fsf...□[f^ŠÔ,lfŠf“fN‘S‘ì,ð^³□k,³,é,½ff□[f^,ª“]’—,³,é,é,±
,Æ,É,È,è,Û,·□B

^ê”É,É□AŠÛ,É^³□k,³,é,Ā,ç,éff□[f^,ð^³□k,μ,Ā,à□A^³□k—!,ª□,,Û,é,±,Æ,í,,è,Û,¹,ñ□B,μ,½,ª,Ā,Ā□Af,fff€
,ì^³□k<@“\,Æf\ftfgfE fFfA^³□k,ð”~Žž,ÉŽg—p,·,x,«,Ā,í,,è,Û,¹,ñ□BŽĀ□Û,É□Af,fff€,ªŽg,xfAf<fSfŠfYf€
,É,æ,Ā,Ā,í□A—¼•û,ì^³□k,ð□s,κ,Æ□A“]’—,³,é,éff□[f^,lfTfCfY,ª‘â,«,,È,é□é□‡,à,,è,Û,·□B

f_fCf,,f<Žž,É□AfXfNfŠfVfG%»»,³,ê,½fRf}}f“fh,ðŽÀ□s,·,é‘ă,í,è,É AT fRf}}f“fh,ðŽè“ @,Åf,fff€,É“ü—
Í,·,é□ê□‡,Í□A,±,ìf fFfbfN f{fbfNfX,ðflf“,É,μ,Ü,·□B,±,ì<@“\,Í□Af,fff€,ìfXfNfŠfVfG ftj@fCf< (MODEM.INF)
,É□V,μ,čfGf“fgfŠ,ð□ì□—,·,é,Æ,«,É□AfXfNfŠfVfG,É<L□q,·,é•¶Žš—ň,ðfefXfg,·,é□ê□‡,É—~—
p,Å,«,Ü,·□B,Ü,½□A□Ú‘±□^—□,ì“r’t,Åft□□fU□[“ü—Í,^a•K—v,Æ,È,é,æ,α,È—áŠO“l,È□ê□‡,É,à□A,±,ì<@“\,ð—
—p,Å,«,Ü,·□B
^è”Ê,É□A□IŠÖ,ìfìfyf□□f^,^í%ž,·,é□ēš·,ð’Ê,¶,Ä□Ú‘±,·,é,Æ,«,È,Ç,ì,æ,α
,É□A“d~b<@,ðŽžg,Á,Ä_fCf,,f<·,·,é□ê□‡,Í□A,±,ì<@“\,ðŽžg,í,È,č,Å,,³/₄,³,č□B

,±,ìf`fFfbfN f{fbfNfX,ðfif“ ,É,·,é,Æ□Af,ff€,ìf_fCf,,f< fg□[f“ ,â□Ú'±%o¹,a•.,±,!,È,,È,è,Ü,·□B

, ±, ìfAjjfEf“fg, ì Windows NT fhf□fCf“ fpfXf□□[fh, íŠúÆÀ, æ∅, ê, Ä, ç, Ü, ·□B□i, ·, ® fpfXf□□[fh, ð, ±, ìf_fCfAf□fO
f{fbfNfx, É“ü—í, μ, Ä□A•ĩ□X, μ, Ä,, ¾, ¾, ç□B
fpfXf□□[fh, í□A’â•¶Žš, Æ□¬•¶Žš, æ<æ•Ê, ¾, ê, Ü, ·□B□V, μ, ç fpfXf□□[fh, ð“ü—
í, ·, é, Æ, «, í□A’â•¶Žš, Æ□¬•¶Žš, Ì, Ç, ÿ, ç, ðŽg, Ä, ½, ©, ðŠo, ¡, Ä, ¨, ç, Ä,, ¾, ¾, ç□B

CE»Ÿ,lfpfXf[]fh,ð“ü—í,μ,Û,·B

□V,μ,ϕpfXf□□[fh,δ“ü—í,μ,Ü,·□B

Šm" F, ì, ½, ß, É □ A □ V, μ, ç f p f X f □ □ [f h, ð, à, æ ^ ê " x " ü — í, μ, Ü, · □ B

f_fCf,,f<fAfbfv fT□[fo□[.í□A'É~b—¿<à,đfT□[fo□['x,Å•%o'S,;,é,È,Ç-Ú“l,É%ož,¶,Ä•Ö—~,ÉŽg—p,Å,«,é,æ,x
,É□AfNf%ofCfAf“fg,Žw'è,μ,½”Ô□t,ÅfR□[f<fofbfN,·,é,æ,x,É□□¬,³,ê,Ä,ç,Ü,·□B
fR□[f<fofbfN”Ô□t,ìŽw'è,í□AŽ©“®%o»,Å,«,Ü,·□B,±,ê,đ□s,x,É,í□A[„,ì'¼] ,đfNfŠfbfN,μ,Ä [ft□[fU□[□Y'è]
,đfNfŠfbfN,μ□AŽŸ,É [fR□[f<fofbfN] f^fu,ìfivfVf†f“,đ'l'đ,μ,Ü,·□B

fŠf.□[fg fAfNfZfX fT□[fo□[, ©, ç, ìfR□[f<fofbfN, ÉŽg, x"Ô□†, ð"ü—í, μ, Ü, ·□B

f,fff€ (Ü,½,í,»,'¼,ìÚ'±'•'u) ,©,çfGf%o[,'a•Ô,³,ê,Ü,μ,½BfTf|f[fg,³,ê,Ä,ç,éf,fff€,ðŽg,Á,Ä,ç
,éê±,íA^ê“xf,fff€,ì“dCE¹,ð∅,Á,Ä“dCE¹,ð“ü,ê'¼,μ,Ä,,¾,¾,çB,Ü,½AfŠf,f[fg fAfNfZfX fT[frfX,ð|—
¹,μAÄ<N“@,μ,Ä,©,çAf_fCf,,f<,μ'¼,μ,Ä,,¾,¾,çB
fŠf,f[fg fAfNfZfX,ÄfTf|f[fg,³,ê,Ä,ç,È,çf,fff€,ðŽg,Á,Ä,ç,éê±,íAf,fff€,ì»'çCE³,É-â,ç±,í,¹,Ä,-
,¾,¾,çB,Ç,ìf,fff€,³fTf|f[fg,³,ê,Ä,ç,é,©,É,Ä,ç,Ä,íA wWindows NT
fn[fhfEjFfACEÝŠ·«fŠfXfgx,ðŽQÆ,μ,Ä,,¾,¾,çB
f,fff€,³fŠf,f[fg fAfNfZfX—p,É³,μ,∅¬,³,ê,Ä,ç,é,±,Æ,ðŠm”F,μ,Ä,,¾,¾,çB∅¬,ðŠm”F,·,é•û-@,É,Ä,ç
,Ä,íA uf_fCf,,f<fAfbfv flfbfgf[fN,ðÄ∅¬,·,é∅v,ðŽQÆ,μ,Ä,,¾,¾,çB

fŠf_fCf,,f<,:é,Ü,Å,ì•b□”,øffEf“fgf_fEf“,μ,Ü,·□BfŠf_fCf,,f<,í□A[ft□[fU□[□Ý’è] f_fCfA□fO f{fbfNfX,ì [f_fCf,,f<]
f^fu,Å,ì□Ý’è,ÉŠî,Ã,ç,Ä□s,í,ê,Ü,·□B

,±,lfGf"fgfŠ,ĂŽg,α,æ,α,É'í'ð,³,è,Ä,ç,éfvf[]fgfRf<,ì,α,¿[]A[],È,,Æ,à 1 ,Ă,ª[]Ú'±,ÉŽ, "s,μ,Û,μ,½[]B
[Žó,~"ü,è,é] ,ðfNfŠfbfN,·,é,Æ[]A·\Ž!,³,è,Ä,ç,éfvf[]fgfRf<,ðŽg,Á,Ă[]Ú'±,³,è,Û,·[]B
f`fFfbfN f{fbfNfX,ðfjf",É,·,é,Æ[]AŽŸ%ñf_fCf,,f<,μ,½,Æ,«,É,à[]A[];%ñ,lf_fCf,,f<,Ă[]Ú'±
³,è,½fvf[]fgfRf<,¾,~,ªŽg,í,è,Û,·[]B,±,lf`fFfbfN
f{fbfNfX,ðfjf",É,μ,È,ç[]è[]#,í[]AfGf"fgfŠ,ÉŽg,α[]Ú'±fvf[]fgfRf<,ðf_fCf,,f<fAfbfv flfbfgf[][]fN,©,ç•ï[]X,μ,Ä,-
,¾,³,ç[]B,±,è,ð[]s,α,É,í[]Af_fCf,,f<fAfbfv flfbfgf[][]fN,ĂfGf"fgfŠ,ð'í'ð,μ[]A[,»,í'¼]
,ðfNfŠfbfN,μ,Û,·[]BŽŸ,É[]A[fGf"fgfŠ,Æf`fff€,lfvf[]pfefB,ì•Ö[]W] ,ðfNfŠfbfN,μ[]A[fT[]fo[][] f^fu,Ă[]A[]Ú'±
,ÉŽg,αflfbfgf[][]fN fv[]fgfRf<,ð'í'ð,μ,Û,·[]B

•\Ž! ,³ ,ê,Ä,ç,éfvf□fgfRf<,đŽg,Á,Ä□Ú'±,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

□Ú'±,đ□Ø'f,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

, ±, ìf`fFfbfN f{fbfNfX, ðflf“ ,É, ·, é, Æ□AŽŸ%oňf_fCf,,f<, μ, ½, Æ, «, É□A□i%oň, ìf_fCf,,f<, Å□Ú' ±

,³, ê, ½fvf□fgfRf<, ¾, ¯, aŽg, í, ê, Û, ·□B
fGf“fgfŠ, ÉŽg, ▣□Ú' ±fvf□fgfRf<, ð•ï□X, ·, é, É, í□Af_fCf,,f<fAfbfv flfbfgf□□[fN, ÅfGf“fgfŠ, ð'l'ð, μ□A[, »], ì'¼]
, ðNfŠfbfN, μ, Û, ·□BŽŸ, É□A[fGf“fgfŠ, Æf, fff€, ìfvf□fpfefB, ì•Ö□W] , ðNfŠfbfN, μ□A[fT□[fo□[] f^fu, Å□A□Ú' ±
, ÉŽg, ▣flfbfgf□□[fN fvf□fgfRf<, ð'l'ð, μ, Û, ·□B

f_fCf,,f:fAfbfv flfbfgf[]fN,ì”F[]Ø,ÉŽg,í,è,éfAjjfEf”fg[]î•ň,í[]A’É[]í,í[]Aflfbfgf[]fN f[]fOfjf”—
p,ìfAjjfEf”fg[]î•ň,Æ”˘,¶,Å,·[]Bf_fCf,,f:fAfbfv flfbfgf[]fN,í[]A,±,è,ç,ìfAjjfEf”fg[]î•ň,ðŽg,Å,Ä[]AfNf
%ofCfAf”fg ft[]fU[][,ª•” —[]“l,Éflfbfgf[]fN,ÖfAfNfZfX,·,é[]E —˘,ðŽ[],Å,©,Ç,κ
,©,ð[]EÏ[],,μ,Ü,·[]B,½,¾,μ[]Af_fCf,,f:fAfbfv flfbfgf[]fN,íŽÀ[]Ù,ÉfŠf,[]fg
ft[]fU[][,ðf[]fOfjf” ,³,¹,é,í,˘,Å,Í, ,è,Ü,¹,ň[]B,±,ì,½,ß[]AfŠf,[]fg
ft[]fU[][,í[]A•Ù[]Eì,³,è,½flfbfgf[]fNŽ’[]E¹,ÉfAfNfZfX,·,é,É,í[]A,½,ç,Ä,ç,ì[]ê[]#[]A[]Ú’±,ªŠm—
š,³,è,½[]Eã,ÉŽ[]©•ª,Åf[]fOfjf” ,·,é•K—v,ª, ,è,Ü,· (Windows NT ,ì[]ê[]#,È,ç[]ACtrl + Alt + Del fL[][,ðŽg,ç
,Ü,·)[]B

fŠf,□[fg fAfNfZfX—p,ift□[fU□[-¼,đ“ü—í,μ,Ü,·□B

fŠf.□[fg fAfNfZfX—p,ìpfXf□□[fh,đ“ü—í,μ,Ü,·□B

Microsoft » , Å, í, È, ç, f, T, [fo, [, ð, Ç, Ä, Ñ, o, , µ, Ä, ç, é, ê, ð, ð, í, A, fh, f, C, f, " , ð, " ü — í, , , é • K — v, í, , è, Ü, ¹, ñ, B

Microsoft f, T, [fo, [, ð, Ç, Ä, Ñ, o, , µ, Ä, ç, é, ê, ð, ð, í, A, , ±, ±, Å " ü — í, , , é, fh, f, C, f, " - ¹/₄, í, A, Windows NT RAS

f, T, [fo, [, A, Ü, ¹/₂, Í, Ž, © • ð, í, f, C, f, , f, < f, A, f, b, f, v, f, l, f, b, f, g, f, [, [f, N, f, A, f, j, f, E, f, " f, g, , ð, ®, , µ, Ä, ç, é, Windows NT fh, f, C, f, " , í - ¹/₄, O, Å, È, , , è, í, È, è, Ü, ¹, ñ, B, , ±, é, í, A, P, P, P, f, v, f, [fo, f, C, f, , â, S, L, I, P, f, v, f, [fo, f, C, f, , ©, ç, Ž, æ " ³/₄, µ, ¹/₂ DNS fh, f, C, f, " - ¹/₄, Å, í, , è, Ü, ¹, ñ, B, ¹/₂, Æ, í, í, A, www.halcyon.com , Æ, ç, Å, ¹/₂ fh, f, C, f, " - ¹/₄, Å, í, È, A, A, c, c, o, u, n, t, i, n, g, , È, Ç, ì, fh, f, C, f, " - ¹/₄, Æ, È, è, Ü, , B, fh, f, C, f, " , , æ, Ñ, M — Š, Š, Ö, Ç, E, W, È, Å, ç, Ä, í, A, w, f, R, f, " f, Z, f, v, f, g, f, A, f, " f, h, f, v, f, % , o, f, " f, j, j, " f, O, f, K, f, C, f, h, x, ð, Ž, Q, Æ, µ, Ä, , ³/₄, ³, ç, B

MSN , É, Ú, ' ±, , , é, ê, ð, ð, í, A, [f, +, [f, U, [- ¹/₄] f {f, b, f, N, f, X, É, msn\username , Æ " ü — í, µ, A, [fh, f, C, f, "] f {f, b, f, N, f, X, É, í, % , o, ¹/₂, à " ü — í, µ, È, ç, Å, , ³/₄, ³, ç, B

,±,ìf`fFfbfN f{fbfNfX,ðfif“ ,É,·,é,Æ□A,±,ìfGf“fgfŠ,ìpfXf□□[fh,ª•Ù‘¶,³,ê,Û,·□BŽŸ%œñ,±
 ,ì“d~b’ fGf“fgfŠ,ðŽg,Á,Ä□Ú’±,·,é,Æ,«,©,ç,Í□A,±,ì”F□Øf_fCfA□f□O f{fbfNfX,Í•\Ž,³,ê,Û,¹,ñ□B
 ,±,ìf`fFfbfN f{fbfNfX,ðfif“ ,É,µ,Ä□Ú’±
 ,µ□ACEã,©,çfGf“fgfŠ,ìpfXf□□[fh,ð•Í□X,·,é□ê□‡,Í□A“d~b’ fGf“fgfŠ,ð•Ò□W,µ□A[fzfLf...fŠfefB] f^fu,Å
 [fpfXf□□[fh,ð•Ù‘¶,µ,È,ç] ,ðfNfŠfbfN,µ,È,¯,ê,Î,È,è,Û,¹,ñ□B

f_fCf,,f<fAfbfv flfbfgf□□[fN,ìfNf%ofCfAf“fg,í□AIP fAfhfCEfX,đŽ□,Á,Ä,č
,È,˘,ê,î,Ê,è,Û,ˆ,ñ□BfAfhfCEfX,af_fCf,,f<fAfbfv fT□[fo□[.É,æ,Á,ÄŽ©“@“l,ÉŠ,,è“-,-,Ä,ç,ê,é□ê□†,í□A,±
,ìfjfvfj†f“,đ‘l‘đ,μ,Û,·□B

f_fCf,,fAfbfv flfbfgf[]fN fNf%ofCfAf“fg,Æ,μ,Ä“Á’è,ì IP fAfhfCEfX,ª•K—v,Èéé±,íA,±
,ìfjvfVf±“ ,ð‘l’ð,μA•K—v,È IP fAfhfCEfX,ð“ü—í,μ,Ü,·B

•K—v,È IP fAfhfCEfX,ð“ü—í,μ,Û,·□Bf_fCf,,f<fAfbfv fT□[fo□[í□AfNf%ofCfAf“fg,ª“Á’è,ì IP fAfhfCEfX,ðŽg,±,±,Æ,ðfNf%ofCfAf“fg,É<-%oÂ,·,é,æ,±,É□\□¬,³,ê,Ä,ç,È,¯,ê,î,È,è,Û,¹,ñ□B

f_fCf,,f<fAfbfv flfbfgf[]fN fNf%ofCfAf“fg,í[]AfRf“fsf...[]f^,ªŽg,ª IP fAfhfĈfX,ð[]ŠÔ,ªŽg,ª,í,©,è,â,·,ç-
¼‘O,É•ĪŠ·,·,éfT[]fo[],đ•K—v,Æ,·,é[]ê[]‡,ª, ,è,Û,·[]B,½,Æ,¡,í[]A198.105.232.1 ,í[]Aft[]fU[],ª
ftp.microsoft.com ,Æ,ç,ª-¼‘O,ĀŽQ[]Æ,·,éfRf“fsf...[]f^,ì IP fAfhfĈfX,Ā,·[]B

DNS (Domain Name System[]F fhf[]fCf“ f[]f[]f€ fVfXfef€) fT[]fo[],í[]A[]çŠE‘t,ì TCP/IP
flfbfgf[]fN,ĀŽg,í,ê,Ā,ç,Û,·[]BWINS (Windows Internet Name Service[]F Windows fCf“f^[]flfbfg f[]f[]f€
fT[]f[]fX) fT[]fo[],í[]AWindows NT Version 3.5 ,©,ç“±“ü,ª,è,½fT[]fo[],Ā,·[]B,Ç,¿,ç,à[]AWindows NT
f_fCf,,f<fAfbfv flfbfgf[]fN fNf%ofCfAf“fg,É-¼‘O%ođĈ^fT[]f[]fX,đ‘ñ<Ÿ,µ,Û,·[]B

,±,ìf[]f[]f[]f[]f“ ,đ‘l‘đ,·,é,Æ[]Af_fCf,,f<fAfbfv fT[]fo[],ªf_fCf,,f<fAfbfv flfbfgf[]fN fNf%ofCfAf“fg,É DNS
fT[]fo[], © WINS fT[]fo[],đŠ,,è“-,Ā,é,æ,ª,É,È,è,Û,·[]B

,±,ìfìfvfvf#f“,ð‘ì‘ð,·,é,ÆADNS fT[]fo[]AWINS fT[]fo[]A,“,æ,Ñ,»,ê,¼,ê,ìfZfjff“f_fŠ
fT[]fo[] (fofbfNfAfbfv fT[]fo[]) ,ðŽw’è,Å,«,Ü,·B
0.0.0.0 ,ÉÝ’è,³,ê,½fAfhfCFX,Ü,½,í‘,ª“ü—í,³,ê,Ä,ç,È,çfAfhfCFX,ðŽw’è,μ,À,àA,»,ìf[]f€
fT[]fo[] fAfhfCFX,ì\□→,í•ïX,³,ê,Ü,¹,ñB

DNS fT[]fo[][,ì IP fAfhfCEfX,ð“ü—í,μ,Ü,·[]B

fZjff“f_fŠ DNS fT□[fo□[.ì IP fAfhfCEfX,ø“ü—í,μ,Ü,·□B

WINS fT[]fo[],ì IP fAfhfÇfX,ð“ü—í,μ,Û,·B

fZjf“f_fŠ WINS fT□[fo□[,ì IP fAfhfÇfX,š“ü—í,μ,Ü,-□B

,±,ìf`fFfbfN f{fbfNfX,í□APPP fT□[fo□[.Ö,ìf□Ofif“□^—□’t,¨,æ,ÑfifSfVfG□[fVf†f“’t,É Van Jacobson IP
fwfbf_□[^³□k,đŽg,¤,©,Ç,¤,©,đ□Ý’è,μ,Û,·□B

,±,ìf`fFfbfN f{fbfNfX,đfif“ (Šù’è,ì□Ý’è) ,É,·,é,Æ□Af_fCf,,f<fAfbfv flfbfgf□□[fN,í VJ fwfbf_□[^³□k,đŽg,¨,¤
,Æ,μ,Û,·□B ^³□k,đŽg,Á,½’É□M,ª,Á,«,é,©,Ç,¤,©,ìfŠf,□[fg PPP fT□[fo□[,ì<@”\
,É^É’¶,·,é,½,β□A□→CE÷,·,é□é□‡,àŽ,¨s,·,é□é□‡,à, ,è,Û,·,ª□AVJ
fwfbf_□[^³□k,ìfifSfVfG□[fVf†f“ ,ÉŽ,¨s,μ,Á,à□Ú’±,ª’tŽ~ ,³,é,é,±,Æ,í, ,è,Û,¹,ñ□B

,±,ìf`fFfbfN f{fbfNfX,đfift,É,·,é,Æ□Af_fCf,,f<fAfbfv flfbfgf□□[fN,í□AfT□[fo□[,É VJ fwfbf_□[^³□k,đ—
v<□,μ,½,è□AfT□[fo□[,©,ç—v<□,³,é,Á,à,» ,ì^³□k—v<□,đŽó,¨·t,¨,½,è,μ,Û,¹,ñ□BMicrosoft
□» ,Á,í,È,çCEÁ,çfo□[fWf†f“ ,ì PPP fT□[fo□[f†f†gfE†f†A,ì□é□‡,í□AVJ fwfbf_□[^³□k,đ—LCEø,É,μ,Á,¨, ,Æ
Windows NT f_fCf,,f<fAfbfv flfbfgf□□[fN,Æ’É□M,Á,« ,È,ç,±,Æ,à, ,è,Û,·□B,±,ìf`fFfbfN
f{fbfNfX,đfift,É,μ,È,¨,é,ì,È,ç,È,ç,ì,í□A□³□í,É□Ú’±,Á,« ,é,ì,É□A•Đ•ûCEü,Û,½,í—¼•ûCEü,É IP ff□[f^ ,đ”]’—
,Á,« ,È,ç□é□‡,¾,¨,Á,·□B

,±,ìf`fFfbfN f{fbfNfX,đfift,É,·,é,Æ□AZÿ,ìfCEfWfXfgfŠ’l,í-³CEø,É,È,è,Û,·□B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Rasman\PPP\IPCP\
AcceptVJCompression

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Rasman\PPP\IPCP\
RequestVJCompression

,±,ìf`fFfbfN f{fbfNfX,íAflfbfgf[]fN fj[]fh,ðŽg,Á,Ä,ç,Ä LAN ,É,à“`Žž,ÉÚ‘±,³,è,éf_fCf,,f<fAfbfv
flfbfgf[]fN fNf%oCfAf“fg,É,μ,©“K—p,³,è,Ü,¹,ñB,±,ìf`fFfbfN f{fbfNfX,ðflf“,É,·,é,ÆA f[]fj<
flfbfgf[]fN,Éf<[]fefBf“fO,Å,«,È,ç (‘—M[]æ,ªCE©,Ä,©,ç,È,ç) fpfPfbfg,ífŠf,[]fg
flfbfgf[]fN,ìŠù`è,ìfQ[]fgfEfFfC,É“]’—,³,è,Ü,·B,³,ç,ÉAfŠf,[]fg flfbfgf[]fN,Æf[]fj<
flfbfgf[]fN,ìŠÔ,ÅfAfhfCEfX,ì<£[]‡,ª“[]¶,μ,½[]ê[]‡,íAfŠf,[]fg flfbfgf[]fN,ð—D[]æ,μ,ÄfAfhfCEfX
%oðCE^,³,è,Ü,·B

f_fCf,,f<fAfbfv flfbfgf□□[fN fNf%ofCfAf“fg,í□ASLIP fT□[fo□[,É□Ú'±,Å,«,Ü,·□BSLIP fT□[fo□[,É□Ú'±
,·,é,É,í□AIP fAfhfCEfX,ðŽw'è,μ,È,¯,è,î,È,è,Ü,¹,ñ□BIP fAfhfCEfX,í□A'É□í,í^□[f~fif< fEfBf“fhfE,Å“ü—
í,μ,Ü,·,^a□A,±,±,Å, ,ç, ©,¶,ß“ü—í,μ,Ä, ¨,,±,Æ,à,Å,«,Ü,·□B□Ú'±Žž,ÉfT□[fo□[,^aŠ,,è“-.,Ä,é IP fAfhfCEfX,^{a-}
%oň“¯,¶□ê□‡,É,^{3/4},¯□A,±,±,ÉfAfhfCEfX,ð“ü—í,μ,Ä,,^{3/4},³,ç□B

DNS fT[]fo[][]AWINS fT[]fo[][]A,¨,æ,Ñ,»,ê,¼,ê,ìZfjff“f_Š fT[]fo[][] (fofbfNfAfbfv fT[]fo[][])
,đŽw’è,Å,«,Ü,·□B
0.0.0.0 ,É□Ý’è,³,ê,½fAfhfÇfX,Ü,½,í’l,ª“ü—í,³,ê,Ä,ç,È,çfAfhfÇfX,đŽw’è,μ,Ä,à□A,»,ìf[]f€
fT[]fo[][] fAfhfÇfX,ì□\□¬,í•ï□X,³,ê,Ü,¹,ñ□B

DNS fT[]fo[][,ì IP fAfhfCEfX,ð“ü—í,μ,Ü,·[]B

fZjff“f_fŠ DNS fT□[fo□[.ì IP fAfhfCEfX,ø“ü—í,μ,Ü,·□B

WINS fT[]fo[],ì IP fAfhfÇfX,ð“ü—í,μ,Û,·B

fZjf“f_fŠ WINS fT□[fo□[,ì IP fAfhfĈfX,š“ü—í,μ,Ü,-□B

f_fCf,,f<fAfbfv flfbfgf□□[fN,ì SLIP ,Á,í□AVan Jacobson (VJ) TCP/IP fpfPfbfg fwfbf_□[^³□k<@“\,²ftf|
□[fg,³,ê,Ä,ç,Û,·□BV] ,í□A¹²,,ì SLIP □^—□CEn,Áftf|□[fg,³,ê,Ä,ç,éfvf□fgfRf<□Á“K%»<@“\,Á,·,²□A^ê•”,ì SLIP
□^—□CEn,í VJ ,ðftf|□[fg,μ,Ä,ç,Û,¹,ñ□B

,±,ìf`fFfbfN f{fbfNfX,ðfift (Šù'è,ì□Ý'è) ,É,·,é,Æ□Af_fCf,,f<fAfbfv flfbfgf□□[fN,ì SLIP
,í□A^³□k,³,ê,½fpfPfbfg,ðCEŸ□o,μ,æ,κ,Æ,μ□A^³□k,³,ê,½fpfPfbfg,²CE©,Á,©,Á,½□ê□±,ÍŽ©“@“I,É VJ
fwfbf_□[^³□k,ðŽg,ç,Û,·□B,±,ì□Ý'è,É,μ,Ä,·,,Æ□A□Ú'±,ð³□í,ÉŠm—š,Á,«,é%oÁ“\□«,²□Á,à□,,-
,È,è□A,³,ç,É□A,½,ç,Ä,ç,ì□ê□±,í□Á—Ç,ìfpftfH□[f}f“fX,ð“¾,é,±,Æ,²,Á,«,Û,·□B

ft□[fo□['κ,ÆfNf%oCfAf“fg'κ,ì—¼•û,Á^³□k,ìCEŸ□o,²ŽŽ,Ý,ç,é,é□ê□±,í□A^³□k<@“\,²fAfNfefBfu%o»³,ê,É,ç
,±,Æ,à, ,è,Û,·□BfŠf,□[fg ft□[fo□[,à VJ fwfbf_□[^³□k,ðftf|□[fg,μ,Ä,ç,é,±,Æ,²,í,©,Á,Ä,ç,é□ê□±,í□A,±
,ìf`fFfbfN f{fbfNfX,ðfif“ ,É,μ,Ä^³□k<@“\,ðfAfNfefBfu,É,μ□AfpftfH□[f}f“fX,ðCEü□ă,³,¹,Ä,-
,¾,¾,ç□Bf_fCf,,f<fAfbfv flfbfgf□□[fN f,fjf^,ì [□ó'ó] f^fu,ì^³□k□î•ñ,ðŠÄŽ<·,é,±
,Æ,É,æ,Á,Ä□A^³□k,²□s,í,è,Ä,ç,é,©,Ç,κ,©,ðŠm“F,Á,«,Û,·□B

'□ ,±,ìf`fFfbfN f{fbfNfX,ðfif“ ,É,μ,Ä,ç,Ä□AfŠf,□[fg ft□[fo□[,² VJ fwfbf_□[^³□k,ðftf|□[fg,μ,Ä,ç
,É,©,Á,½□ê□±□AŽó□M,í□³□í,É□s,í,è,Û,·,²□A'—□M,ÍŽ,“s,μ,Û,·□B,±,ì,æ,κ
,É□ê□±□A,Û,Æ,ñ,Ç,ìfAvfŠfP□[fvf†f“,Á,í'o•ûCEü,ìÉ□M,²•K—
v,Æ,È,é,½,β□A'É□í,í□AfZfbfVf†f“,í'tŽ~³,è,Û,·□B

,±,ìf`fFfbfN f{fbfNfX,íAflfbfgf[]fN fj[]fh,ðŽg,Á,Ä,ç,Ä LAN ,É,à“`Žž,ÉÚ‘±,³,è,éf_fCf,,f<fAfbfv
flfbfgf[]fN fNf%oCfAf“fg,É,μ,©“K—p,³,è,Ü,¹,ñB,±,ìf`fFfbfN f{fbfNfX,ðflf“ ,É,·,é,ÆA f[]fj<
flfbfgf[]fN,Éf<[]fefBf“fO,Å,«,È,ç (‘—M[]æ,ªCE©,Ä,©,ç,È,ç) fpfPfbfg,ífŠf,[]fg
flfbfgf[]fN,ìŠù`è,ìfQ[]fgfEfFfC,É“]’—,³,è,Ü,·B,³,ç,ÉA fŠf,[]fg flfbfgf[]fN,Æf[]fj<
flfbfgf[]fN,ìŠÔ,ÅfAfhfCEfX,ì<£[]‡,ª“[]¶,μ,½[]ê[]‡,íA fŠf,[]fg flfbfgf[]fN,ð—D[]æ,μ,ÄfAfhfCEfX
%oðCE^,³,è,Ü,·B

'—□MftfÆ□[f€,ìTfCfY,ð'ì,Ñ,Ü,·□BŠù'è,ìÝ'è,Å,í□A,±,ìTfCfY,í 1006 ,Å,·□BfŠf,□[fg fAfNfZfX fT□[fo□[,ª
1500 fofCfg,ìfpfPfbfg,ðŽó, ¯•t, ¯,é□ê□‡,í□A1500 ,à'ì'ð,Å,«,Ü,·□B

RAS f^ [f~fif<, í AfŠf, [fg fRf“fsf... [f^, ©, ç' —, ç, ê, Ä, «, ½ f [fOflf“ ^ — — p, ì • ¶ Žš — ñ, ð • \
Ž, , é • ¶ Žš f x [fX, ì fE fBf“ fhfE, Ä, · B' Ê í A, ±, ì fE fBf“ fhfE, í AfŠf, [fg fRf“fsf...
 [f^, Ö, ì f [fOflf“, ð í ~ b“ i, É i, B, é, ½, B, É Ž g — p, Ä, «, Ü, · B Ž è“ ©, ì f [fOflf“, í Af^ [f~fif<
fE fBf“ fhfE, ð Ž g, í, , É AfX fNfŠ fvf g, ð Ž g, Á, Ä Ž ©“ @%o», , é, ±, Æ, à, Ä, «, Ü, · B Ú ×, É, Ä, ç, Ä, í A u f Š f, [fg
f [fOflf“, É RAS f^ [f~fif<, ð Ž g, g [v, ð Ž Q [Æ, µ, Ä, , ¾, ¾, ç B
f_fCf,, f<‘O, “, æ, Ñ f_fCf,, f<Æ ä, ì f f v f v f f f“, ð • Ì X, ·, é, É, í Af_fCf,, f< f A f b f v f l f b f g f [fN, ì [fX fN fŠ f v f g] f^ f u, ð Ž g, ç
, Ü, · B

fŠf,□[fg fRf“fsf...□[f^,ì IP fAfhfCEfX,đ“ü—í,μ,Ü,-□B

fŠf.□[fg fRf“fsf...□[f^,Æ,ìî~b,ð,·,×,ÄŠ@—¹,μ,½CEã,ÉfNfŠfbfN,μ,Ü,·□B

f_fCf,,f<fAfbfv flfbfgf□□[fN,ìf}f<f`fŠf“fN<@”\,í□A•;□”,ì•” —□“l,ÈfŠf“fN,ð□A~ _—□“l,È 1 ,Â,ì ““©”
,ÉCE<□‡,μ,Ü,·□B,±,·ì•;□‡fŠf“fN,ð□i□¬,·,é,±,Æ,É,æ,è□A’Ñ^æ•□,ð□L,,·,é,±
,Æ,ª,Â,«,Ü,·□Bf}f<f`fŠf“fN,ª□Â,à^ê”Ê“l,ÉŽg,í,è,é,ì,í□AISDN f`fff|f<,ìCE<□‡,Â,·ª□A•;□”,ìf,fff€
,ðCE<□‡,³,¹,½,è□Af,fff€,Æ ISDN %oñ□ü,ðCE<□‡,³,¹,½,è,·,é,±,Æ,à,Â,«,Ü,·□Bf}f<f`fŠf“fN,ðŽg,ª³
,É,í□Af_fCf,,f<fAfbfv fT□[fo□[,Â,àf}f<f`fŠf“fN,ª—LCEø,É,È,Á,Ä,ç,È,¯,ê,Î,È,è,Ü,¹,ñ□B
CEÄ,Ñ□o,μŽž,ÉCEÝ,ç,ÉfŠf“fN,³,¹,é’•’u,ð’l’ð,μ,Ä,,³/₄,³,ç□B

,±,ì'•'u,ì□V,μ,ϕ“d~b”Ô□t□A,Û,½,í'ã'Ö“d~b”Ô□t,ð'Ç%oÁ,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·□B

'•'uCEĀ—L,ìŸ'è,ð\Ÿ¬,;é,Æ,«,ÉfNfŠfbfN,μ,Û,·B,½,Æ,!,ÎAŸ'±,Éf,fff€;đŽg,ꝛêŸ‡,ÍA,±,±,đfNfŠfbfN,·,é,ÆAŸ,fff€,ìÊM'¬"x,đŸ'è,μ,½,èAŸ,fff€^³Ÿk<@"\,đ—LCEø,É,μ,½,è,Ā,«,Û,·B

,±,ìfRf“fsf...[]f^[]ã,ì'•'u,ì't,©,ç[]A[]Ú'±[]ó'Ô,ð•\Ž|,.,é'•'u,ð'l,Ñ,Ü,·[]B

Ú±,ªfAfNfefBfu,È,Æ,«,íA,±,±,É,íCE»Ý,ì'•u,ìŽg—pó<µ,ª•\Žì,³,ê,Ü,·BfNf%ofCfAf“fg,ìê±,íA“d~b' f
Gf“fgfŠ,ª•\Žì,³,êAfT[fó[.ìê±,íAÚ'±,³,ê,Ä,ç,éft[fU[,ª•\Žì,³,ê,Ü,·B
Ú'±ó'Ó,ª”ñfAfNfefBfu,ì,Æ,«,íACE»Ý,±,ìfGf“fgfŠ,ìÚ'±,í[s,í,ê,Ä,ç,Ü,¹,ñB

f,ff€,,Æ,İŠÔ,İff□[f^,İ“]’—’—“x,^a bps (frfbfg/•b) ’P^Ê,Å•\Ž!,³,ê,Ü,.□B

• " —□"l,É□Ú'±,ªŠm—š,µ,Ä,©,ç,ìŒo%ºßŽžŠÔ,ª•b'P^Ê,Å•\Ž! ,ª,ê,Ü,·□B

ŽóMff[]f^,ìó'Ô,ª•\Ž!,³,ê,Ü,·B

'—□Mff□[f^,ì□ó'Ô,â•\Ž|,³,ê,Û,·□B

□Ú'±'†,É"□¶,μ,½fGf%□[,³•\Ž!,³,ê,Û,·□B

,±,ìÚ'±,ð'Ê,¶,ÄŽóM,μ,½fofCfg",ì‡CEv,ª•\Ž!,³,ê,Û,·B,±,ì""l,íA^³k%øðœ,³,ê,½CEã,ìfofCfg",ð•\ ,μ,Ä,ç,Û,·B

fT[fō[, ©,čŽóM,μ,½~_—f|fbfgf[fN ftjCE[f€” ,ª•\Ž!,³,ê,Ü,·BftjCE[f€,ìCE`Ž® ,íAŽg—p,μ,Ä,ç
,éf|fbfgf[fN fvjfgfRf<,É,æ,èCE^,Ü,è,Ü,·BftjCE[f€,ìÅ’âftjCfY,í 1514 fofCfg,Å,·B—‘z”l,ÈŽd—
l,ÅÝCEv,³,ê,½fNf%fCfAf“fg fT[fō[fAfvfŠfP[fVf#f” ,íAŠeftjCE[f€
,đŠ®‘S,ÉA,Ü,½,í,Ù,ÚŠ®‘S,ÉŽg,çAftjCE[f€” ,ª,Å,« ,éCEÀ,è,È,,È,é,æ,ª,É,μ,Äff[f^,đ”]’—
,μ,Ü,·BftjCfY,ì¬,³,çftjCE[f€,ª’â—É,É”]’—,³,ê,Ä,ç,éèè#AŽÀs’t,ìfAfvfŠfP[fVf#f” ,íA,¨,»,-
A”]’—’¬“x,ì’x,çÚ’±,ÅCEø—!,æ,ŽÀs,Å,« ,é,æ,ª,É,íÝCEv,³,ê,Ä,ç,Ü,¹,ňB

ŽóM,μ,½ff□[f^,ì^³□k,ì"ä—,ª•\Ž!,³,é,Ü,·□B^³□k—,í□A'ì,ª□,,ç•û,ª—],Ü,μ,çfpf
%of□□[f^,Á,·□B,½,Æ,ì,î□A400 fofCfg,ìff□[f^,đŽóM,μ,Ä^³□k%ø□œ,·,é,Æ 1000
fofCfg,É,É,Á,½□ê□#,í□A^³□k—,í 60% ,Á,·□B,±,ì'ì,É"½%of,³,é,Ä,ç,é,ì,í□Añ
ftfgfEjFA^³□k,¾, ,Á,·□B'B□—,Á,«,é^³□k—,í□A"']'—,³,é,éff□[f^"à,É, ,é□ç'·"•ª,ì—
É,É,æ,Á,ÄCE^,Ü,è,Ü,·□B,½,Æ,ì,î□AfeLjXfg,âfrfbjgf}fbfv,íCEø—,æ,^³□k,³,é,Ü,·,ª□AZÀ□s%oÁ"\
,Èftf@fCf<,âŠù,É^³□k,³,é,Ä,ç,éff□[f^,í, ,Ü,èCEø—,æ,^³□k,³,é,Ü,¹,ñ□B
IP fv□f□fRf< VJ fwfbf_□[³□k,đŽg,Á,Ä (fAfNfefBfu,É,μ,Ä) □Ú'±,μ,Ä,ç,é□ê□#,í□A,±,ì'ì,Éfwfbf_□[ì^³□k—,à
%oÁ,ì,ç,è,Ü,·□B,±,ì,½,ß□A[ñftfgfEjFA,É,æ,é^³□k,ð□s,π] f`fFjbfN f{fbfNfX,ðfift,É,μ,Ä,ç,Ä,à (,±
,ì□Y'è,íff□[f^,ì,Ý,É"K—p,³,é,é,ì,Á□Añft,É,μ,Ä,àfwfbf_□[ì^³□k,í-³CEø,É,È,è,Ü,¹,ñ)□A,±,ì'ì,í 0
,É,È,ç,É,ç□ê□#,à, ,è,Ü,·□B
'□ f}f<`fLfffXfg ff□[f^fof%of€,âftfCfY,ì"ñ□í,É□—,³,çftfCE□[f€,È,Ç,ì^è•",ìftfCE□[f€,É'í,μ,Ä,í□Añ
ftfgfEjFA^³□k,í□s,í,è,Ü,¹,ñ□B,±,ì,æ,π,ÈftfCE□[f€,í□A^³□k□^—□,ìCEvZZ,É,ÍSÜ,Ü,è,Ü,¹,ñ□B

,±,ìÚ'±,ð'Ê,¶,Ä'—M,μ,½fofCfg",ì‡CEv,ª•\Ž!,³,ê,Û,·B,±,ì""'l,íA^³k%œ,³,ê,é'O,ìfofCfg",ð•\
,μ,Ä,ç,Û,·B

fT[fō[.Ö'—M,μ,½~_—flfbfgf[fN ftjCE[f€",ª•\Ž!,ª,è,Ü,·BftjCE[f€,ìCE`Ž® ,íAŽg—p,μ,Ä,ç
,éflfbfgf[fN fvjfgfRf<,É,æ,Á,ÄCE^,Ü,è,Ü,·BftjCE[f€,ìA'âftjCfY,í 1514 fofCfg,Ä,·B—'z"l,ÈŽd—
l,ÄÝCEv,ª,è,½fNf%fCfAf"fg fT[fō[fAfvfŠfP[fVf#f",íAŠeftjCE[f€
,đŠ®'S,ÉA,Ü,½,í,Ü,ÚŠ®'S,ÉŽg,çAftjCE[f€",ª,Ä,«,éCEÀ,è,,È,,È,é,æ,x,É,μ,Äff[f^,ð"j'—
,μ,Ü,·BftjCfY,ì¬,ª,çftjCE[f€,ª'â—É,É"j'—,ª,è,Ä,ç,éèè#AŽÀs't,lfAfvfŠfP[fVf#f",íA,¨,»,ç,-
A"j'—'¬"x,ì'x,çÚ'±,ÅCEø—!,æ,ŽÀs,Ä,«,é,æ,x,É,íÝCEv,ª,è,Ä,ç,Ü,ª,ñB

"J'—,μ,½ff□[f^,ì^³□k,ì"ä—,ª•\Ž!,³,ê,Ü,·□B^³□k—,í□A^l,ª□,,ç•ù,ª—],Ü,μ,çfpf
%of□□[f^,Ä,·□B,½,Æ,!,í□A1000 fofCfg,ìff□[f^,ð 400 fofCfg,É^³□k,μ,Ä"J'—,μ,½□ê□#,í□A^³□k—,í 60%
,Ä,·□B,±,ì'l,É"½%of,³,ê,Ä,ç,é,ì,í□A\ftfgfEjFfA^³□k,¾,¯,Ä,·□B'B□—,Ä,«,é^³□k—,í□A"J'—,³,ê,éff□[f^"à,É, ,
é□ç'•"•ª,ì—É,É,æ,Á,ÄCE^,Ü,è,Ü,·□B,½,Æ,!,í□AfeLjXfg,âfrfbfgf}fbfv,íCEø—,æ,^³□k,³,ê,Ü,·,ª□AŽÀ□s
%oÄ"\,Èftf@fCf<,âŠù,É^³□k,³,ê,Ä,ç,éff□[f^,í, ,Ü,èCEø—,æ,^³□k,³,ê,Ü,¹,ñ□B

IP fv□f□g□Rf< VJ fwfbf_□[ì^³□k,ðŽg,Á,Ä (fAfNfefBfu,É,μ,Ä) □Ú'±,μ,Ä,ç,é□ê□#,í□A,±,ì'l,Éfwfbf_□[ì^³□k—,à
%oÁ,!,ç,ê,Ü,·□B,±,ì,½,ß□A[\ftfgfEjFfA,É,æ,é^³□k,ð□s,π] f`fFfbfN f{fbfNfX,ðfift,É,μ,Ä,ç,Ä,à (,±
,ì□Y'è,ìff□[f^,ì,Ý,É"K—p,³,ê,é,ì,Ä□Aift,É,μ,Ä,àfwfbf_□[ì^³□k,í-³CEø,É,È,è,Ü,¹,ñ)□A,±,ì'l,í 0
,É,È,ç,È,ç□ê□#,à, ,è,Ü,·□B

'□ f}f<f`fLfffXfg ff□[f^fof%of€,âfTfCfY,ì"ñ□í,É□—,³,çftfCE□[f€,È,Ç,ì^ê•",ìftfCE□[f€,É'í,μ,Ä,í□A\A
ftfgfEjFfA^³□k,í□s,í,ê,Ü,¹,ñ□B,±,ì,æ,π,ÈftfCE□[f€,í□A^³□k□^—□,ìCEvŽŽ,É,íŠÜ,Ü,ê,Ü,¹,ñ□B

„%ñç'·Ĉÿ (CRC) ,ž, "s, É, æ, è" ¶µ, ½fGf%o[,ì" ,ª·\Ž!, ³, è, Û, ·BCRC fGf%o[,íAff[f^
fpfPfbfg"à, ÈfT[f o[, ©, ç³µ, "ž' ... , µ, È, ©, Á, ½·¶Žš,ª , é, ±, Æ, ðŽ!, µ, Û, ·B

'—,ç,ê,Ä,,é,í,,ì•ŕŽš,ð^è'èŽžŠÔ“à,ÉŽó□M,Á,«,©,Á,½%ñ□”,ª•\Ž!,³,ê,Ü,·□B,±,ĴGf%□[,ª”-
□ŕ,·,é,Æ□Aff□Ĵf^,ªŽ,,í,ê,½,ÆCE©,È,³,ê□AſftfgfEſFfA,í□Ä'—v<□,ð'—,è,Ü,·□B

ŽóM,μ,½•ŕŽš,ª—,ç,è,Ä,,é,í,,ì•ŕŽš,Æ^Ù,È,Á,Ä,ç,é%ň"ª•\Ž!,ª,è,Û,·B^è"Ê,ÉAZ,,í,è,½•ŕŽš,ª, ,é,Æ
,«A,Û,½,Íf^fCf€fAfEfg fGf%l,ª"ŕ,μ,½,Æ,«,ÉAfAf%ofCf"fg fGf%l,ª"ŕ,μ,Û,·B

"ñ"~Šú'É□M,Å-³CEø,ÉfXf^□[fg frfbfg,Ü,½,ÍfXfgfbfv frfbfg,ð"²,π•¶Žš,ðŽó□M,μ,½,±,Æ,ðŽ!,·fGf%□□,ì"□¶
%□ñ□",ª•\Ž!,³,è,Ü,·□B,±,ÍfGf%□□,ª"□¶,μ,ÄfŠf,□[fg fAfNfZfX□Ú'±,ðŠm—š,Å,«,È,ç□ê□‡,Í□AfRf"fsf...
□[f^,©,çf,fff€,Ö,ì (DTE ,©,ç DCE ,Ö,ì) ff□[f^"']'—'—"x,ªŠÔ^á,Ä,Ä,ç,é%□Å"\□«,ª, ,è,Ü,·□B,±,ì-â'è,ª"-
□¶,μ,½,Æ,ç,π,±,Æ,Í□AfŠf,□[fg fAfNfZfX—p,Íf,fff€,ì□\□—"à—e,ªŽg—p,μ,Ä,ç,é,f,fff€,É□‡,Ä,Ä,ç,È,ç%□Å"\
□«,ª, ,è,Ü,·□Bf{□[fCE□[fg,Ü,½,Ífn□[fhfEfFfA ftf□□[□§CEä,ì□Ý'è,ð•ï,¡,é,Æ□A-
â'è,ðCEyCE, ,Å,«,é□ê□‡,ª, ,è,Ü,·□B,±,ÍfGf%□□,ªCEp'±"l,É"□¶,·,é□ê□‡,â□ARAS CEo—R,ì□Ú'±,ªŠm—
š,Å,«,È,ç□ê□‡,Í□AfVfXfefeŠÇ—□ŽÒ,É-â,ç□‡,í,¹,Ä,,³/4,³,ç□B

'—□M'α, ðRf"fsf...□[f^, É, æ, éff□[f^, ì"]'—'—"x, a□AŽó□M'α, ðRf"fsf...□[f^, ðfn□[fhfEjFfA fCEfxf<, Å, ð^—□" \—
í, ð', ð, ½%ñ□", a•\Ž, ³, ê, Û, ·□B, ±, ð-â'è, aCEp'±, ·, é□è□±, í□Af{□[fCE□[fg, ð'á, ç'l, É•İ□X, μ, Ä, , ¾, ³, ç□B

'—□M'α, ðRf"fsf...□[f^, É, æ, éff□[f^, ì"]'—'—"x, a□AŽó□M'α, ðRf"fsf...□[f^, ðftfgfEjFfA fCEfxfç, Å, ð^—□" \—
í, ð', ð, ½%ñ□", a•\Ž!, ³, ê, ð, ·□B, ±, ð-â'è, aCEp'±
, ·, é□ê□†, í□A{□[fCE□[fg, ð'á, ç'í, É•ï□X, ·, é, ©□A, ð, ½, íŽó□M'α, ðRf"fsf...□[f^, ð CPU , É, ©, ©, é•%
%x, ðCEyCE, μ, Ä, , ¾, ³, ç□B

,±,ìÚ'±,ÉŠÖ, :é“Æv□î•ñ,ð 0 ,ÉfŠfZfbfg,μ,Û,·□B

,±,ì'•'u,ìfìbfqf□□[fN□Ú'±,ÉŠÖ,·,é□Ú□×□î•ñ,ª•\Žì,³,ê,Ü,·□B

□Ú'±,đ□Ø'f,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

f,fff€ŠÔ,ìfSfVfG[]fVf+f",³|—¹,µ,½,Æ,«,É[]Af[][]fjf< f,fff€,©,çfRf"fsf...[]f^,É'—[]M,³,ê,½•¶Žš—ñ,ª\ Ž,³,ê,Ü,·[]B^ê"É"l,É[]A•¶Žš—ñ,í CONNECT ,ĂŽn,Ü,è[]A'½,- ,ìê[]#[]A,» ,ìĀă,É[]AfSfVfG[]fVf+f",³,ê,½<@"\,ì[]ó<µ,Æ%ñü'→"x,ª±,«,Ü,·[]B,½,Æ,ì,î[]A"V.42 bis is in use" ,È,Ç,Ā,·[]BISDN %ñü,đŽg,Á,Ă,č,éê[]#,í[]A,±,±,É,í%½,à•\Ž,³,ê,Ü,¹,ñ[]B"ĂŽê,È%ž"š,ì[]à- ¾,É,Ā,č,Ă,í[]AŽg—p,µ,Ă,č,éf,fff€,ìf}ffj...fAf<,đŽQ[]Æ,µ,Ă,,¾,³,č[]B

'•'u,āŽóM,μ,½ff[f^,ì^³k%øðœ'O,ìfofCfg",ā•\Ž!,³,ê,Û,·B

'•'u, a' — □M, μ, ½ff□[f^, î^3□kÆã, ìfofCf g□", a•\Ži, 3, ê, Û, ·□B

,Ç,İfİbfçgf□□[fN,Æ□A,±,İfRf“fsf...□[f^□ă,İ,Ç,İ'•'u,ª□Ú'±,³,ê,Ă,ç,é,©□A,¨,æ,Ñ,Ç,İft□[fU□[ª□Ú'±,³,ê,Ă,ç
,é,İ,©,đĈĈ,é,±,Æ,ª,Ă,«,Ü,·□B

,±,ì'•'u,ìfìbfqf□□[fN□Ú'±,ÉŠÖ,·,é□Ú□×□î•ñ,ª•\Žì,³,ê,Ü,·□B

□Ú'±,đ□Ø'f,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

ŽŸ,ÉŽ!,·Ú'±f□bfZ□[fW,đ"`,!,é,½,ß,É%°¹,đ-Â,ç,·,æ,κ,ÉfRf“fsf...□[f^,đ□□¬,Â,«,Ü,·□B

,±,ìf`fFfbfN f{fbfNfX,ðfif“ ,É,·,é,Æ□A□Ú'±,³□³□f,ÉŠm—§,³,è,½,Æ,«,É%°¹,ð-Â,ç,μ,Û,·□B

,±,ìf`fFbfN f{fbfNfX,ðfif“,É,·,é,Æ□A□Ú‘±,³□Ø’f,³,è,½,Æ,«,É%°¹,ð-Â,ç,μ,Û,·□B

,±,îf`fFfbfN f{fbfNfX,ðfif“ ,É,·,é,Æ□Aff□[f^,ª“]‘—,³,ê,½,Æ,«,É%o¹,ð-Â,ç,µ,Û,·□B

,±,ÿ`fFbfN f{fbfNfX,ðfif“ ,É,·,é,Æ□AfGf%□[,³”□¶,μ,½,Æ,«,É%□¹,ð-Â,ç,μ,Û,·□B

,±,ìf`fFbfN f{fbfNfX,ðfif“,É,·,é,Æ□Aflfbfgf□□[fN f,fjf^,ª<N“ ®,³,è,½CEä,É□Af^fXfNfo□[É [f_fCf,,f<fAfbfv
flfbfgf□□[fN f,fjf^] fAfCfRf“,É'í%ž,·,éf{f^f“,ª•\Ž!,³,è,Ü,·□B

f_fCf,,f:fAfbfv flfbfgf[]fN f,fjf^,í[]AfXfe[]f^fX f%fCfg,ðfAfCfRf“,©ffXfNfgfbfv[]ã,ìEfbf“fhfE,ì 2
,Ã,ìE` ,ì,Ç,ì,ç,©,É•Žì,·,é,æ,π,É[]¬,Å,«,Ü,·[]B

,±,ìfifvfVf#f“,ð'ì'ð,·,é,Æ□AfXfe□[f^fX f%ofCfG,í□Af^fXfNfo□[,ìŽžÆv,ì—x,É [f_fCf,,f·fAfbfv flfbfgf□□[fN
f.fjf^] fAfCfRf“,Æ,μ,Ä·\Žì,³,ê,Û,·□B

,±,ìfìfvfVf#f“,ð'ì'ð,·,é,Æ□AfXfe□[f^fX f%ofCfG,í□AfffXfNfgfbfv□ã,É [f_fCf,,f<fAfbfv flfbfgf□□[fN f,fjff^]
fEfBf“fhfE,Æ,μ,Ä•\Žì,³,ê,Û,·□B

,±,ìf`fFbfN f{fbfNfX,đfif“,É,·,é,Æ□A[f_Cf,,f<fAfbfv flfbfgf□□[fN f,fff^] fEfBf“fhfE,Éf^fCf<g<,ª•\
Ž,³,è,Û,·□B

,±,ìf`fFfbfN f{fbfNfX,ðflf“ ,É,·,é,Æ□A[f_fCf,,f<fAfbfv flfbfgf□□[fN f,fjf^]
fEfBf“fhfE,í,í,É,Ù,©,ìEfBf“fhfE,æ,è,àŽè‘O,É•\Ž,³,è,Ü,·□B

fXfe[]f^fX f%ofCfg,³fRf“fsf...[]f^[]ã,ì,ç,ìfffofCfX,ìó'Ô,ðŽì,·,©,ð'l,Ô,Æ,«,ÉfNfŠfbfN,μ,Û,·[]B

,±,±,Å%oÁ,!,½•ĪX,đ,·,®Éf_fCf,,f<fAfbfv flfbfgf[]fN f,fjf^,É“K—p,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·□B

,±,ìf`fFfbfN f{fbfNfX,ðflf“,É,·,é,Æ□Af_fCf,,f<fAfbfv flfbfgf□□[fN f,ffj^,ìfEfbf“fhfE“à,ÅfXfe□[f^fX f
%ofCfg,³□è,ß,é—ì^æ,ì'å,«,³,ð□§CEä,Å,«₃,é,æ,π,É,È,è,Ü,·□B

,±,ìfRf“fsf...[]f^[]ã,ì'•u,ì't,©,ç[]AfXfe[]f^fX f%ofCfg,ð•\Ž!,:,é'•'u,ð'l'ð,μ,Û,·[]B

'l'đ,μ,½'•'u,Ü,½,ÍÚ'±,ª•\Ž!,³,ê,Ü,·□B

,±,ì'•'u,ª□Ú'±,ÉŽg,Á,Ä,č,éfvf□fgfRf<,ª•\Ž!,³,ê,Û,·□B

f_fCf,,f<fAfbfv fT[]fo[],©,çRf“fsf...[]f^,ÉŠ,,è“-,Ä,ç,ê,½fAfhfçfX,î^ê—,ª•\Ž,³,è,Ü,·B•\ Ž,³,è,é,ì,í[]Af_fCf,,f<fAfEfg[]Ú'±-p,Æ,μ,Ä-L∅,É,È,Á,Ä,ç,éfvf[]fgfRf<,îfAfhfçfX,¾,¯,·B

RAS fT[]fo[],ì IP fAfhfCEfX,³•\Ž!,³,ê,Ü,-□B

f_fCf,,fAfbfv fT[fo[.,©,çRf“fsf...[f^,ÉŠ,,è“-,Ä,ç,ê,½ IPX flfbfgf[[]fN”Ô[†,ª•\Ž|,³,ê,Ü,·[B

IPX fm[]fh,íA“Á'è,lfRf“fsf...[]f^,đŽ`•Ê,μ,Ü,·[]B

,±,ìfRf“fsf...[]f^,ì-¼'O,ª•\Žì,³,ê,Ü,·[]B

f_fCf,,fAfbfv flfbfgf[]fN,Å,íŠefGf“fgfŠ,É•;□”,ì“d~b”Ô□†,ðŠ,,,è“- ,Ä,é,±,Æ,³,Å,«,Ü,·□B,±
.ê,í□A•;□”,ì“d~b”Ô□†,ð—p^Ó,μ,Ä, ,é□Ú’±□æ,É□Ú’±,·,é□ê□‡,É•Ö—~,Ä,·□B
fGf“fgfŠ,É 2 ,Ä-Ú^È□~,ì“d~b”Ô□†,ð’Ç%oÁ,·,é,É,í□A□V,μ,ç“d~b”Ô□†,ð“ü—í,μ□A[‘Ç%oÁ]
.ðfNfŠfbfN,μ,Ü,·□B

fGf“fgfŠ,É 2 ,Â-Ú^È~ ,ì“d~b”Ô†,đ'Ç%oÁ, ,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

[“d~b”Ô□t] f{fbfNfX,Å'1'ð,³,ê,Ä,ç,é“d~b”Ô□t,ð□V,μ,ç“d~b”Ô□t,É'u,«Š,;,é,Æ,«,ÉfNfŠfbfN,μ,Û,·□B

fGf“fgfŠ,ì‘ă‘Ö“d~b”Ô□t,ì^ê—,ª•\Žì,³,ê,Û,·□B

[“d~b”Ôt] f{fbfNfX,Å‘đ,μ,½“d~b”Ôt,đA-U“l,ì#~ ,É,È,é,Ü,Åã,É^Ú“® ,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·B
f_fCf,,f<fAfbfv flfbfgf[fN,íAÚ’±,Šm—š,³,é,é,Ü,Åã,ì”Ôt,©,ç#Éf_fCf,,f<,μ,Ä,ç,«,Ü,·B

[“d~b”Ôt] f{fbfNfX,Å‘đ,μ,½“d~b”Ôt,đA-U“l,ì#~ ,É,È,é,Û,Å%º,É^Ú“® ,·,é,Æ,« ,ÉfNfŠfbfN,μ,Û,·B
f_fCf,,f<fAfbfv flfbfgf[fN,íAÚ’±,Šm—š,³,é,é,Û,Åã,ì”Ôt,©,ç# ,Éf_fCf,,f<,μ,Ä,ç,« ,Û,·B

[“d~b”Ôt] f{fbfNfX,Å'1'ð,μ,½“d~b”Ôt,ðíœ,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

,±,ìf`fFfbfN f{fbfNfX,ðfif“,É,μ,Ä,¨,,Æ□A□³□í,É□Ú‘±,³,ê,½“d~b”Ô□t,ª^ê——
,ì^ê”Ô□ã,Û,Å^Ú“® ,³,ê,Û,·□BŽŸ%oň“˘,¶“d~b’ fGf“fgfŠ,Åf_fCf,,f< ,·,é,Æ,«,í□A,Û,·□ã,É^Ú“® ,³,ê,½”Ô□t,Å□Ú’
±,ªŽŽ,Ý,ç,ê,Û,·□B

Ú“á”Ô†,ÍA“d~b’ fGf“fgfŠ,ì“d~b”Ô†,ìæ“á,É’Ç%Á,³,ê,Û,·B
—~—p%Á“\,ÈÚ“á”Ô†,ì^ê—,ÉÚ“á”Ô†,ð’Ç%Á,·,é,É,ÍA,±,ìf{fbfNfX,ÉÚ“á”Ô†,ð“ü—Í,μA[’Ç%Á]
,ðfNfŠfbfN,μ,Û,·B

—~—p%oÁ“\,È□Ú“a”Ô□†,ì^è—,É□V,μ,ϕ□Ú“a”Ô□†,đ’Ç%oÁ,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·□B

[Ú“a”Ôt] f{fbfNfX“à,Å<'²•\Ž|,³,ê,Ä,ç,éÚ“a”Ôt,ðV,μ,çÚ“a”Ôt,É'u,«Š,ı,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

—~—p%oÂ“\,È□Ú“a”Ô□†,ì^ê—,a•\Ž!,³,ê,Û,·□B

'l'δ,μ,½Ú"ª"Ô†,δ-Ú"l,ì†~ ,É,È,é,Ü,Åä,É^Ú"® ,: ,é,Æ,« ,ÉfNfŠfbfN,μ,Ü,·B

'l'đ,μ,½Ú"ª"Ô†,đ-Ú"l,ì†~ ,É,È,é,Û,Å%º,É^Ú"® , : ,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

'l'đ,μ,½Ú"á"Ô†,đíœ,:é,Æ,«,ÉfNfŠbfN,μ,Û,:B

Ú"ö"Ôt,íA"d~b' fGf"fgfŠ,ì"d~b"Ôt,ìĀă,ë,É'Ç%Á,³,ê,Û,·B
—~—p%Á"\,ÈÚ"ö"Ôt,ì^ê—,ÉÚ"ö"Ôt,đ'Ç%Á,·,é,É,íA,±,ìf{fbfNfX,ÉÚ"ö"Ôt,đ"ü—í,μA[Ç%Á]
,đNfŠfbfN,μ,Û,·B

—~—ρ%oÁ"\,È□Ú"ö"Ô□†,ì^ê—,É□V,μ,ç□Ú"ö"Ô□†,ð'Ç%oÁ,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·□B

[Ú"ö"Ôt] f{fbfNfX"à,Å<'²•\Ž!,³,ê,Ä,ç,éÚ"ö"Ôt,ðV,μ,çÚ"ö"Ôt,É'u,«Š,!,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

—~—p%oÁ"\,È□Ú"ö"Ô□†,ì^ê—,ª•\Ž†,ª,ê,Û,·□B

'l'δ,μ,½Ú"ö"Ô†,δ-Ú"l,ì†~ ,É,È,é,Û,Åä,É^Ú"® , ,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

'l'δ,μ,½Ú"ö"Ô†,δ-Ú"l,ì‡~ ,É,È,é,Û,Å%º,É^Ú" ® ,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

'l'đ,μ,½Ú"ö"Ô†,đíœ,:é,Æ,«,ÉfNfŠfbfN,μ,Ü,·B

,Ç,ìŠÝ'n,©,ç_fCf,,f<,:.é,©,đ'I,Ñ,Ü,.B

□V,μ,ϕ□Š□Ý'n,đ'Ç%oÁ,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B'Ç%oÁ,μ,½□Š□Ý'n,Í□A[f_fCf,,f<fAfbfv flfbfgf□□[fN]
fEfBf“fhfE,ì [“□MÇ³] f{fbfNfX,Å'l'đ,Å,«,é,æ,α,É,È,è,Ü,·□B

Ú“a”Ôt,žw’è,·,é,ÆAŠe“d~b’ fGf“fgfŠ,đ•ĪX,μ,È,,Ä,àA^êŽž“l,É,·,x,Ä,ì“d~b’ fGf“fgfŠ,ì“d~b”Ôt,ì
æ“a,É,»,”Ôt,đ’Ç%oÁ,·,é,±,Æ,a,Ä,«,Û,·B
‘l’đ,μ,½ŠÝ’n,ÉŽg,αÚ“a”Ôt,đ’l’đ,μ,Ä,,¾,¾,çB

V,μ,ϕÚ“a”Ô†,đ’Ç%Á,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

Ú“a”Ô†,ì^ê—,íAfRf“fsf...f^ã,ìŠeftfU[,ªCEÂ•É,ÉŠÇ—,·,é,à,ì,Â,·B

Ú"ö"Ôt,žw'è,·,é,ÆAŠe"d~b' fGf"fgfŠ,đ•ĩX,μ,È,,Ä,àA^êžž"l,É,·,x,Ä,ì"d~b' fGf"fgfŠ,ì"d~b"Ôt,ìĚ
ã,ë,É,»,"Ôt,đ'Ç%oÁ,·,é,±,Æ,³,Å,«,Û,·B
'l'đ,μ,½ŠÝ'n,ÉŽg,αÚ"ö"Ôt,đ'l'đ,μ,Ä,,¾,³,ċB

V,μ,φÚ"ö"Ôt,đ'Ç%oÁ,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·B

Ú"ö"Ôt,ì^ê—,íAfrf"fsf...[f^ä,ìŠeft[fU[,ªCEÂ•Ê,ÉŠÇ—,·,é,à,ì,Â,·B

,±,ìf{fbfNfX,É,íA□V,μ,ϕ□Š□Ý'n,đ“ü—í,μ,Ü,·□B

ŠÝ'n,î^ê—,ÉV,μ,ϕŠÝ'n,đ'Ç%Á,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

[ŠÝ'n] f{fbfNfX,Å'l'ð,μ,½ŠÝ'n,ðV,μ,çŠÝ'n,É'u,«Š·,!,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·B

,±,ìfRf“fsf...[]f^,ÅŽg—p,Å,«,éŠŸ'n,ì^ê—,ª•\Ž!,³,ê,Ü,·B

'l'đ,μ,½ŠŸ'n,đíœ,:é,Æ,«,ÉfNfŠfbfN,μ,Ü,:B

[f_fCf,,f<Žž,É•Â,ŕ,é] f`fFfbfN f{fbfNfX,đfif“,É,.,é,Æ□A“d~b’ (f_fCf,,f<fAfbfv flfbfgf□□[fN)
,Í_fCf,,f<’t,É,Í”ň•\Ž!,É,È,è□A□Ú’±,ªŠm—š,³,è,é,Æ•Â,ŕ,ç,è,Û,·□B

f_fCf,,f'0,ÉfXfNfŠfvfg,àf^[]f~fif<,àŽg,í,È,ç[]é[]#,Í[]A,±,ìf|fvfVf#f“,ð'!ð,μ,Û,·[]B

f_fCf,,f<'O,Éf^[]f~fjf< fEfBf"fhfE,ðŽg,æ[]ê[]#,í[]A,±,lfjfvfVf#f",ð'l'ð,μ,Û,·[]B
[]ufŠf.[]fg_f[]Of[]f",É RAS f^[]f~fjf<,ðŽg,æ[]v,ðŽQ[]Æ,μ,Ä,,¾,³,¢[]B

f_fCf,,f'0,ÉfXfNfŠfvfg,đŽg,ϣé□†,í□A,±,í|f|vfVf†f“,đ'í'đ,μ,Ü,·□B

f_fCf,,f' O,ÉŽg,xfXfNfŠfvg,đ'l'đ,μ,Ü,·B,±,±,É•\Ž!,³,ê,éXfNfŠfvg,íASWITCH.INF “à,É<Lq,³,ê,Ä,ç
,Ü,·BSWITCH.INF
,đ•ÒW,·,ê,ÎASù'¶,ìXfNfŠfvg,đC³,μ,½,èA□V,μ,çXfNfŠfvg,đì□,μ,½,è,Å,«,Ü,·B
□uSWITCH.INF fXfNfŠfvg,đŽg,Á,ÄŠf,□[fg f□Ofif“,đŽ©“®%o»,·,é□v,đŽQ□Æ,μ,Ä,,¾,³,ç□B

Šù'¶, ìfXfNfŠfvg, ðC³, µ, ½, èA V, µ, çfXfNfŠfvg, ðì¬, µ, ½, è, ·, é, ½, ß, É SWITCH.INF , ðŠJ, -
, Æ, «, ÉfNfŠfbfN, µ, Ü, ·B

SWITCH.INF ,đ•Ò□W,μ,½CEã□AfXfNfŠfvg,ì^ê—,đ□X□V,·,é,Æ,«,ÉfNfŠfbfN,μ,Û,·□B

,±,lf`fFfbfN f{fbfNfX,ðflf“,É,·,é,Æ□A[f_Cf,,f<•û-@] f{fbfNfX,ÅŽw`è,μ,½'•'u,ªŽg—p,Å,«,È,ç
,Æ,«,Í□A“~ ,ŋŽí—p,ì'•'u,ª□ú'±,³,è,Ä,ç,é,Û,©,lf|□[fg,ªŽg,í,ê,Û,·□B,½,Æ,í,î□A[f_Cf,,f<•û-@] f{fbfNfX,Å
[•W□€f,fff€ (COM1)] ,ð'í'ð,μ□A,±,lf`fFfbfN f{fbfNfX,ðflf“,É,μ,Ä,ç,½□ê□±□ACOM1 ,lf,fff€,ªŽg—
p't,ì,Æ,«,Í□AŽ©“®“l,É COM2 ,lf,fff€,ªŽg,í,ê,Û,·□B

•;□”,ì'•'u,ð□□¬,μ,Ä,ç,Ä□Ä□%o,ì'•'u,É%o½,©^Û□í,a, ,é□ê□±,Í□A,±,lf`fFfbfN f{fbfNfX,ðflft,É,·,é,ÆCE
`^ö,ð“È,«Ž~,ß,â,·,È,è,Û,·□B

RAS ,íAŽ ,”s,μ,½fŠf“fN,ìÄÚ’±,žž,Ý,Ä,č,Ü,·B,±,ì<@”\,ð•ïX,·,é,É,íAf_fCf,,f<fAfbfv
flfbfgf[]fN,ÅA[„,ì¼] ,ðNfŠfbfN,μ,Ä [ft[]fU[][]’è] ,ð’I’ð,μ,Ü,·BŽŸ,ÉA[f_fCf,,f<]
f^fu,ÅA[fšf“fNŽ ,”sžž,Éšf_fCf,,f<,·,é] f`fFfbfN f{fbfNfX,ðflft,É,μ,Ü,·B
 ,±,ì<@”\,³[]í,É“®[]i,·,é,É,íARAS ,ìf[]f_gf_fCf,,f<,žÄ[]s,³,è,Ä,č
,É,·,è,î,È,è,Ü,¹,ñBf[]f_gf_fCf,,f<,ð<N“® ,·,é,É,íAfRf“fgf[]f< fpflf<,ì [fT[]f_rfX]
fAfCfRf“ ,ðf_fuf<fNfŠfbfN,μA[Remote Access Autodial Manager]
,ðf_fuf<fNfŠfbfN,μ,Ü,·B[fXf^[]f_gfAfbfv,ìŽí—p] ,Å [Ž©“®] ,Ü,½,í [Žè“®] ,ð’I’ð,μA[OK]
,ðNfŠfbfN,μ,Ü,·BŽŸ,ÉA[fT[]f_rfX] f_fCfAf[]fO f{fbfNfX,Å [Š]žn] ,ðNfŠfbfN,μ,Ü,·B

,±,ìf`fFfbfN f{fbfNfX,ðfif“ ,É,·,é,Æ□A□Ú'±,ªŽ,“s,μ,½,Æ,« ,ÉfŠf_fCf,,f< ,·,é<@“\,ª—LCEø,É,È,è,Ü,·□B,±,ì<@“\ ,ª—LCEø,É,È,Á,Ä,ç,é,Æ□A□Ú'±,ªŽ,“s,μ,½,Æ,« ,É,ÍŽ©““®“l,É□Ä□Ú'±,ª,è,Ü,·□B,±,ì<@“\,Í□ARemote Access Autodial Manager fT□[frfX,ªŽÀ□s,ª,è,Ä,ç,é,Æ,« ,É,μ,©““®ì,μ,Ü,¹,ñ□B

Remote Access Autodial Manager fT□[frfX,ð<N““® ,·,é,É,Í□AfRf“fgf□□[f< fpjlf<,ì [fT□[frfX] fAfCfRf“ ,ðf_fuf<fNfŠfbfN,μ□A[Remote Access Autodial Manager]

,ðf_fuf<fNfŠfbfN,μ,Ü,·□B[fXf^□[fgfAfbfv,ìŽí—p] ,Å [Ž©““®] ,Ü,½,í [Žè““®] ,ð'l'ð,μ□A[OK]

,ðfNfŠfbfN,μ,Ü,·□BŽŸ,É□A[fT□[frfX] f_fCfAf□fO f{fbfNfX,Å [Š]Žn] ,ðfNfŠfbfN,μ,Ü,·□B

“ÁŽĚ,Èf_fCf,,f< flfvfVf†f”

1.Â,lfGf“fgfŠ,É•j□”,ì“d~b”Ô□t,ðŽg,⊘

□Ú“a”Ô□t,¨,æ,Ñ□Ú”ö”Ô□t,ðŽg,⊘

fƨf<fX f_fCf,,f< (%oň“lŽ@f_fCf,,f<)

fg□[f“ f_fCf,,f< (fvfbfVf...Ž@f_fCf,,f<)

“d~b”Ô□t,ì□C□üŽg

flfyfC□[f^,Ü,½,ÍŽè“@,É,æ,éf_fCf,,f<

fŠf_fCf,,f<,ì□Ý’è

1 ,Ä,lfGf“fgfŠ,É•i□”,ì“d~b”Ô□t,ðŽg,æ

f_fCf,,f<fAfbfv flfbfgf□□[fN,Ä,ÍŠefGf“fgfŠ,É•i□”,ì“d~b”Ô□t,ðŠ,,,è“-„Ä,é,±,Æ,ª,Ä,«„Ü,·□B,±
,é,í□A•i□”,ì“d~b”Ô□t,ª—p^Ó,³,è,Ä,ç,é□Ú’±□æ,É□Ú’±,·,é□ê□‡,É•Ö—~„Ä,·□B

fGf“fgfŠ,É 2 ,Ä-Ú^È□~,ì“d~b”Ô□t,ð’Ç%oÁ,·,é,É,Í

- 1 f_fCf,,f<fAfbfv flfbfgf□□[fN,ì [Šî-{} f^fu,Ä□A[„»„ì’¼] ,ðfNfŠfbfN,μ,Ü,·□B
- 2 [□V,μ,ç“d~b”Ô□t] f{fbfNfX,É□V,μ,ç“d~b”Ô□t,ð“ü—í,μ□A[’Ç%oÁ] ,ðfNfŠfbfN,μ,Ü,·□B
- 3 [“d~b”Ô□t] f{fbfNfX,Ä“d~b”Ô□t,ð’l’ð,μ,Ä,©,ç [□ä,Ö]□A[%o,Ö]□A[□í□œ] ,ì,ç,·,è,©,ðfNfŠfbfN,·,é,±
,Æ,É,æ,è□A’l’ð,μ,½“d~b”Ô□t,ð-Ú“l,ì^È’u,Ü,Ä^Ú“®„μ□A“d~b”Ô□t,ì□‡□~,ð•í□X,μ,Ü,·□Bf_fCf,,f<fAfbfv
flfbfgf□□[fN,í□A□Ú’±,ªŠm—š,³,è,é,Ü,Ä□A^è—,ì“d~b”Ô□t,ð□ä,©,ç□‡,Éf_fCf,,f<μ,Ü,·□B
- 4 [OK] ,ðfNfŠfbfN,μ,Ü,·□B

Ú“a”Ōt, ,æ,ŃÚ“ö”Ōt,žg,æ

f_fCf,,f<fAfbfv flfbfgf[fN, íAÚ“a”Ōt,âÚ“ö”Ōt,žg,æ,æ,É
- ,Ā,«,Ü,·BÚ“a”Ōt,ÆÚ“ö”Ōt,žg,æ,ÆAŠe“d~b’ fGf“fgfŠ,đ·íX,μ,È,,Ā,àA^èŽž“l,É,·,x,Ā,ì“d~b’ f
Gf“fgfŠ,ì“d~b”Ōt,ÉA‘l’đ,μ,½”Ōt,đ’Ç%Ā,·,é,±,Æ,ā,Ā,«,Ü,·BÚ“a”Ōt,ÆÚ“ö”Ōt,íA,fff€
,žg,Ā,Āf_fCf,,f<,³,è,é,·,x,Ā,ì“d~b’ fGf“fgfŠ,É“K—
p,³,è,Ü,·B,Ü,½AÚ“a”Ōt,ÆÚ“ö”Ōt,íA·;” ,ì“d~b”Ōt,žg,ĀfGf“fgfŠ,É,à“K—p,³,è,Ü,·B
,½,Æ,ì,îAŠŌü,É“d~b,·,é,É,í 8 ,đf_fCf,,f<,·,é“K—v,ì , ,ézfef<,É’ØÝ,μ,Ā,č,ĀA’Ē~b—z<à,ìžx·¥,č
,ÉfNfCEfWfbfg f[fh,žg,æè±,íA,±,lf_fCfA[fO f{fbfNfX,žg,Ā,Āzfef<,ìŠŌü”M”Ōt,Æ’<—É’Ē~b
—p,ìžsŠŌ<Ç”Ō,đÚ“a”Ōt,Æ,μ,Āžw’è,μA fNfCEfWfbfg
f[fh”Ōt,Æ^ĀØ”Ōt,đÚ“ö”Ōt,Æ,μ,Āžw’è,μ,Ü,·B

“ÁžêfR[fh

“d~b”Ōt,ì’Ō,Éf_fCf,,f<,·,é 0A9A, ,æ,Ń 8 ,íA%oižĐ,È,Ç,ì“d~bVfXfef€,Ā^è”É,É,æ,-
žg,í,é,éÚ“a”Ōt,Ā,·B
Ú“d~b,Ā,íA fVfXfef€,à—~—p,Ā,«,é<@”\,à,³,Ü,´,Ü,Ā,·B,»,ì¼,ì“ÁžêfR[fh,É,Ā,č,Ā,íACE_-ñ,μ,Ā,č
,é“d~b%oižĐ,â’<—É’Ē~b—p,ì’ÉM<ÆŽŌ,É-â,č±,í,¹,Ā,,¾,³,čB

“d~b’ fGf“fgfŠ,ÉÚ“a”Ōt,âÚ“ö”Ōt,đ’Ç%Ā,·,é,É,í

- 1 [f_fCf,,f<fAfbfv flfbfgf[fN] fEfBf“fhfE,ĀA[ŌŠÝ’n] ,đfNfŠfbfN,μ,Ü,·B
- 2 -Ú“l,ìÚ“a”Ōt,Ü,½,íÚ“ö”Ōt,đ,»,è,¼,è,ì^è—,©,ç‘l’đ,μ,Ü,·B^è—,É·\Ž!,³,è,Ā,č
,È,čÚ“a”Ōt,Ü,½,íÚ“ö”Ōt,đ’Ç%Ā,·,é,É,íA[Ú“a”Ōt,ì^è—] ,Ü,½,í [Ú“ö”Ōt,ì^è—]
,đfNfŠfbfN,μ,Ü,·B
- 3 [OK] ,đfNfŠfbfN,μ,Ü,·B

ŠŌ~A€-Ú

“d~b”Ōt,ìÚ“a”Ōt

“d~b”Ōt,ìÚ“ö”Ōt

“d~b”Ôt, ÌÚ“a”Ôt

Ú“a”Ôt, ðŽw'è, ., é, ÆA“d~b' fGf“fgfŠ, Ì“d~b”Ôt, Ìæ“a, É, » , Ì”Ôt, ð'Ç%Á, Å, «, Ü, .B

—~—p%Á“\, ÈÚ“a”Ôt, Ì^ê—, ÉÚ“a”Ôt, ð'Ç%Á, ., é, É, Í

- 1 [f_fCf,,f<fAfbfv flfbfgf[fN] fEfBf“fhfE, Ì [ŠÝ'n] , ðfNfŠfbfN, μ, Ü, .B
- 2 [ŠÝ'n, ÌÝ'è] f_fCfAfbfO f{fbfNfX, Ì [Ú“a”Ôt, Ì^ê—] , ðfNfŠfbfN, μ, Ü, .B
- 3 [V, μ, çÚ“a”Ôt] f{fbfNfX, ÉV, μ, çÚ“a”Ôt, ð“ü—Í, μ, Ü, .B
- 4 [‘Ç%Á] , ðfNfŠfbfN, μ, Ü, .B“ü—Í, μ, ½Ú“a”Ôt, a^ê—, É'Ç%Á, ³, è, Ü, .B[Ú“a”Ôt] f{fbfNfX, Å<'2•\ Ž!, ³, è, Ä, ç, éÚ“a”Ôt, ðV, μ, çÚ“a”Ôt, É'u, «Š, !, éêç, ÍA['uŠ] , ðfNfŠfbfN, μ, Ü, .B
- 5 [Ú“a”Ôt] f{fbfNfX, ÅÚ“a”Ôt, ð'Ì'ð, μ, Ä, ©, ç [ä, Ö]A[%º, Ö]A[íœ] , Ì, ç, ., é, ©, ðfNfŠfbfN, ., é, ± , Æ, É, æ, èA'Ì'ð, μ, ½Ú“a”Ôt, ð-Ú“Ì, Ì^ê'u, Ü, Å^Ú“® , μAÚ“a”Ôt, Ìç~ , ð•íX, μ, Ü, .B
- 6 [OK] , ðfNfŠfbfN, μ, Ü, .B

“d~b”ÔĤ,ÌŮ”ö”ÔĤ

Ů”ö”ÔĤ,ðžw'è,·,é,ÆŮA“d~b' fGf“fgfŠ,Ì“d~b”ÔĤ,ìĈě,ë,É,»,”ÔĤ,ð'Ç%Á,Å,«,Û,·ŮB

—~—p%Á”\,ÈŮ”ö”ÔĤ,Ì^ê—,ÉŮ”ö”ÔĤ,ð'Ç%Á,·,é,É,Í

- 1 [f_fCf,,f<fAfbfv flfbfgfŮŮ[fN] fEfBf“fhfE,Ì [ŮŠŮÝ'n] ,ðfNfŠfbfN,μ,Û,·ŮB
- 2 [ŮŠŮÝ'n,ÌŮÝ'è] f_fCfAfbfO f{fbfNfX,Ì [ŮŮ”ö”ÔĤ,Ì^ê—] ,ðfNfŠfbfN,μ,Û,·ŮB
- 3 [ŮV,μ,çŮŮ”ö”ÔĤ] f{fbfNfX,ÉŮV,μ,çŮŮ”ö”ÔĤ,ð“ü—Í,μ,Û,·ŮB
- 4 [‘Ç%Á] ,ðfNfŠfbfN,μ,Û,·ŮB“ü—Í,μ,½ŮŮ”ö”ÔĤ,ª^ê—,É'Ç%Á,³,ê,Û,·ŮB[ŮŮ”ö”ÔĤ] f{fbfNfX,Å<²·\ Ž!,³,ê,Ä,ç,éŮŮ”ö”ÔĤ,ðŮV,μ,çŮŮ”ö”ÔĤ,É'u,«Š·,!,éĈéĈ,ÍŮA[‘uŠ·] ,ðfNfŠfbfN,μ,Û,·ŮB
- 5 [ŮŮ”ö”ÔĤ] f{fbfNfX,ÅŮŮ”ö”ÔĤ,ð'Í'ð,μ,Ä,©,ç [Ůă,Ů]ŮA[%º,Ů]ŮA[ŮíŮœ] ,Ì,ç,,ê,©,ðfNfŠfbfN,·,é,± ,Æ,É,æ,èŮA'Í'ð,μ,½ŮŮ”ö”ÔĤ,ð-Ů“l,Ì^ê'u,Û,Å^Ů“® ,μŮAŮŮ”ö”ÔĤ,ìŮ#Ů~ ,ð·íŮX,μ,Û,·ŮB
- 6 [OK] ,ðfNfŠfbfN,μ,Û,·ŮB

fpf<fX f_fCf,,f< (%oň“]Ž@f_fCf,,f<)

f_vb_fVf...Ž@,lfg[f“ f_fCf,,f<,Åf_fCf,,f<,μ,Ä,ç,ÄA%oň“]Ž@,lfpf<fX
f_fCf,,f<,É∅,è'Ö,ì,é,É,íA“d~b”Ôt,lfpf<fX f_fCf,,f< (%oň“]Ž@f_fCf,,f<) ,đŠ]Žn,·,éêŠ,É "P"
,đ'“ü,μ,Û,·B

,½,Æ,ì,îAŽÿ,ì,æ,æ,È“d~b”Ôt,đŽw'è,μ,½,Æ,μ,Û,·B

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,±,îê#Af_fCf,,f<Afbfv flfbfgf[fN,íA555-5678 ,đf_fCf,,f<,μ,Ä,©,çpf<fX f,[]fh (%oň“]Ž@f,[]fh)
,É∅,è'Ö,ìAŽÿ,Éfpf<fX f_fCf,,f< (%oň“]Ž@f_fCf,,f<) ,Å 555-1234 ,đf_fCf,,f<,μ,Û,·B

ŠÖ~A€-Ú

fg[f“ f_fCf,,f< (fvfb_fVf...Ž@f_fCf,,f<)

fg[]f“ f_fCf,,f< (fvfbfVf...Ž@f_fCf,,f<)

%oň“]Ž@,lfpf<fX f_fCf,,f<,Áf_fCf,,f<,μ,Ä,ϕ,Ä[]AfvfbfVf...Ž@,lfg[]f“

f_fCf,,f<,É[]Ø,è'Ö,ì,é,É,í[]A“d~b”Ô[]t,lfg[]f“ f_fCf,,f< (fvfbfVf...Ž@f_fCf,,f<) ,đŠ]Žn,,é[]é[]Š,É "T"
,đ'~“ü,μ,Ü,·[]B

,½,Æ,ì,î[]AZÿ,ì,æ,α,È“d~b”Ô[]t,đŽw'è,μ,½,Æ,μ,Ü,·[]B

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,±,ì[]é[]#[]Af_fCf,,f<fAfbfv flfbfgf[][]fN,í[]A555-5678 ,đf_fCf,,f<,μ,Ä,©,çfg[]f“ f,[]fh (fvfbfVf...Ž@f,[]fh)

,É[]Ø,è'Ö,ì[]AZÿ,Éfg[]f“ f_fCf,,f< (fvfbfVf...Ž@f_fCf,,f<) ,Ä 555-1234 ,đf_fCf,,f<,μ,Ü,·[]B

ŠÖ~A[]€-Ú

fpf<fX f_fCf,,f< (%oň“]Ž@f_fCf,,f<)

“d~b”Ôt,ìCüŽq

•ŕŽš	<@”\
, (ff“f})	^êžž’âž~ ,μ,Ä, ©, ç (, Û, Æ, ñ, Ç, ìf, fff€, ìê# , íA2 •bŠÓ) Af_fCf,,f<, ð’±s, μ, Û, ·B
@	□, È, , Æ, à 1 %oñ, ìCEÄ, Ñ□o, μ %o¹, Æ□A□” •bŠÓ, ì-³ %o¹□ó’Ö, ð’Ö, ÿ, Û, ·B
P	fg□lf“ f_fCf,,f< (fvfbfVf...Ž®) , ©, çpf<fX f_fCf,,f< (%oñ“]Ž®) , É□Ø, è’Ö, ì, Û, ·B
T	fpf<fX f_fCf,,f< (%oñ“]Ž®) , ©, çg□lf“ f_fCf,,f< (fvfbfVf... Ž®) , É□Ø, è’Ö, ì, Û, ·B
W	f_fCf,,f< fg□lf“ , ð’Ö, Á, Ä, ©, ç’±s, μ, Û, · (2400bps ^É□ã, ì’É□M’-“x, ìf, fff€—p)□B

, ½, Æ, ì, ì□Afzfef<, ì•”%o® , ©, çf_fCf,,f< , .é□ê# , íAŠO□ü, É, ©, -, é, ½, ß, É“d~b”Ôt, ì’O, É 9 , ð’Ç
%oÁ, μ, È, -, è, Ì, È, ç, È, ç, ±, Æ, ð, , è, Û, ·B, ±, ìê#□A”Ôt, ÌŽÿ, ì, æ, x, É, È, è, Û, ·B

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, ±, ì, æ, x, ÉŽw’è, ·, é, Æ□A9 , ìCEã, è, ìfj“f}, ì•”•ª, ÅŠO□ü”□M, Å, «, é□ó’Ö, É, È, é, Û, Å□\
•ª, É’Ö, Á, Ä, ©, ç□AŽc, è, ì”Ôt, ìf_fCf,,f<, ð’±s, μ, Û, ·B

f1fyfCE[f^,Ü,½,íŽè“@,É,æ,éf_fCf,,f<

,±,ì<@“\,ðŽg,æ,ÆAf1fyfCE[f^,æ€ì,·,éCEðŠ·‘ä,ð%ôi,µ,½CEÄ,Ño,µ,ðs,æ,È,ÇAf_fCf,,f<fAfbfv
flfbfgf[fN,l_fCf,,f<<@“\,ðŽg,í,,ÉAŽè“@,Åf_fCf,,f<,·,é,±,Æ,ª,Ä,«,Ü,·B

f1fyfCE[f^,ð%ôi,µ,½f_fCf,,f<,âŽè“@f_fCf,,f<,ðs,æ,É,í

- 1 f_fCf,,f<fAfbfv flfbfgf[fN,ÅAf_fCf,,f<,·,é“d~b' fGf“fgfŠ,ð'í'ð,µA[,»,ì'¼] ,ðfNfŠfbfN,µ,Ü,·B
- 2 [f1fyfCE[f^,Ü,½,íŽè“@,É,æ,éf_fCf,,f<] ,ðfNfŠfbfN,µA[f_fCf,,f<] ,ðfNfŠfbfN,µ,Ü,·B,µ,Ü,·B
[,»,ì'¼] fffj...[l,ì [f1fyfCE[f^,Ü,½,íŽè“@,É,æ,éf_fCf,,f<] ,Éf`fFfbfN f}[fN,ª•t,ç,Ä,ç
,éê±,¾,~A[f1fyfCE[f^CEo—R,Ü,½,íŽè“@CEÄ,Ño,µ] f_fCfAfo f{fbfNfX,ª•\Ž,³,è,Ü,·B
- 3 “d~b,íŽó~bŠí,ðŽæ,èä,°A”Ôt,ðf_fCf,,f<,·,é,©Af1fyfCE[f^,Éf_fCf,,f<,·,é,æ,æ,É^È—Š,µ,Ü,·B
,±,ì,Æ,«A”Ôt,ª,í,©,è,â,·,ç,æ,æ,ÉAfGf“fgfŠ,ÉŠ,,è“-,Ä,ç,è,Ä,ç,é”Ôt,ªf_fCfAfo f{fbfNfX,É•\
Ž,³,è,Ä,ç,Ü,·B
- 4 f_fCf,,f<,ªŠ@—¹,µ,½,çA,·,®,É [OK] ,ðfNfŠfbfN,µ,Ü,·B
- 5 f,fff€,ª%ñü,ð§CEä,·,éó'Ô,É,È,Á,½,çŽó~bŠí,ð'u,«,Ü,·B'Éí,íA-³%¹ó'Ô,É,È,Á,½,çAf,fff€,ª
%ñü,ð§CEä,µŽn,ß,½,Æ”»f,Ä,«,Ü,·B
,ç,ì,æ,æ,Èê±,Ä,àAf_fCf,,f<fAfbfv flfbfgf[fN,É,æ,éft[fU[-
¼,ÆfpfXf[fh,ìŠm”F,ªŠ)Žn,³,è,Ä,©,çŽó~bŠí,ð'u,~,î^À'S,Ä,·B

fŠf_fCf,,f<,lŸ'è

,±,ì<@“\,ðŽg,æ,Æ□A'ì'ð,μ,½fGf“fgfŠ,Ö,ì□Ú'±,ªŽ, ”s,μ,½,Æ,«,É□Af_fCf,,f<fAfbfv
flfbfgf□□[fN,ªŽ©“@“l,ÉfŠf_fCf,,f<,·,é%ñ□”,ðĈ^'è,Ā,«,Û,·□B

Ž©“@fŠf_fCf,,f<<@“\,ðflf“,É,·,é,É,í

- 1 f_fCf,,f<fAfbfv flfbfgf□□[fN,ì [,»,ì'¼], ðfNfŠfbfN,μ□A[ft□[fU□[Ÿ'è] ,ðfNfŠfbfN,μ,Û,·□B
- 2 [f_fCf,,f<] f^fu,ì [fŠf_fCf,,f<,l%ñ□”] f{fbfNfX,Ā□A'ì'ð,μ,½fGf“fgfŠ,Ö,ìf_fCf,,f<,Ā□Ú'±
,ÉŽ, ”s,μ,½,Æ,«,ÉŽ©“@fŠf_fCf,,f<,·,é%ñ□”,ð'ì'ð,μ,Û,·□B
- 3 [fŠf_fCf,,f<,lŠÔŠu] f{fbfNfX,Ā□A□Ú'±
,lŽŽ□s,ÉŽ, ”s,μ,Ā,©,çŽŸ,ìf_fCf,,f<,ðŠJŽn,·,é,Û,Ā,ì•b□”,ð'ì'ð,μ,Û,·□B'É□M'•'u,í□A,±
,ì'áz~ŽžŠÖ,ìŠÖ,É□AfŠf_fCf,,f<,ì,½,β,ÉŽ©ĈÈfŠfZfbfg,μ,Û,·□BŠù'è'l,í□A15 •b,Ā,·□B,±,é,Ā,í•s□
•ª,É□è□‡,í□AŸ'è'l,ð'á,«,μ,Ā,,¾,¾,ç□B,Û,½□A,à,Ā,Æ'Z,ç□Ÿ'è'l,É,·,é,±,Æ,à,Ā,«,Û,·□B,½,¾,μ□A,±
,ì'áz~ŽžŠÖ,ð'Z,·,é,Æ□A'É□M'•'u,ªŽ©ĈÈfŠfZfbfg,·,éŽžŠÖ,ðŠm•Û,Ā,«,È,,È,é%Ā”\□«,ª, ,è,Û,·□B
- 4 [□Ø'f,·,é,Û,Ā,ì'Ò,;ŽžŠÖ] f{fbfNfX,Ā□A%½,à□^—□,ª□s,í,é,È,ç□ó'Ô,ì,Æ,«,É□Ú'±
,ð□Ø'f,·,é,Û,Ā,ìŽžŠÖ,ðŽw'è,μ,Û,·□B,½,¾,μ□Af_fCf,,f<fAfbfv ft□[fo□[,ì•ù,É,à□Ú'±
,ð□Ø'f,·,é,Ÿ^fCf}□[,ªŸ'è,¾,è,Ā,ç,Û,·□B,±,ì,½,β□A,±,±,É'á,«,çf^fCf€fAfEfg'l,ðŸ'è,μ,Ā,ç
,½,Æ,μ,Ā,à□AŸ'è,μ,½ŽžŠÖ,ªĈo%β,·,é,Û,Ā,í□Ú'±,ª□Ø'f,¾,è,ç,Æ,íĈĀ,è,Û,¹,ñ□B,±,±
,ÉŸ'è,μ,½ŽžŠÖ,ªĈo%β,·,é'Ö,É□Aft□[fo□[,ì•ù,Āf^fCf€fAfEfg,ª”□¶,μ□Aft□[fo□[.©,ç□Ú'±,ð□Ø'f,¾,è,é
%Ā”\□«,à, ,é,©,ç,Ā,·□B
- 5 '€□,ð□—¹,μ,½,ç□A[OK] ,ðfNfŠfbfN,μ,Û,·□B

fGf“fgfŠ, Ì’Ç%ÁA•ÒWPA•i□» , ð□s, x

- f_fCf,,f<fAbfv flfbfgf□□[fN,Á□AZÿ,ì,ç,,é,©,ì’€□],ð□s,ç,Û,·□B
- “d~b’ ,ÉfGf“fgfŠ,ð’Ç%Á,·,é□é□#,í□A[□V<K] ,ðfNfŠfbfN,μ,Û,·□B
- “d~b’ fGf“fgfŠ,ð□C□³,·,é□é□#,í□A[„,ì’¼] ,ðfNfŠfbfN,μ,Û,·□B
- Šù’¶,lfGf“fgfŠ,ðfRfs□[μ,Á□V,μ,çfGf“fgfŠ,ð□□¬,·,é□é□#,í□A[„,ì’¼] ,ðfNfŠfbfN,μ□A[fGf“fgfŠ,Æf,fff€,lfvf□pfefB,ì•i□»] ,ðfNfŠfbfN,μ,Û,·□B

ISDN ,ì“d~b”Ô□†

ISDN %oňü,ð%ô,μ,Á□Ú’±,μ□A•i□” ,lf`ffff<,ðŽg, x, ±, Æ, ð—
 v<□,·,é□é□#,í□AŠef`ffff<,ì“d~b”Ô□†,ðŽw’è,μ,È,¬,ê,î,È,è,Û,¹,ñ□B,½,Æ,ì,í□A3 f`ffff<Žg, x, ±, Æ, ð—
 v<□,·,é□é□#,í□A“d~b”Ô□†,ð 3 ,ÁŽw’è,μ,È,¬,ê,î,È,è,Û,¹,ñ
 (Še”Ô□†,í□Axfxy□[fX,ð“ü,è,,ÉfRf□f“,Á<æ□ø,è,Û,·)□B’Ê□í,lfGf“fgfŠ,ð’Ç
 %oÁ□A•ÒWPA,Û,½,í•i□»,·,é,Æ,«,Æ“¬,¶,æ, x,É□A[Ši-{] f^fu,ì [“d~b”Ô□†]
 f{fbfNfX,É“d~b”Ô□†,ð’}“ü,μ,Á,,¾,¾,ç□BŽÿ,É—á,ðŽì,μ,Û,·□B

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4 f`ffff<,ðŽg,Á,½□Ú’±,ð—v<□,·,é□é□#,í□A“d~b”Ô□†,ð 4 ,ÁŽw’è,μ,Û,·□BŽÿ,É—á,ðŽì,μ,Û,·□B

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’□ Žw’è,μ,½“d~b”Ô□†,æ,è,à’½,,lf`ffff<,ª ,é□é□#,í□A□ÁÇä,ì”Ô□†,ðŽg,Á,Ä—]•ª,Éf`ffff<,Á,ì□Ú’±
 ,ªŽŽ,Ý,ç,è,Û,·□B’Ê□í□AISDN %oňü,í 1 %oňü,Á 2 ,Á,lf`ffff<,ðfTf|□[fg,μ,Á,ç,é,ì,Á□A1
 ,Á,ì“d~b”Ô□†,Á 2 ,Á,lf`ffff<,ðÇÄ,Ñ□o,·,±,Æ,ª,Á,«,Û,·□B,½,¾,μ□AISDN “d~b
 %oĩŽÐ,É,æ,Á,Ä,í□AŠef`ffff<,ÉÇÄ—L,ì“d~b”Ô□†,ðŠ,,,è“¬,Ä,È,¬,ê,î,È,ç,È,ç□é□#,à ,è,Û,·□BÇE_—
 ñ,μ,Á,ç,é ISDN <ÆŽÒ,É—â,ç□#,í,¹,Ä,,¾,¾,ç□B

ŠÖ~A□€-Ú

“d~b”Ô□†,ì□C□üŽq

f_fCf,,f<fAfbfv flfbfgf□□[fN,đÄ□□¬,.,é

f,fff€,,đ•ï□X,μ,½,è□A'•'u,đ'Ç%Á,μ,½,è□A,Ù,©,lfVfŠfAf< f□[fg,àf_fCf,,f<fAfbfv flfbfgf□□[fN,Á—~—
p,Ä,«,é,æ,æ,É□□¬,.,é□é□#,í□AfŠf,□[fg fAfNfZfX fT□[frfX,đÄ□□¬,.,é•K—v,è, ,è,Ü,·□B

- 1 □V,μ,ç'•'u,đfCf"fxfg□[f<,μ□AfRf"fsf...□[f^,đÄ<N" @,μ,Ü,·□B
- 2 Windows NT ,lfRf"fgf□□[f< fpflf<,Á□A[flfbfgf□□[fN] fAfCfRf",đf_fuf<fNfŠfbfN,μ,Ü,·□B
- 3 [fT□[frfX] f^fu,Á□A[šf,□[fg fAfNfZfX fT□[frfX] ,đ'í'đ,μ□A[fvf□pfefB] ,đfNfŠfbfN,μ,Ü,·□B
- 4 šf,□[fg fAfNfZfX—p,É□V,μ,çf□[fg,đ□□¬,.,é□é□#,í□A['Ç%Á] ,đfNfŠfbfN,μ,Ü,·□B
- 5 [šf,□[fg fAfNfZfX fZfbfgfAfbfv] f_fCfAf□fO f{fbfNfX,Á□A□V,μ,ç'•'u—p,É□□¬,.,éf□[fg,đ'í'đ,μ□A[□□¬] ,đfNfŠfbfN,μ,Ü,·□B
- 6 [f□[fgŽg—p,ì□□¬] f_fCfAf□fO f{fbfNfX,Á□A[šf,,f<fAfEfg,ì,Ý]□A['...□M,ì,Ý]□A,Ü,½,í [f_fCf,,f<fAfEfg,Æ'...□M] ,ì,ç, ,é,©,đ'í'đ,μ,Ü,·□B
- 7 [OK] ,đfNfŠfbfN,μ□A[šf,□[fg fAfNfZfX fZfbfgfAfbfv] f_fCfAf□fO f{fbfNfX,ì ['±□s] ,đfNfŠfbfN,μ,Ü,·□B
- 8 [flfbfgf□□[fN] f_fCfAf□fO f{fbfNfX,ì [OK] ,đfNfŠfbfN,μ□AfRf"fsf...□[f^,đÄ<N" @,μ,Ü,·□B

fjfbfgf[]fN fv[]fgfRf<,iY'è

fjfbfgf[]fN fv[]fgfRf<,íA,ç,Á,½,ñ RAS fT[]fo[][,Æ,ìÚ'±,ªSm—§,³,è,½CEã[]ALAN
[]ä,ìŠeŽífT[]fo[][,Æ,ì'É[]M,ÉŽg,í,é,éfv[]fgfRf<,Á,·[]B,Ç,lfv[]fgfRf<,ð'í'ð,·,é,í,æ,ç
,©,í,©,ç,È,çê[]±,í[]Aflfbfgf[]fNŠÇ—[]ŽÒ,É-à,ç[]±,í,¹,Ä,,³/4,³,ç[]B

PPP ,í[]Af_fCf,,f<fAfbfv fjfbfgf[]fN,ÉŽg,í,é,é•W[]€“í,È WAN fv[]fgfRf<,Á,·[]BPPP fv[]fgfRf<,ðŽg,ª
,Æ[]AfjCfefBfu,ì TCP/IP fAfvfŠfP[]fVf#“[]AIPX fAfvfŠfP[]fVf#“[]A,“,æ,Ñ NetBEUI
fAfvfŠfP[]fVf#“,ðŽÀ[]s,Á,«,Ü,·[]BSLIP ,íCEÄ,ç<KŠi,Á,·[]Bf_fCf,,f<fAfbfv fjfbfgf[]fN fNf
%ofCfAf“fg,Á,í[]ASLIP fT[]fo[][,É,à[]Ú'±,Á,«,é,æ,ª,É[]ASLIP fv[]fgfRf<,à'ñ<Y',³,è,Ä,ç,Ü,·[]B

fjfbfgf[]fN fv[]fgfRf<,ð'í'ð,·,é,É,í

- 1 f_fCf,,f<fAfbfv fjfbfgf[]fN,ì [fT[]fo[][] f^fu,Á[]Af_fCf,,f<[]æ,Æ,·,é_fCf,,f<fAfbfv fT[]fo[][,ìŽí—
p,ð'í'ð,µ,Ü,·[]B[]Ú'±[]æ,ìfT[]fo[][,ìŽí—p,ª,í,©,ç,È,çê[]±,í[]A[PPP] ,ð'í,ñ,Á,,³/4,³,ç[]BSLIP
fT[]fo[][,ðCEÄ,Ñ[]o,·[]ê[]±,í[]A[SLIP] ,ð'í,Ñ,Ü,·[]B<[]Efo[]fWf#“,ì Microsoft RAS (Windows NT 3.1 ,“,æ,Ñ
LAN Manager) ,ÁŽg,í,é,Ä,ç,½ Microsoft RAS fv[]fgfRf<,ðŽg,ª•K—v,ª, ,é[]ê[]±,í[]A[RAS] ,ð'í,ñ,Á,
,³/4,³,ç[]B
- 2 [fjfbfgf[]fN fv[]fgfRf<] ,Á[]ATCP/IP[]AIPX[]A,Ü,½,í NetBEUI ,ð'í'ð,µ,Ü,·[]B
- 3 PPP ,Ü,½,í SLIP ,Á TCP/IP ,ðŽg,ª[]ê[]±,í[]AŽ©•ª,ÁŽw'è,µ,½ IP fAfhf[]Efx,ðŽg,ª,æ,ª,ÉŽw'è,·,é,±
,Æ,à,Á,«,Ü,·[]B,±,é,ð[]s,ª,É,í[]A[TCP/IP] ,ìY'è) ,ðfNfŠfbfN,µ,Ü,·[]B
- 4 f\ftfgfEfffA,É,æ,éff[]f^³[]k,ð—LCEø,É,·,é,É,í[]A[f\ftfgfEfffA,É,æ,é³[]k,ð[]s,ª] f`fffbfN
f{fbfNfx,ðflf“ ,É,µ,Ü,·[]B
- 5 PPP ,ì[]V<@“\,ð—LCEø,É,·,é,É,í[]A[PPP LCP Šg'£,ðŽg,ª] f`fffbfN f{fbfNfx,ðflf“ ,É,µ,Ü,·[]B,±
,è,ç,ìŠg'£<@“\,í[]ACEÄ,ç PPP f\ftfgfEfffA,ðŽg,Á,Ä,ç,éft[]fo[][,ðCEÄ,Ñ[]o,µ,½,Æ,«,É,í-à'è,ð“[]¶,³,¹,éCE
´^ö,Æ,É,é[]ê[]±,ª, ,è,Ü,·[]BCEp'±,µ,Ä-à'è,ª“[]¶,·,é[]ê[]±,ì,Y[]A[PPP LCP Šg'£,ðŽg,ª] f`fffbfN
f{fbfNfx,ðflft,É,µ,Ä,,³/4,³,ç[]B
,±,ìf`fffbfN f{fbfNfx,ðflft,É,·,é,Æ[]ALCP ,í[]A PPP ,ì LCP f\fsfvfG[]fVf#“ ,É,“, ,é Time-Remaining
fpfPfbfg,Æ Identification fpfPfbfg,ì'—[]M[]A,“,æ,ÑfR[]f<fofbfN—v<[],ð[]s,í,È,,È,è,Ü,·[]B

,æ,□q,Ě,ç,ê,éŽž-â,Æ,»,ì%oň“š

1. Žg—p,μ,Ä,ç,éf,fff€,âf_fCf,,f<fAfbfv flfbfgf□□fN,Ā,Í<@”\,μ,Û,¹,ň□B,È,^o,Ā,·,© ? %oň“š

2. fT□[fo□[,É□Ú'±,Ā,«,Û,¹,ň□B,È,^o,Ā,·,© ? %oň“š

3. □Ú'±,μ,æ,κ,Æ,μ,½,Æ,±,ë□AfT□[fo□[,^a%ž“š,μ,È,ç,Æ,ç,κf□fbfZ□[fW,^a•\Ž|,³,ê,Û,μ,½□B,Ç,κ,·,ê,Î□Ú'±,Ā,«,Û,·,© ? %oň“š

4. f,fff€,ì'É□M'—“x (bps) ,^a•K, Žw'è,μ,½'—“x,æ,è,à'á'—,É,È,è,Û,·□B,È,^o,Ā,·,© ? %oň“š

5. flfbfgf□□fN□ã,ìfT□[fo□[,Æ,ìfZfbfVf†f“,^a□Ø'f,³,ê,½,Û,Û,Ā,·□B,Ç,κ,·,ê,ÎfZfbfVf†f“,ðŠm—š,Ā,«,Û,·,© ? %oň“š

6. ^Û□í□Ø'f,³,ê,½□ê±,Í□A,Ç,κ,·,ê,Î,æ,ç,Ā,·,© ? %oň“š

7. □Ú'±,μ,æ,κ,Æ,·,é,Æfn□[fhfEfffA fGf%o□[,^a“□¶,μ,Û,·□B,È,^o,Ā,·,© ? %oň“š

wWindows NT fn [fhfEjFfACEÝŠ·«fŠXfgx,ÂACEÝŠ·«,ì, ,éf,fff€,ì^ê—,ð'²,x,Ä,,¾,¾,çB

Žg—p,μ,Ä,ç,éf,fff€,ª,±,ì^ê—,É, ,éêê±,íAf,fff€,ª³,μ,çf [[fg,É³í,ÉÚ'±,¾,ê,Ä,ç,é,©,Ç,æ
,©,ðŠm" F,μ,Ä,,¾,¾,çB

Žg—p,μ,Ä,ç,éf,fff€,ª,±,ì^ê—,É,É,çêê±,íAMODEM.INF ftf@fCf<,É,» ,íf,fff€—p,ífZfNfVfþf“ ,ð'Ç
%oÁ,μ,È, ,ê,î,È,è,Ü,¹,ñB

MODEM.INF ,ÉV,μ,çZfNfVfþf“ ,ð'Ç%oÁ, ,é,É,Í

1. MODEM.INF ,ìfofbfNfAfbfv,ðŽæ,è,Ü,·B
2. ftf@fCf<"à,ÉŠù,É<Lq,¾,ê,Ä,ç,éfZfNfVfþf“ ,ì,Ç,ê,©,ðfRfs [,μAftf@fCf<,ìÅCEã,É'Ç%oÁ,μ,Ü,·B
3. fZfNfVfþf“ -¾,ðŽg—p,μ,Ä,ç,éf,fff€,ì-¾'O,É•íX,μ,Ü,·B
4. f,fff€,ìf}ffj...fAf<,ðŽQAE,μ,È,ª,çC³,ð%oÁ,ì,Ü,·B
5. %o½,©-â'è,ª, ,éêê±,íAf,fff€,ì»'çCE³,É-â,ç±,í,¹,Ä,,¾,¾,çB

fŠf, [fg fAfNfZfX fT [fo [, aŽA s, 3, e, A, c, E, c % o A " \ < , a, , e, U, - B f v f x f e f e Š C - Ž O, E -
â, c †, í, 1, A AfT [fo [, aŽA s, 3, e, A, c, e, ©, Ç, x, ©, Šm " F, μ, A, , 3/4, 3, c BfT [fo [, a' â Ž ~, μ, A, c
, é ê †, í A Š C - Ž O, a f g f % o [f f o, A Š A, f f o, Š ' 2, x AfT [f r f X, a' â Ž ~, μ, 1/2 - -
R, Š ' 2, x, A, ©, ç AfT [f r f X, Š A Š J, μ, È, -, e, í, È, è, Ü, 1, ñ BfT [f r f X, aŽA s, 3, e, A, c, é ê †, í A Š C -
Ž O, í A, U, ©, í Š f, [fg f [f N f X f e [f v f † f " , a 3 í, É U ' ±, A, «, A, c, é, ©, Ç, x
, ©, Š ' 2, x, È, -, e, í, È, è, Ü, 1, ñ B, U, ©, í f N f % o f C f A f " f g, a U ' ±, A, «, A, c, é ê †, í A, ±, í f N f % o f C f A f " f g
f [f N f X f e [f v f † f " , É C E A - L, ì - â ' è, a, , é, A Ž v, í, è, Ü, - B

- fT [fo [, aŽA s, 3, e, A, c, é ê †, í A Ž Ÿ, ì, æ, x, É C E ^ ö, a [, í, ç, è, Ü, - B
- — L C E Ø, É f t [f U [f A f f E f " f g, Ü, 1/2, í Š f, [fg f AfNfZfX, ì < - % o A, a, , è, Ü, 1, ñ B
 - f f C f, , f < , μ, 1/2 " Ó †, a Š Ó ^ á, A, A, c, é, © A, Ü, 1/2, í f f C f, , f < , μ, 1/2 " Ó †, í [3, μ, c, -, e, Ç, à A 9 , È, Ç, Ì Š O ü " -
M " Ó †, Š f f C f, , f < , μ - Y, è, A, c, Ü, μ, 1/2 B
 - Ž g - p, μ, A, c, é f, f f f € , í AfT [fo [, í f, f f f € , A f f f S f v f g [f v f † f " , A, «, Ü, 1, ñ B f N f
% o f C f A f " f g, A f T [fo [, A " , ¶ < @ Ž í, í f, f f f € , Š Ž g, A, A, Y, A A - â ' è, a % o Š C E ^ , , é, ©, Ç, x, ©, Š ' 2, x, A, , 3/4, 3, c B
 - f, f f f € , í P [f u f < , É - â ' è, a, , è, Ü, - B " A, É A ' 1/2, , í f } f E f X, É • t ' ©, μ, A, c, é 9 f s f " , ©, ç 25
f s f " , Ö, Ì • Í Š • Sí, í Ž g, í, È, c, æ, x, É, μ, A, , 3/4, 3, c B, ±, è, ç, Ì • Í Š • Sí, Ì ' t, É, í Af, f f f € M †, Š " ' - , μ, È, c, à, ì, à, , è, Ü, - B Š m Ž A
, É % o ^ - p, A, «, é, æ, x, É A • Í Š • Sí, í A, ±, ì - p " r é - p, É » ' c, 3, è, 1/2, à, ì, Š Ž g, A, A, , 3/4, 3, c B u f P [f u f < , Ì -
v C E [v, Š Ž Q A E, μ, A, , 3/4, 3, c B
 - " d ~ b % o ñ ü (, 1/2, A, í, í Af z f e f < , ì " % o @ , É, c, é ê †, È, Ç) , a A Ž g - p, μ, A, c, é f, f f f € , Ì É M ' - " x, É ' í
% o Ž, A, «, A, c, Ü, 1, ñ B ' É M ' - " x, Š % o 9 , °, é, © A ' 1/4 ü Š O ü, É U ' ±, μ, A, , 3/4, 3, c B
 - Ü, A, È, ñ, Ç, í f, f f f € , í Af Af í f f o, Ì " d ~ b % o ñ ü, A, μ, © < @ " \, μ, Ü, 1, ñ B Af í f f o, Ì " d ~ b % o ñ ü, Š Ž g, A, A, c
, é, ©, Ç, x, ©, Š m " F, μ, A, , 3/4, 3, c B, Ü, 1/2, í A f f f W f ^ f < " d ~ b % o ñ ü, Š Ž g, A, A, c, é ê †, í AfT [fo [, A f N f
% o f C f A f " f g, Ì - 1/4 • ù, A f f f W f ^ f < f, f f f € , Š Ž g, A, A, c, é, ±, A, Š m " F, μ, A, , 3/4, 3, c B

ŽŸ, ï, æ, ɣ, ÈĈĖĤ, ö, ã, Ì, ç, ê, Ü, ð

- Žg—p, μ, Ä, ç, é, f, fff€, ã, A, '—'ÉĈM, Å, ÍT[fó, Ì, Ì, fff€, ÆĈĖŸ·Ĉ, ã, , è, Ü, ð, ñ
- “d~b%oñü, ÉĈĤ“d<C, È, æ, éfmfCfY, ã, ½, , , , , Å, A, f, fff€, ã, , ç'ÉĈM'—“x, Å, Ú'±, Å, <, Ü, ð, ñ
- fNf%ofCfAf“fg, ÆfT[fó, Ì, Š, È%o½, ç, ©, ÌĈĖŸ·<@, ã, , è, A, »; Ì, ½, ß, f, fff€, ã, , ç'ÉĈM'—“x, Å, Í, S, V, f, G, Ì, f, V, f, f, Å, <, Ü, ð, ñ

ŽŸ,ì,ç,,ê,©,ì'í^•û-@,ðžž,μ,Ä,,¾,¾,ç□B

- f,fff€, ,æ,Ñ“d~b%oň□ü,³□³í,É<@“\,μ,Ä,ç,é,©,Ç,κ,©,ðŠm“F,μ,Ä,,¾,¾,ç□B“d~b%oň□ü,É, ,Ü,è,É'½,-,ìfmfCfY,ª“□□,μ,Ä,ç,é,Æ□AfZfbfVf#f“,Éž,“s,·,é□è□#ª, ,è,Ü,·□B[f□[fg,ì□ó'Ô] f_fCfAf□fO f{fbfNfX,ð•\ Ž|,·,é,Æ□A,±,ì,æ,κ,É□ó<μ,ª“□□,μ,Ä,ç,é,©,Ç,κ,©,ðŠm“F,·,é,±,Æ,ª,Ä,«,Ü,·□B,à,κ^è“xf_fCf,,f<,μ,Ä,,¾,¾,ç□B
- □Ü'±□æ,ìfT□[fo□[,ª³□í,ÉžÄ□s,³,è,Ä,ç,é,©,Ç,κ,©,ðŠÇ—□ŽO,É-à,ç□#,í,¹,Ä,-,¾,¾,ç□B,Ü,©,ìf□□[fNfXfe□[fVf#f“,Ä,à“~,□,æ,κ,É-â'è,ª“□□,μ,Ä,ç,é□è□#,ì□AfT□[fo□[,ìfAfvfŠfP□[fVf#f“,©fn□[fhfEfFfA,É-â'è,ª“□□,μ,Ä,ç,é%oÄ“\□«ª, ,è,Ü,·□B,»κ,Ä,É,ç□è□#,ì□A,±,ìf□□[fNfXfe□[fVf#f“,ÉCEÄ—L,ì-â'èª, ,è,Ü,·□B
- ŠÇ—□ŽO,É^È—Š,μ,Ä□AfŠf,□[fg fAfNfZfX fT□[fo□[,Æ-Ú“l,ìfT□[fo□[,ìŠÔ,ª•“—□“l,ÉŠmžÀ,É□Ú'±,¾,è,Ä,ç,é,±,ðŠm“F,μ,Ä,à,ç,Ä,Ä,,¾,¾,ç□B

ŽŸ, ì, ç, , ê, ©, Ì, Í, Î, Ï, Ñ, Ò, Ó, Ô, Õ, Ö, ×, Æ, , ¾, ³, ç, □, B

- “d~b%ñü,ÉfLfffbf`fzf“<@\,ª, ,é,©,Ç,æ,©,ð¹²,×,Ä,,¾,³,ç□BfLfffbf`fzf“<@\,ª, ,é□é□#,Í□A,»ê,ð-³CEø,É,µ,Ä,,¾,³,ç□BfLfffbf`fzf“<@\,ð-³CEø,É,·,é•û-@,É,Ä,ç,Ä,Í□ACE_-ñ,µ,Ä,ç,é“d~b%öiŽĐ,É-â,ç□#,í,¹,Ä,-¾,³,ç□B
- ,à,æ^è“xf_fCf,,f<,µ,Ä,,¾,³,ç□B%½,à□^—□,ð□s,í,È,ç,Û,Û^è’èŽžŠÔ,ªCEo%ß,µ,½,½,ß□AfŠf,□[fg fAfNfZfX fT□[fo□[.ª□Ú’±,ð□Ø’f,µ,½%°Á“\□«,ª, ,è,Û,·□B
- ‘N,©,ª“d~b,ìCEÄ,Ñ□o,µ,É’Í,µ,ÄŽó~bSí,ðŽæ,Ä,Ä%ž“š,µ,È,©,Á,½,©,Ç,æ,©,ð¹²,×,Ä,-¾,³,ç□B□[,ªŽó~bSí,ðŽæ,é,Æ□A□Ú’±,íŽ©“®“l,É□Ø’f,³,è,Û,·□B
- f,fff€,ìfP□[fuf<,ª³,µ,□Ú’±,³,è,Ä,ç,é,±,Æ,ðŠm”F,µ,Ä,,¾,³,ç□B

ŽŸ,ì,ç,,ê,©,ì'í^•û-@,đŽŽ,μ,Ä,,¾,¾,ç□B

- fŠf.□[fg fAfNfZfX fT□[fo□[,ŽÄ□s,¾,ê,Ä,ç,È,ç%oÄ"\□«,^a, ,è,Ü,·□BfVfXfef€ŠÇ—□ŽÒ,É^È—Š,μ,Ä□AFT□[fo□[,ŽÄ□s,¾,ê,Ä,ç,é,±,Æ,đSm" F,μ,Ä,,¾,¾,ç□B
- Žg—p,μ,Ä,ç,éf,fff€,□A fŠf.□[fg fAfNfZfX fT□[fo□[,ìf,fff€,Æ□³□í,ÉfìfSfVfG□[fVf#f" ,Ä,«,È,ç%oÄ"\□«,^a, ,è,Ü,·□B'É□M'—"x,đ%oo°,Ä,,¾,¾,ç□B□uf,fff€,ì<@"\,đ□Y'è,·,é□v,đŽQ□Æ,μ,Ä,,¾,¾,ç□B
- Žg—p,μ,Ä,ç,éfRf"fsf...□[f^,ìfVfSfAf< f□[fg,□A'ì'đ,μ,½'É□M'—"x,É'í%ož,Ä,«,È,ç%oÄ"\□«,^a, ,è,Ü,·□Bf□[fg,ì□%Sú'É□M'—"x,đ%oo°,Ä□Ú'±,μ,Ä,,¾,¾,ç□B□uf,fff€,ì<@"\,đ□Y'è,·,é□v,đŽQ□Æ,μ,Ä,-¾,¾,ç□B

ŽŸ,ì,ç,,ê,©,ì'í^•û-@,đŽŽ,μ,Ä,,¾,¾,ç□B

- f,fff€,É“dCE¹,â“ü,Á,Ä,ç,é,±,Æ,đŠm”F,μ,Ä,,¾,¾,ç□Bf,fff€,ì“dCE¹,â□Ø,ê,Ä,ç,½□ê□#,í□A“dCE¹,đ“ü,ê,Ä,©,çf_fCf,,f<,μ'¼,μ,Ä,,¾,¾,ç□B
- f,fff€,ì“dCE¹,â“ü,Á,Ä,ç,½□ê□#,í□AWindows NT ,ìfnfCfp□[f^□[f~fif<,đŽg,Á,Äf,fff€,â□³□í,É<@“\ ,·,é,©,Ç,æ,©,đfefXfg,μ,Ä,,¾,¾,ç□B□uf,fff€,đfefXfg,·,é□v,đŽQ□Æ,μ,Ä,,¾,¾,ç□B
- f,fff€,âfnfCfp□[f^□[f~fif<,Á,í□³□í,É<@“\ ,·,é,í,É□Af_fCf,,f<fAfbfv flfbfgf□□[fN,Á,í□³□í,É<@“\ ,μ,È,ç□ê□#,í□A,“,»,,ç,□Af,fff€,ÆfRf“fsf...□[f^,í□Ú'±,ÉCEYS·□«,í,É,çfP□[fuf<,âŽg,í,ê,Ä,ç,Û,·□BCEYS·□«,í, ,éfP□[fuf<,đŽg,Á,Ä,,¾,¾,ç□B□ufP□[fuf<,í—vCE□□v,đŽQ□Æ,μ,Ä,,¾,¾,ç□B

fVfŠfAf< f|[]fg

COM1 ,Æ COM3 ,í[]AŠ,,è[]ž,ÝfCEfxf< (IRQ) 4 ,ð<α—L,·,é,±,Æ,É'[]^Ó,μ,Ä,,¾,¾,ç[]B,Ü,½[]ACOM2 ,Æ COM4 ,í[]AŠ,,è[]ž,ÝfCEfxf< (IRQ) 3 ,ð<α—L,μ,Ü,·[]B,±,ì,½,β[]AfVfŠfAf< Ê[]M,É COM1 ,Æ COM3 ,ð“~Žž,ÉŽg,Á,½,è[]ACOM2 ,Æ COM4 ,ð“~Žž,ÉŽg,Á,½,è,·,é,±,Æ,í,Ä,«,Ü,¹,ň[]B,½,Æ,í,í[]ACOM1 ,ðf_fCf,,f<fAfbfv flfbfgf[][]fN,ÉŽg,ç[]ACOM3 ,ðfnfCfp[]f^[]f~fif<,ÉŽg,α,±,Æ,í,Ä,«,Ü,¹,ň[]B f}fEfX,ð[]Af_fCf,,f<fAfbfv flfbfgf[][]fN,â Windows NT ,lfnfCfp[]f^[]f~fif<,È,Ç,ì,»,ì'¼,ìVfŠfAf< Ê[]MfVf[]fOf %of€,,Æ,ç,Á,μ,â,ÉŽg,α[]ê[]‡,É,à[]A,±,ì<K'¥,í“- ,Ä,í,Ü,è,Ü,·[]B ^ê•ù[]ADigiBoard fVfŠfAf< f|[]fh,È,Ç,lfcf“fejŠWfFf“fg fVfŠfAf< fAf_fvf^ f|[]fh,ðŽg,α[]ê[]‡,í[]A,±,ì<K'¥,í“- ,Ä,í,Ü,è,Ü,¹,ň[]B

ISDN ,ÉŠÖ,·,éfgf%ofuf<fVf...[]fefBf"fo

ISDN %oňü,Áf_fC,,f<,μ,Ä,ç,ÄÚ'±,ÉŽ,"s,·,é,ÆA"%ož"š,ª, ,è,Ü,¹,ňB" ,Æ,ç,xfGf%o[] ffbfZ[]fW,ª\ Ž,³,è,Ü,·B,±,lf[]fbfZ[]fW,ª\Ž,³,è,éCE´^ö,É,íAŽŸ,ì,ç,, ,è,©,ì·s<ì[]±,ª[]l,ì,ç,è,Ü,·B

- fŠf,[]fg fAfNfZfX fT[]fo[],ªA<N"®,³,è,Ä,ç,È,ç,©A,Ü,½,lf,ff€,ªÚ'±,³,è,Ä,ç,È,ç,Æ,ç,ç-—R,Á %ož"š,μ,Ü,¹,ň,Ä,μ,½BfVfXfef€SÇ—ŽÖ,É-â,ç[]±,í,¹,Ä,,¾,¾,çB
- %oňü,ªŽg—p't,Ä,·B
- Žg—p,μ,Ä,ç,éfn[]fhfEffa,É-â'è,ª, ,è,Ü,·BISDN fj[]fh,ª³,μ,fCf"fxfg[]f<,"æ,Ñ[]-³,è,Ä,ç ,é,©,Ç,ª,©,ðŠm"F,μ,Ä,,¾,¾,çB
- fmfCfY,ª½,çAÚ'±,ÉŠ,,è[]ž,Ý,ª, ,Á,½,È,çA%oňü,ìó'Ó,ª,æ,, ,è,Ü,¹,ň,Ä,μ,½B,μ,î,ç,- ,μ,Ä,©,ç,à,ª^ê"x_fC,,f<,μ,Ä,¾,¾,çB
- [ISDN ,ì[]-] f_fCfAf[]fO f{fbfNfX,Á'ì'ð,μ,½%oňü,ìŽí—p,lfSfVfG[]fVf#",ðs,ª,± ,Æ,ª,Á,«,È,©,Á,½,½,ßA[ISDN ,ì[]-] f_fCfAf[]fO f{fbfNfX,Á'ì'ð,μ,½%oňü,ìŽí—p,Á,ìÚ'±,ðŠm— s,Á,«,Ü,¹,ň,Ä,μ,½B
- ISDN ,ìèðŠ-Ý"ö,ª[]- ,Ý[]±,Á,Ä,ç,é%oÄ"[]«,ª, ,è,Ü,·B,μ,î,ç,,μ,Ä,©,ç,â,è'¼,μ,Ä,,¾,¾,çB

,±,è,ç,ì,ª,ìACE´^ö,Æ,È,Ä,Ä,ç,é%oÄ"[]«,ª, ,é[]€-Ú,É,Ä,ç,ÄŠm"F,μ,Ä,,¾,¾,çB- â'è"·ª,ðC[]³,μ,½,çA,à,ª^ê"x"Ô[]t,ðf_fCf,,f<,μ,Ä,,¾,¾,çB

X.25 ,ÉŠÖ,·,éfgf%ofuf<fvf...□[fefBf“fo

- 1 f_fCf,,f<fAfbfv PAD ,ð%oi,μ,Ä□Ú'±,·,é,Æ□AFT□[fo□[,ª•K, ,fNf%ofCfAf“fg,ì”F□Ø,ÉŽ, ”s,μ,Ü,·□B%oðCE^□ô
- 2 □Ú'±,ÍŠm—š,ª,è,Ü,·,ª□Aflfbfgf□□[fN fhf%ofCfu,Æ,ì□Ú'±,ª%oð□œ,ª,è□AfZfbfvf#f“ ,ª—
Ž,¿,½,è□Aflfbfgf□□[fN fGf%o□[,ª”□¶,μ,½,è,μ,Ü,·□B%oðCE^□ô
- 3 ftf@fCf<,ì“]’—’t,É□A•p”É,É “flfbfgf□□[fN fhf%ofCfu,ª□Ø’f,ª,è,Ü,μ,½” ,Æ,ç,xfGf%o□[f□fbfZ□[fW,â
“flfbfgf□□[fN fhf%ofCfu,Í,à,æ’¶□Ý,μ,Ü,¹,ñ” ,Æ,ç,xfGf%o□[f□fbfZ□[fW,ª•Ž!,ª,è,Ü,·□B%oðCE^□ô
- 4 MODEM.INF , ,æ,Ñ PAD.INF ,É□V,μ,□i□¬,μ,½fGf“fgfŠ,ª<@”\,μ,Ü,¹,ñ□B%oðCE^□ô
- 5 f_fCf,,f<fAfbfv PAD ,É□Ú'±,ª,è,Ä,ç,é,ff€,ª□A-{-^,æ,è,à’á’¬,Å□Ú'±,μ,Ü,·□B%oðCE^□ô

fŠf.□[fg fAfNfZfX fT□[fo□[^ažÀ□s,³è,Ä,ç,é,ì,É□AfNf%ofCfAf“fg,^a X.25 fXf}□[fg fj□[fh,Ü,½,ÍŠO•” PAD ,đ
%oî,μ,ÄfT□[fo□[^É¼□Ú□Ú‘±,Ä,«,É,ç□ê□#,í□Af_fCf,,f<fAfbfv PAD ,ì X.3 fpf
%of□□[f^,Ü,½,ÍvfŠfAf<□Ý‘è,^aŠÔ^á,Á,Ä,ç,é%oÄ”\□«,^a ,è,Ü,·□BŠÇ—□ŽÒ,É-â,ç□#,í,¹Ä□A□wflfbfgf□□[fN
fKfCfh□x,ì□u‘æ 9 □í□@X.25 PAD fTf|□[fg□v,É, ,é^è—,đŽQ□Æ,μ,Ä□³,μ,ç□Ý‘è,đŠm”F,μ,Ä,,³/₄,³,ç□B

fŠf.□[fg fAfNfZfX fT□[fo□[.ì□ê—p‰ň□ü,ª□—ŽG,μ,Ä,ç,é,±,Æ,ªCE´^ö,¾,ÆŽv,í,ê,Ü,·□BŠÇ—□ŽÒ,í□AfNf
%ofCfAf“fg,ªf_fCf,,f<fCf“,ÉŽg,κ,·,×,Ä,ì'Ê□M'—“x,Ä,ì,·,×,Ä,ì COM f□[fg,ìŽg—p,ð□ACE»□Ý,ì□ê—p
%‰ň□ü,ì'Ê□M'—“x,ÄfTf□[fg,Ä,«,é,±,Æ,ðŠm”F,μ,È,·,è,ì,È,è,Ü,¹,ñ□B
,½,Æ,ì,í□A4 'ä,ìNf%ofCfAf“fg,ª 9600bps ,Ä (f_fCf,,f<fAfbfv PAD ,ðŽg,Ä,Ä) □Ú'±,·,é□ê□‡,í□AfT□[fo□[‘κ
,ì□ê—p‰ň□ü,É,í 38,400bps (9600bps ,ì 4 ”{) ,ì'Ê□M'—“x,ª•K—v,Ä,·□B□ê—p‰ň□ü,ì'Ñ^æ•□,ª□\
•ª,Ä,È,ç□ê□‡,í□Af^fCf€fAfEfg,ª”□¶,μ□A□Ú'±,μ,Ä,ç,éfNf%ofCfAf“fg,ìfpftfH□[f}f“fX,ª'á‰‰,·,é□ê□‡,ª, ,è,Ü
,·□B,±,ì—á,Ä,í□AfŠf,□[fg fAfNfZfX fT□[frfX,Ä,·,×,Ä,ì'Ñ^æ•□,ðŽg,κ,±,Æ,ð'O'ň,Æ,μ,Ä,ç
,Ü,·□B'Ñ^æ•□,ð,Ü,©,ì—p“r,Æ<κ—L,·,é□ê□‡,í□A□Ú'±,Ä,«,é□”,í,à,Ä,Æ□,È,,È,è,Ü,·□B

X.25 fXf}[]fg fj[]fh,Å[]Aflfbfgf[]fN fpf%of[]f^,ìfSfVfG[]fVf#“,ð—LCEø,É,μ,Û,·[]B,±,ì-
à'è,í[]Aft[]fo[][]Aflfbfgf[]fN[]A,“,æ,ÑfNf%ofCfAf“fg,ì X.25 f\ftfgfEfffA,Å[]A'—
[]MfEfBf“fhfE,ÆŽó[]MfEfBf“fhfE,ìfTfCfY,È,Ç,ì X.25 fpf%of[]f^,ªCEÝ,ç,É^Ù,È,é[]è[]#,É”[]¶,μ,Û,·[]B
fNf%ofCfAf“fg,ì X.25 f\ftfgfEfffA (¼[]Ú X.25 []Ú'±,ðŽg,Á,Ä,ç,é[]è[]#),Æft[]fo[],ì X.25 f\
ftfgfEfffA,Åflfbfgf[]fN fpf%of[]f^,ìfSfVfG[]fVf#“,ð—
LCEø,É,·,é,Æ[]Aft[]fo[][]Aflfbfgf[]fN[]A,“,æ,ÑfNf%ofCfAf“fg,ª<ª'É,μ,ÄfSfVfG[]fVf#“,³,è,½ X.25
flfbfgf[]fN fpf%of[]f^,ðŽg—p,Å,«,é,æ,ª,É,È,è,Û,·[]B

MODEM.INF ,Å□A'¼□Ú□Ú'±—p, ",æ,ÑŠO•" PAD —p,ì,Ù,©,ìfGf"fgfŠ,đ'²,x□A,»,±,É<L□q,³,ê,Ä,ç
,éfRf□f"fg,đŠm"F,μ,Ä,,¾,³,ç□B%oñ□üfAfif%ofCfU,âf^□[f~fif<fvf□fOf%of€,đŽg,Á,Ä PAD —p,ì
%oŽ"š,đ'²,x,é•K—v,ª, ,é□ê□‡,à, ,è,Ü,·□Bf_fCf,,f<fAfbfv PAD fGf"fgfŠ,ì□ê□‡,í□APAD.INF ,É<L□q,³,ê,Ä,ç
,éfGf"fgfŠ,đ—á,Æ,μ,ÄŽg,ç□A,»,±,É<L□q,³,ê,Ä,ç,éfRf□f"fg,©,çf□f"fg,đ"¾,Ä,,¾,³,ç□B

f,ff€,\fZfbfgfAfbfv fv[]fOf%of€,ì^è—,É•\Žì,³,è,Ä,ç,éCEÝŠ·[]<,ì, ,é<@Ží,ÉCEđŠ·,μ,Ä,,³/₄,³,ç[]B

,Í,Ń,Œ,É

f_fCf,,f<fAfbfv flfbfgf□□[fN,í□ARAS ,lfNf%ofCfAf“fg”Å,Å□Af_fCf,,f<fAfbfv fT□[fo□[Æ,ì□Ú’±
,ÉŽg,í,ê,Û,·□B[f_fCf,,f<fAfbfv flfbfgf□□[fN] fAfCfRf“,í□Af}fC fRf“fsf...□[f^“à,“,æ,Ń [fXf^□[fg] f□fjf...□[,ì
[fAfNfZfTfŠ] ftfHf<f_É, ,è,Û,·□B

1 f_fCf,,f<fAfbfv flfbfgf□□[fN,Å□A[□V<K□ì□-] ,ðfNfŠfbfN,μ,Ä□V,μ,ç“d~b’ fGf“fgfŠ,ð□ì□-,·,é,©□A,Û,½,í
[.,>,ì’¼] ,ðfNfŠfbfN,μ□A[fGf“fgfŠ,Æf,fff€,ìfvf□fpfefB,ì•ò□W] ,ðfNfŠfbfN,μ,Û,·□B

2 fŠf,□[fg□Ú’±,ðŠm—š,·,é,É,í□A[f_fCf,,f<] ,ðfNfŠfbfN,μ,Û,·□B

flfbfgf[]fN,Æ[]Ú'±,·,é

flfbfgf[]fN,Æ[]Ú'±,·,é,É,í

1 f_fCf,,f<fAfbfv flfbfgf[]fN,Å[]A[]Ú'±[]æ,lfGf"fgfŠ,đ'í'đ,μ[]Af_fCf,,f<,μ,Ü,·[]B

2 "ü—í,đ,[]B,ç,ê,½[]ê[]±,í[]A"[]F[]Ø—p,lfA[]f[]f[]E[]f"fg-¼[]A[]f[]p[]f[]X[]f[]f[]h[]A,,æ,Ñfhf[]fCf""đ [[],Ö,ì[]Ú'±] f_fCfA[]f[]O f{fbfNfX,É"ü—í,μ,Ü,·[]B

'[] [[],Ö,ì[]Ú'±] f_fCfA[]f[]O f{fbfNfX,É"ü—í,·,éfhf[]fCf""-¼,í[]A[]Ú'±,·,é Windows NT RAS f[]f[]f[]o[][,á'@,·,é Windows NT fhf[]fCf""Å,È,·,ê,í,È,è,Ü,¹,ñ[]B,±,±,É"ü—í,·,é,ì,í[]A[]P[]P[]f[]v[]f[]o[]f[]Cf_,â SLIP f[]v[]f[]o[]f[]Cf_,@,ç-^,ì,ç,ê,½ DNS fhf[]fCf""-¼,Å,í,è,è,Ü,¹,ñ[]B,½,Æ,ì,í[]A[]www.halcyon.com ,Æ,ç ,Á,½fhf[]fCf""-¼,Å,í,È,[]A[]accounting ,È,Ç,lfhf[]fCf""-¼,É,È,è,Ü,·[]B

flfbfgf[]fN,Æ,ì[]Ú'±,·,éŠm—š,³,ê,½[]E[]ä,í[]A[]f[]_[]f[]Cf,,f<fAfbfv flfbfgf[]fN,ð[]A[]-[]%[]»,,μ[]A[]Žg—p,μ,Ä,ç ,éfRf"fsf...[]f^,³ LAN ,É'¼[]Ú[]Ú'±,³,ê,Ä,ç,é,Æ,«,Æ,Ü,Á,½,"~,[]æ,æ,É'€[],·,é,± ,Æ,³,Ä,«,Ü,·[]B,Ä,Ü,è[]A[]flfbfgf[]fN,³[]Y'u,³,ê,Ä,ç,élf[]f[]B[]f[]X,É,ç,é,Æ,«,Æ,Ü,Á,½,"~,[]æ,æ ,É"džqf[]f<,âfGfNfXf[]v[]f[]f[]%[]»,,ðžg,æ,±,Æ,³,Ä,«,Ü,·[]B

'[] "F[]Ø—p,lfA[]f[]f[]E[]f"fg[]î·ñ,í[]A'É[]í,lf[]f[]b[]f[]g[]f[]f[]N f[]f[]O[]f[]f",Éžg,æfA[]f[]f[]E[]f"fg[]î·ñ,Æ""~,[]æ,Ä,·[]B[]f[]_[]f[]Cf,,f<fAfbfv flfbfgf[]fN,í[]A[]f[]N[]f[]%[]o[]f[]CfA[]f"fg f[]f[]f[]U[][,á'· —[]"í,Éf[]f[]b[]f[]g[]f[]f[]N,ÖfA[]f[]N[]f[]Z[]f[]X,·,é[]E —~,ðžg,Ä,©,Ç,æ,©,ð[]A,± ,é,ç,lfA[]f[]f[]E[]f"fg[]î·ñ,ðžg,Ä,Ä[]E[]Y[],·,μ,Ü,·[]B[]f[]_[]f[]Cf,,f<fAfbfv flfbfgf[]fN,ížÀ[]Ú,ÉfŠf,[]f[]g f[]f[]f[]U[][,ðf[]f[]O[]f[]f""³,¹,é,í,·,Ä,í,è,è,Ü,¹,ñ[]B,±,ì,½,β[]A[]f[]Šf,[]f[]g f[]f[]f[]U[][,í[]A'·Ü[]E],³,ê,½flfbfgf[]fNž'[]E¹,ÉfA[]f[]N[]f[]Z[]f[]X,·,é,É,í[]A'½,,ì[]ê[]±[]A[]Ú'±,³Šm— š,³,ê,½[]E[]ä,Éž[]°·Ä,Äf[]f[]O[]f[]f""·,·,é·K—v,³,è,è,Ü,· (Windows NT ,ì[]ê[]±,È,ç[]A[]Ctrl + Alt + Del f[]L[][,ðžg,ç,Ü,·)[]B,½,¾,μ[]A[]Ž[]°·Ä,ðžg,æ Windows NT f[]x[]f[]X,lfRf"fsf... []f^,ð<N"® ,μ,½,Æ,«,Éž[]°·Ä,lfhf[]fCf"" fA[]f[]f[]E[]f"fg,Éf[]f[]O[]f[]f"" ,μ,Ä,·,Æ (fŠf,[]f[]g fA[]f[]N[]f[]Z[]f[]X[]Ú'±,ðŠm— š,·,é'° ,É[]s,ç,Ü,·)[]A,±,ìžè[]±,ð[]E,,±,Æ,³,Ä,«,Ü,·[]B[]f[]f[]b[]f[]g[]f[]f[]N f[]P[]f[]u[]f<,Ä[]Ú'±,³,ê,Ä,ç ,È,ç[]ó'Ö,Äf[]f[]O[]f[]f"" ,μ[]A,» ,ì[]E[]ä[]f[]f[]b[]f[]g[]f[]f[]N,Æ'·—[]"í,É[]Ú'±,μ,½[]ê[]±,É,à[]A,±,é,Æ""~,[]æ,±,Æ,³— ,Ä,í,Ü,è,Ü,·[]B

flfbfgf[]fN,ðžg,æ

fŠf,[]f[]g fA[]f[]N[]f[]Z[]f[]X f[]f[]f[]o[][,Æ,ì[]Ú'±,ðŠm—š,·,é,Æ[]A'd~b%[]»ñ[]ü,ð%[]»î,μ,Äf[]f[]f^ f[]f[]@[]f[]Cf<,ÉfA[]f[]N[]f[]Z[]f[]X,Ä,«,é,æ,æ,É,È,è,Ü,·,³[]A[]f[]Šf,[]f[]g,Äf[]v[]f[]O[]f[]%[]f[]E,ðžÀ[]s,·,é,±,Æ,í,Ä,«,Ü,¹,ñ[]B"d~b %[]»ñ[]ü,ð%[]»î,μ,Äf[]v[]f[]O[]f[]%[]f[]E,ðžÀ[]s,·,é,Æ[]A,Ü,Æ,ñ,Ç,lfA[]f[]v[]f[]Šf[]P[]f[]v[]f[]f"" ,ížÀ—p,Éš—,ì,È,ç ,@,ç,çžÀ[]s'—"x,³x,,È,è,Ü,·[]B[]A"K,Èf[]p[]f[]t[]f[]h[]f[]f[]f[]X,ð"¾,é,½,β,É[]A'K—v,ÉfA[]f[]v[]f[]Šf[]P[]f[]v[]f[]f"" ,í[]A[]³ž® ,Éf %[]»o[]f[]CfZf"[]fX,ðžæ"¾,μ,Ä[]A[]ž[]°·Ä,lf[]f[]f[]f< fRf"fsf...[]f^ ,ÉfCf"[]f[]X[]f[]g[]f[]f<,·,é,æ,æ,É,μ,Ä,,¾,³,ç[]B

ŠÖ~A[]€-Ü

[]Ú'±,ðšÄž<,μ[]A[]ó<μ,ð·ñ[]f<,·,é

"Äžè,Éf_fCf,,f< flfv[]f[]f""

Ž © •ª, ðfRf“fsf... [f^, Ö, ðf_cf,, f<fcf“ fAfNfZfX, ð<-‰Á, ., é

, Û, ©, ðft [fU [,ª Ž © •ª, ðfRf“fsf... [f^, ÖfAfNfZfX, Á, «, é, æ, ¢, É, ., é, É, Í

1. fŠf, [fg fAfNfZfXŠÇ—ft [fefBfŠfefB, ðŽg, Á, Ä AŽ © •ª, ðfRf“fsf... [f^, Ö, ðfAfNfZfX, ð<-‰Á, ., éft [fU [, ÉfŠf, [fg fAfNfZfX, ð<-‰Á, ð— ^, ð, Û, ·B Ú×, É, Á, ¢, Ä, Í A ufŠf, [fg fAfNfZfX, ð<-‰Á, ðŸ'è, ., év, ðŽQ AE, µ, Ä, ,¼, ¢B

2. fŠf, [fg fAfNfZfXŠÇ—ft [fefBfŠfefB, ©, ç AfŠf, [fg fAfNfZfX ft [rfX, ðŠ)Žn, µ, Û, ·B

fRf“fsf... [f^, ð<N“ ®, µ, ½'¼ CEã, É, ©, ©, Á, Ä, «, ½ CEÄ, Ño, µ, ðŽó, ~“ü, é, é, É, Í

1. Windows NT , ðfRf“fgf [f< fpf]f<, ð [ft [rfX] fAfCfRf“, ðf_fuf<fNfŠfbfN, µ, Û, ·B

2. [Remote Access Server] , ð'ð, µ, Û, ·B

3. [fXf^ [fgfAfbfv] , ðfNfŠfbfN, µ, Û, ·B

4. [fXf^ [fgfAfbfv, ðŽí—p] , Á A [Ž © “®] , ð'ð, µ, Û, ·B

5. [OK] , ðfNfŠfbfN, µ, Û, ·B

f_fCf,,f<fAfbfv flfbfgf[]fN,iŠT—v

f_fCf,,f<fAfbfv flfbfgf[]fN,íAWindows NT fŠf,[]fg fAfNfZfX fT[]fxfX (RAS) ,lfNf%ofCfAf“fg fo[]fWf#f“,Á,·[]B

f_fCf,,f<fAfbfv flfbfgf[]fN,đŽg,æ,Æ[]AWindows NT[]AMS-DOS Version 3.1 ^È[]~ (RAS Version 1.1a)[]A,“,æ,Ñ MS OS/2 Version 3.1 (RAS Version 1.1) ,lfŠf,[]fg ft[]fU[][,í[]Aflfbfgf[]fN,É‘¼[]Ú[]Ú± ,µ,Ä,ç,é,Æ,«,Æ“~,¶,æ,æ,É[]<Æ,Á,«,Ü,·[]BMicrosoft ,lf_fCf,,f<fAfbfv flfbfgf[]fN,Á,í[]AMacintosh ,lf_lfbfgf[]fN,“,æ,Ñ AppleTalk fvfŠf“f^,Ö,lf_fCf,,f<fCf“%oñü,ð%oi,µ,½fAfNfZfX,í[]Aftfj[]fg,³,é,Ä,ç ,Ü,¹,ñ[]B

Windows NT RAS ,É,í[]AZÏ,ì,æ,æ,È[]\[]—v’f,²ŠÜ,Ü,é,Ü,·[]B

f_fCf,,f<fAfbfv flfbfgf[]fN fNf%ofCfAf“fg Windows NT[]AMS-DOS (,½,¾,µ[]AMicrosoft Network Client ,²fCf“fXfg[]f<[]Y,Á, ,é,±,Æ)[]A,“,æ,Ñ LAN Manager ,ì RAS fNf%ofCfAf“fg,í[]A,·,x,Á Windows NT RAS fT[]fo[][,É[]Ú±,Á,«,Ü,·[]B,Ü,½[]AfNf%ofCfAf“fg,í[]AMicrosoft[]»·i^ÈŠO,ì“C^Ó,ì PPP fNf %ofCfAf“fg,Á,à,©,Ü,ç,Ü,¹,ñ[]B

RAS ft[]fo[] Windows NT Server ,ì RAS ,Á,í[]A[]Á‘á 256 ,lfŠf,[]fg fNf%ofCfAf“fg,ª RAS ft[]fo[][,Éf_fCf,,f<fCf“ ,Á,«,Ü,·[]BWindows NT Workstation ,ð RAS ft[]fo[][,Æ,µ,ÄŽg,æè±,í[]Af_fCf,,f<fCf“ ,Á,«,é,fNf%ofCfAf“fg,í 1 ,Á,Á,·[]BRAS ft[]fo[][,í[]AfNf %ofCfAf“fg,²flfbfgf[]fN‘S‘ì,ÉfAfNfZfX,Á,«,é,æ,æ,É[]\[]—,·,é,±,Æ,à[]A,» ,ì RAS ft[]fo[][,É,µ,©fAfNfZfX,Á,«,É,ç,æ,æ,É[]\$CEÁ,·,é,±,Æ,à,Á,«,Ü,·[]B

LAN fvf[]fgfRf< LAN fvf[]fgfRf<,í[]ALAN (f[][]fjff< fGfŠfA flfbfgf[]fN) ,ð%oi,µ,ÄfpfPfbfg,ð“‘— ,µ,Ü,·[]BWindows NT ,Á,í[]ATCP/IP[]AIPX[]ANetBEUI ,È,Ç,ì LAN fvf[]fgfRf<,ðftfj[]fg,µ,Ä,ç ,é,½,ß[]AfCf“f^[]flfbfgf[]ANetWare ft[]fo[][]A,“,æ,Ñ UNIX ft[]fo[][,ÉfAfNfZfX,Á,«,Ü,·[]BTCPIP ,Ü,½,í IPX ,ðŽg,Á,½ Windows Sockets fAvfŠfP[]fVf#f“[]A-¼‘O•t,«fjCfv[]AfŠf,[]fg fvf[]fv[]fWff fR[]f< (RPC)[]A,“,æ,Ñ LAN Manager API ,²ftfj[]fg,³,é,Ä,ç,Ü,·[]B

fŠf,[]fg fAfNfZfX fvf[]fgfRf< fŠf,[]fg fAfNfZfX fvf[]fgfRf<,í[]AWAN (f[]fCfh fGfŠfA flfbfgf[]fN) ,ð %oi,µ,Äff[]f^,ì“‘—,ð[]\$CEä,µ,Ü,·[]BWindows NT ,Á,í[]APPP[]ARAS fNf%ofCfAf“fg[]ä,ì SLIP[]AMicrosoft RAS fvf[]fgfRf<,È,Ç,lfŠf,[]fg fAfNfZfX fvf[]fgfRf<,²ftfj[]fg,³,é,Ä,ç,Ü,·[]B

WAN flfv[]fVf#f“ fNf%ofCfAf“fg,í[]A‘Éí,ì“d~b%oñü,Æ[]Af,fff€,Ü,½,lf,fff€ fvf[]f<,ðŽg,Á,Äf_fCf,,f<fCf“ ,Á,«,Ü,·[]BISDN ,ðŽg,æ ,Æ[]A,æ,è,‘—,ÈfŠf“fN,ðŽACE»,Á,«,Ü,·[]B,Ü,½[]AX.25[]ARS-232C Null f,fff€[]A,Ü,½,í[]A[]V,ì PPTP (Point-to-Point Tunneling Protocol[]F flfCf“fg fc[] flfCf“fg fgflfŠf“fO fvf[]fgfRf<) ,ðŽg,Á,Ä RAS fNf%ofCfAf“fg,ð RAS ft[]fo[][,É[]Ú±,·,é,±,Æ,à,Á,«,Ü,·[]B

fZLf...fŠfefB<@“ Windows NT ,ì‘ñ<Ï,·,é[]fOfif“,Æfhf[]fCf“,lfZLf...fŠfefB[]AfZfLf...fŠfefB fzfXfg,lfTfj[]fg[]Aff[]f^,ì^Á[]+%o»[]A,“,æ,ÑfR[]f<fofbfN<@“\,É,æ,è[]AfŠf,[]fg fNf %ofCfAf“fg,í^‘S,Éflfbfgf[]fN,ÉfAfNfZfX,Á,«,Ü,·[]B

fCf“f^[]flfbfg ftfj[]fg Windows NT ,Á,í[]ARAS ,ðŽg,Á,ÄfCf“f^[]flfbfg,ì ,ç,ä,éft[]fxfX,ð—~— p,Á,«,Ü,·[]B,½,Æ,ì,í[]AWindows NT Server fRf“fsf...[]f^,ðfCf“f^[]flfbfg ft[]fxfX fvf[]fofCf_,Æ,µ,Ä[] \[]—,·,é,Æ[]APPP fNf%ofCfAf“fg,©,çf_fCf,,f<fAfbfv,µ,Ä[]A,»,lfCf“f^[]flfbfg ft[]fo[][,É[]Ú±,Á,«,é,æ,æ, ,É,È,è,Ü,·[]B,Ü,½[]AWindows NT Workstation fRf“fsf...[]f^,©,ç[]AfCf“f^[]flfbfg,É[]Ú±,µ,Ä,ç,é Windows NT Server (Version 3.5 ^È[]~) fRf“fsf...[]f^,â[]A<ÆŠE•W[]€,ì PPP ,Ü,½,í SLIP fx[]fX,ì“C^Ó,lfCf“f^[]flfbfg ft[]fo[][,Éf_fCf,,f<fCf“,·,é,±,Æ,à,Á,«,Ü,·[]B[]Ú×,É,Á,ç,Ä,í[]A[]wWindows NT fŠf[]fX flfbfg[]x,ìw[]fCf“f^[]flfbfg fKfCfh[]x,ðŽQ[]Æ,µ,Ä,,¾,¾,³,ç[]B

f_fCf,,f<fAfbfv flfbfgf[]fN fNf%oCfAf“fg

Windows NT RAS fT[]fo[]ÉÚ'±,·,éfNf%oCfAf“fg,íAWindows NTAWindows 95AMS-DOS
(,½,¾,μAMicrosoft flfbfgf[]fN,lfNf%oCfAf“fg fftfgfEfffA,²fCf“fXfg[]f<[]í,Ý,Á, ,é,±,Æ)ALAN
Manager[]A,Ü,½,Í“C^Ó,ì PPP fNf%oCfAf“fg,ì,ç,·,é,Á,à,©,Ü,ç,Ü,¹,ñBfNf%oCfAf“fg,É,íAf,fff€ ([]
•²,ÈpftfH[]f}f“fX,ð“¾,é,É,íA9600bps ^Èã,lf,fff€,ð,“Š©,β,μ,Ü,·) ,ÆfAfif[]fOŽ@“d“b
%ñü[]A,Ü,½,í,Ü,©,ìCE`Ó,ì WAN []Ú'±,²•K—v,Á,·[]B,Ü,½[]AfŠf,[]fg fAfNfZfX f
ftfgfEfffA,²fCf“fXfg[]f<,³,é,Á,ç,È,·,é,í,È,è,Ü,¹,ñ[]B

RAS ,ì f[]fgf_fCf,,f<<@“\,ðŽg,²,Æ[]AÚ'±,²Ž@“@%»»,³,é,Ü,·[]B,±,ì<@“\,É,æ,è[]ARAS fŠf“fN,ð
%òì,μ,½,·,·,×,Á,ìÚ'±,²<L%»~ ,³,é,é,ì,ÁA2 %ñ-Ú^È~ ,ÉŽ^CE¹,ÉfAfNfZfX,·,é,Æ,«,íAZ@“@“ì,É[]Ä[]Ú'±
,³,é,Ü,·[]B

,Ü,½[]AMicrosoft fNf%oCfAf“fg,©,çŠÈ'P,Èfobf` ftf@fCf<,Æ **rasdial** frf}f“fh[]A,Ü,½,í RAS
,lfAfvfŠfP[]fVf}f“ fvf[]Of%oof~f“fO fCf“f^[]ftfFfCfX (API) ,ðŽg,Á,½[]è—p,ì RAS —
pfAfvfŠfP[]fVf}f“ ,ðŽÀ[]s,μ,Á[]AÚ'±,ðŽ@“@%»»,Á,«,·[]B,³,ç,É[]ARAS ,Æ **at** frf}f“fh,ðŽg,Á,Á[]AfŠf,[]fg
frf“fšf...[]f^,Æ RAS fT[]fo[]l,ìŠÖ,ÁŽ@“@fobfNfAfbfv,ðfXfPfwf...[]f<,·,é,±,Æ,à,Á,«,Ü,·[]B

Windows NT 3.5[]A3.51 , ,æ,Ñ Windows 95 fNf%oCfAf“fg

Windows NT Version 3.5x , ,æ,Ñ Windows 95 ,lfNf%oCfAf“fg,íAf}f<f Šf“fN<@“\,ðœ,ç,Á[]AWindows
NT Version 4.0 ,ì RAS ,ì<@“\,ð[]Á^âCEÀ,É—~—p,Á,«,Ü,·[]BWindows NT Version 3.5x , ,æ,Ñ Windows 95
,lfNf%oCfAf“fg,íAMicrosoft []•i^ÈŠÖ,ì“C^Ó,lfŠf,[]fg fAfNfZfX PPP fT[]fo[]l,Ü,½,í SLIP
fT[]fo[]l,É,à[]Ú'±,Á,«,Ü,·[]B

Windows NT Version 3.5x , ,æ,Ñ Windows 95 ,lfNf%oCfAf“fg,íAMicrosoft RAS fT[]fo[]l[]APPP
fT[]fo[]l[]A,Ü,½,íSLIP fT[]fo[]l,ì,ç,·,é,ìfT[]fo[]l,É'í,μ,Á,à[]Af[]Ofif“ ,Æ“F[]Ø,lfjfSfvfg[]fVf}f“ ,ð[]s,ç
,Ü,·[]B,Ü,½[]ARAS ,ì“d~b' fGf“fgfŠ,ð[]\—,μ[]AfXfNfŠfvfg,ðŽg,Á,Á[]f[]Ofif“ ,ðŠ@'S,ÉŽ@“@%»»,·,é,±
,Æ,à,Á,«,Ü,·[]B

Windows NT 3.1 fNf%oCfAf“fg

Windows NT Version 3.1 fNf%oCfAf“fg,íAMicrosoft RAS fvf[]fgfRf<,ðŽg,Á,Á,ç
,Ü,·[]B,Ü,½[]A,·,×,Á,lf[]f[]Wf}f“ ,ì Microsoft RAS ,ÆŠ@'S,ÈCEÝŠ·[]«², ,è,Ü,·[]B

Windows NT Version 3.1 fNf%oCfAf“fg,íAWindows NT Version 3.5 ,Á“±“ü,³,é,½ PPP fvf[]fgfRf<,ðfTf[]
[]fg,μ,Á,ç,Ü,¹,ñ[]BTCP/IP ,Ü,½,í IPX ,ðŽg,Á,Á LAN []ã,lfT[]fo[]l,Æ'¼[]Ú'É[]M,·,éfNf%oCfAf“fg
fAfvfŠfP[]fVf}f“ ,ðŽÀ[]s,Á,«,é,ì,íAWindows NT Verson 3.5x ,Ü,½,í,Ü,©,ì PPP fNf%oCfAf“fg,¾,·,Á,·[]B

MS-DOS , ,æ,Ñ LAN Manager fNf%oCfAf“fg

Windows NT Server ,ìñ<ÿ,·,é Microsoft Network Client Version 3.0 for MS-DOS ,Á,à[]AfŠf,[]fg
fAfNfZfX<@“\,ðŽg—p,Á,«,Ü,·[]B,Ü,½[]A•É” , ,ì LAN Manager RAS fNf%oCfAf“fg,Á,à[]AWindows NT
Version 3.5x ,ì RAS fT[]fo[]l,ÉÚ'±,Á,«,Ü,·[]B,±,é,ç,lfNf%oCfAf“fg,íA,·,×,Á,lf[]f[]Wf}f“ ,ì Microsoft RAS
fvf[]fgfRf<,ÆŠ@'S,È (3.5x) CEÝŠ·[]«², ,è,Ü,·[]B

Microsoft Network Client Version 3.0 for MS-DOS ,íAftf< fŠf_fCfÆfNf^ ,ðŽg,²,æ,²
,É[]Ý'è,μ,È,·,é,í,È,è,Ü,¹,ñ (,±,é,í[]AŠù'è,ì[]Ý'è,Á,·)[]BŠì-{}fŠf_fCfÆfNf^ ,ðŽg,²,æ,²,É[]Ý'è,·,é,Æ[]AfŠf,[]fg
fAfNfZfX fvf[]f[]Of%oof€,ì **rasphone** ,²<N“@ ,μ,Ü,¹,ñ[]B

MS-DOS[]A, ,æ,Ñ LAN Manager fNf%oCfAf“fg,í[]ARAS ,ì NetBIOS
fQ[]fgfEfffC,ðŽg,Á,Á[]ATCP/IP[]AIPX[]A,Ü,½,í NetBEUI ,ðŽÀ[]s,·,é NetBIOS
fT[]fo[]l,ÉfAfNfZfX,Á,«,Ü,·[]B,½,¾,μ[]A,±,é,ç,lfNf%oCfAf“fg,Á,í[]AfNf%oCfAf“fg[]ã,Á TCP/IP ,Ü,½,í IPX
,ðŽg,í,É,·,é,í,È,ç,È,çfAfvfŠfP[]fVf}f“ ,ðŽÀ[]s,Á,«,Ü,¹,ñ[]B

,Ü,½[]A,±,é,ç,lfNf%oCfAf“fg,íAWindows NT Version 3.5 ,Á“±“ü,³,é,½ PPP fvf[]fgfRf<,ðfTf[][]fg,μ,Á,ç
,Ü,¹,ñ[]B

PPP fNf%oCfAf“fg

Microsoft »•i^ÈŠO,Å,àATCP/IPAIPXA,Ü,½,Í NetBEUI ,ðŽg,» PPP fNf%ofCfAf“fg,Å, ,ê,îAWindows NT
Version 3.5 ^È~ ,ì RAS fT[fo[,ÉfAfNfZfX,Å,«,Ü,·BRAS fT[fo[,íAŽ©“®“l,É PPP fNf
%ofCfAf“fg,Æ”FØ,ìfSfVfG[fVf#f” ,ðs,ç,Ü,·BWindows NT ,ì RAS f\ftfgfEfffA,Å,íAMicrosoft
»•i^ÈŠO,ì PPP fNf%ofCfAf“fg,É’í,µ,Ä,àA“Á•Ê,È\—,í•K—v, ,è,Ü,¹,ñB
PPP fNf%ofCfAf“fg,ìÚ×,É,Â,ç,Ä,íAPPP fNf%ofCfAf“fg,ì\ftfgfEfffA,ì}fjf...fAf<,ðŽQÆ,µ,Ä,,³/₄,³,çB

fŠf,[]fg fAfNfZfX fvf[]fgfRf<

fŠf,[]fg fAfNfZfX fvf[]fgfRf<,í[]AWAN (f[]fCfh fGfŠfA flfbfgf[]fN) ,ð%î,µ,½ff[]f^,ì“‘— ,ð\$€ä,µ,Ü,·[]BfŠf,[]fg fAfNfZfX fNf%ofCfAf“fg,ÆfŠf,[]fg fAfNfZfX fT[]fo[]L,ÅŽg,xflyf€[]fefBf“fo fVxfef€,Æ LAN fvf[]fgfRf<,É,æ,Á,Ä[]AfNf%ofCfAf“fg,ÅŽg,xfŠf,[]fg fAfNfZfX fvf[]fgfRf<,æ^,Ü,è,Ü,·[]BfŠf,[]fg fAfNfZfX fvf[]fgfRf<,É,í[]APPP (Point-to-Point Protocol[]F flfCf“fg fc[] flfCf“fg fvf[]fgfRf<)[]ASLIP (Serial Line Internet Protocol[]F fVfŠfAf<%ñüfCf“f^[]flfbfg fvf[]fgfRf<)[]AMicrosoft RAS fvf[]fgfRf<[]A,“,æ,Ñ NetBIOS fQ[]fgfEjFfC,ì 4 Ží—p,ª, ,è,Ü,·[]B

PPP (Point-to-Point Protocol[]F flfCf“fg fc[] flfCf“fg fvf[]fgfRf<)

Windows NT RAS ,Á,í[]APPP ,ðfTfj[]fg,µ,Ä,ç,Ü,·[]BPPP ,í[]A<ÆŠE·W[]€ ,ìftf€[]f~f“fo,Æ“F[]Øfvf[]fgfRf<,lfZfbfg,Å[]A^ÚŽí,lfibfgf[]fN,ð‘ŠCEÝ,É%o^—p,µ,Ä,ç ,éŠÄ<<,Á,à[]AfŠf,[]fg fAfNfZfX,ð%Å“\,É,µ,Ü,·[]BMicrosoft ,Á,í[]APPP ,í[]_“í[]«[]A<ÆŠE·W[]€,Æ,µ,Ä,ì-ðŠ,[]A,“,æ,ÑfNf%ofCfAf“fg—p,ÆfT[]fo[]—p,lfN[]fhfEjFfA,ÆfVtfgefEjFfA,ÉŠÖ,·,é[]«—^“í,É[]_“í[]«,ð[]— ¶,µ[]APPP ,ðŽg,ª,±,Æ,ð,“Š©,ß,µ,Ü,·[]B

PPP ,ìftfj[]fg,É,æ,è[]AWindows NT ,ðŽÄ[]s,·,éfRf“fsf...[]f^,í[]APPP <KŠi,É[]€<,µ,Ä,ç,é“C^Ó,ìftT[]fo[]L,ð %oî,µ,ÄfŠf,[]fg flfbfgf[]fN,Éf_fCf,,f<fCf“ ,Á,«.,Ü,·[]B,Ü,½[]AWindows NT Server fRf“fsf... []f^,í[]A,Ü,©,ìf[]f[]f[]L,lfŠf,[]fg fAfNfZfX fVtfgefEjFfA,©,ç€Ä,Ñ[]o,µ,ðŽó,~Žæ,è[]A,»ìfV tfgefEjFfA,ÉfVtfgefEjFfA,ÉfVtfgefEjFfA,ÉfVtfgefEjFfA,ÉŠÖ,·,é[]«—^“í,É[]_“í[]«,ð[]— ¶,µ[]APPP ,ðŽg,ª,±,Æ,ð,“Š©,ß,µ,Ü,·[]B

PPP fA[]flfEfNf^ff,Á,í[]AfNf%ofCfAf“fg,í[]AIPX[]ATCP/IP[]A,“,æ,Ñ NetBEUI ,ð“C^Ó,É‘g,Ý[]#,í,¹,ÄŽg,ª,± ,Æ,ª,Ä,«.,Ü,·[]B,±,ì,½,ß[]AWindows Sockets[]ANetBIOS[]A,Ü,½,Í IPX fCf“f^[]ftfFfCfX— p,É[]í[]_“³,è,½fAfVfŠfP[]fVf#f“,ðfŠf,[]fg,ì Windows NT Workstation fRf“fsf...[]f^,ÅŽÄ[]s,Á,«.,Ü,·[]B

PPP ,í[]AfŠf,[]fg fAfNfZfX,ì·W[]€<KŠi,É,È,Ä,Ä,ç,Ü,·[]B

fŠf,[]fg fAfNfZfX fvf[]fgfRf<,ì<KŠi,í[]AIETF (Internet Engineering Task Force) ,È,Ç,æ€ö·z,·,é "RFC" (Request for Comments) ,É‘è<` ,³,è,Ä,ç,Ü,·[]BCE»[]Ý,ìfo[]fWf#f“,ì Windows NT RAS ,ðfTfj[]fg,µ,Ä,ç,é RFC ,í[]AZÝ,ì,Æ,“,è,Ä,·[]B

- RFC 1549 HDLC ftf€[]f€“à,ì PPP
- RFC 1552 PPP IPXCP (Internetwork Packet Exchange Control Protocol[]F fCf“f^[]flfbfgf[]fN fofPfbfg€ðŠ·[]\$€äfvf[]fgfRf<)
- RFC 1334 PPP “F[]Øfvf[]fgfRf<
- RFC 1332 PPP IPCP (Internet Protocol Control Protocol[]F fCf“f^[]flfbfg fvf[]fgfRf<·[]\$€äfvf[]fgfRf<)
- RFC 1661 LCP (Link Control Protocol[]F fŠf“fN[]\$€äfvf[]fgfRf<)
- RFC 1717 PPP f}f‘f‘ fŠf“fN fvf[]fgfRf<

fŠf,[]fg fNf%ofCfAf“fg,ðfT[]fh fp[]fefB,ì PPP fT[]fo[]L,É[]Ú‘± ,·,é[]è[]#[]Af[]fOfjf“,·,é,É,í[]Af_fCf,,f<€ä,Éf^[]f~fif< fXfNfŠfVfg,ð<N“@,µ,È,~,è,î,È,ç,È,ç,± ,Æ,ª, ,è,Ü,·[]BfT[]fo[]L,ðfŠf,[]fg fNf%ofCfAf“fg,É[]APPP ftf€[]f€ f,[]fh,É[]Ø,è‘Ö,ì,é,± ,Æ,ð‘É‘m,µ,Ä,«.,½,ç[]Aft[]fU[]L,ìf^[]f~fif<,ð<N“@,µ[]Af[]fOfjf“,ðŠ@—¹,µ,È,~,è,î,È,è,Ü,¹,ñ[]B

SLIP (Serial Line Internet Protocol[]F fVfŠfAf<%ñüfCf“f^[]flfbfg fvf[]fgfRf<)

SLIP (Serial Line Internet Protocol[]F fVfŠfAf<%ñüfCf“f^[]flfbfg fvf[]fgfRf<) ,í[]A‘É[]í,í UNIX fŠf,[]fg fAfNfZfX fT[]fo[]L,ÅŽg,í,è,Ä,ç,é<CEŽ@,lfŠf,[]fg fAfNfZfX<KŠi,Á,·[]BWindows NT f_fCf,,f<fAfbv flfbfgf[]fN fNf%ofCfAf“fg,í[]ASLIP ,ðfTfj[]fg,µ,Ä,ç,é,½,ß[]ASLIP <KŠi,ðŽg,Á,Ä,ç,éfŠf,[]fg fAfNfZfX fT[]fo[]L,É,à[]Ú‘±,Á,«.,Ü,·[]B,±,è,É,æ,è[]AWindows NT Version 3.5 fNf%ofCfAf“fg,í[]A‘à<K-ì,ÉfCf“fXfg[]f< fX[]fX,ì UNIX fT[]fo[]L,É[]Ú‘±,Á,«.,Ü,·[]B,½,¾,µ[]AWindows NT fŠf,[]fg fAfNfZfX fT[]fo[]L,í[]ASLIP fNf %ofCfAf“fg,ðfTfj[]fg,µ,Ä,ç,Ü,¹,ñ[]B

- ,±,ìfo[]fWf#f“,ì Windows NT RAS ,ðfTfj[]fg,µ,Ä,ç,é RFC ,í[]AZÝ,ì,Æ,“,è,Ä,·[]B
- RFC 1144 ‘á‘~fVfŠfAf< fŠf“fN—p,ì TCP/IP fwfbf_[]L,ì^³[]k
- RFC 1055 fVfŠfAf<%ñüfCf“f^[]f^fof%of€,ì“‘—[]F SLIP

Microsoft RAS fvf[]fgfRf<

Microsoft RAS fvf[]fgfRf<, í[]AMicrosoft "ÆŽ©, ðfŠf, []fg fAfNfZfX fvf[]fgfRf<, Å[]ANetBIOS <KŠi, ðfTf| []fg, µ, Ä, ç, Ü, ·[]BMicrosoft RAS fvf[]fgfRf<, í[]A^È'O, ð, ·, x, Ä, ðfo[]fWf#f", ð Microsoft RAS , ÉŽg, í, è, Ä, ç , Ü, ·[]B, Ü, ½[]AWindows NT Version 3.1[]AMS-DOS[]A, ", æ, Ñ LAN Manager fNf%ofCfAf"fg, Å, àŽg, í, è, Ä, ç , Ü, ·[]B

Windows NT Version 3.1 , ðfT[]fo[][, Éf_fCf, f<fCf" , ·, éê[]#[]ARAS fNf%ofCfAf"fg, í[]ANetBEUI fvf[]fgfRf<, ðŽg, í, È, ·, è, Í, È, è, Ü, ·, ñ[]B, ±, ð[]ê[]#[]ARAS fT[]fo[][, í[]AfŠf, []fg fNf%ofCfAf"fg, É'í, µ, Ä "fQ[]fQfEjFfC" , Æ, µ, Ä<@"\, µ[]ANetBEUI[]ATCP/IP[]A, Ü, ½, í IPX fvf[]fgfRf<, ðŽg, ðfT[]fo[][, ÉfŠf, []fg fNf %ofCfAf"fg, ðfAfNfZfX, Ä, «, é, æ, ð, É, µ, Ü, ·[]B

NetBIOS fQ[]fQfEjFfC

NetBIOS fQ[]fQfEjFfC, í[]A^È'O, ðfo[]fWf#f", ð Windows NT , Æ LAN Manager , ÅŽg, í, è, Ä, ç , ½fA[]fLfefNf`ff, Ä, ·[]BWindows NT , í[]ANetBIOS fQ[]fQfEjFfC, ð`ø, «'±, «fTf|[]fg, µ, Ä, ç, Ü, ·[]BfŠf, []fg fT[]fU[][, í NetBEUI , ðŽg, Ä, Ä[]Ú'±, µ, Ü, ·, ð[]ARAS fT[]fo[][, í•K—v, É%ž, ¶, Ä[]AfPpPfbfg, ð IPX , Ü, ½, í TCP/IP , É•İŠ, µ, Ü, ·[]B, ±, ð<@"\, É, æ, è[]Aft[]fU[][, í[]A•i[]", ðfvf[]fgfRf<, ð[]—[]Ý, ·, é LAN , Åfjfbfgf[]fNŽ'CE¹, ð<ð— L, Ä, «, Ü, ·[]B, ½, ¾, µ[]AIPX , Ü, ½, í TCP/IP , ðŽg, ðfAfVfŠfP[]fVf#f", ðfNf%ofCfAf"fg'ð, ÅŽÀ[]s, ·, é, ± , Æ, í, Ä, «, Ü, ·, ñ[]BfŠf, []fg fNf%ofCfAf"fg, ð NetBEUI , ðŽg, ð[]ê[]#[], í[]A'Á, ÉŽw'è, µ, È, ç, ©, —, è NetBIOS fQ[]fQfEjFfC, ðŽg, í, è, Ü, ·[]B

NetBIOS fQ[]fQfEjFfC, ð<@"\, ð^è—á, Æ, µ, Ä[]ALotus Notes fT[]fU[][, ðfŠf, []fg flfbfgf[]fN fAfNfZfX, ð<" , °, ç, è, Ü, ·[]BLotus Notes , í[]Af_fCf, f<fAfbfv[]Ú'±, ð<@"\, ð'ñ<Ý, µ, Ä, ç , Ü, ·, ð[]Af_fCf, f<fAfbfv, ð[]Ú'±æ, í[]ANotes fAfVfŠfP[]fVf#f", ÉCEÀ'è, ð, è, Ä, ç, Ü, ·[]BRAS , í[]A, ±, ð, æ, ð , È[]Ú'±<@"\, ð•à'« , µ[]A'á, çfRfXfg, Å, ·, çfPftfH[]f]f"fx, ðŽÀCE», Ä, «, éfŠf, []fg flfbfgf[]fN<@"\, ð Notes fT[]fU[][, É'ñ<Ý, µ, Ü, ·[]BRAS , Ä, í[]ANotes , É[]Ú'±, Ä, «, é, ¾, —, Ä, È, []Aftf@fCf< fT[]fRfX, Æ^ò[]üfT[]fRfX, à[]A, Ü, ©, ðfjfbfgf[]fNŽ'CE¹, Ö, ðfAfNfZfX, à'ñ<Ý, ð, è, Ü, ·[]B

WAN f1fvfvfj

fNf%ofCfAf"fg,đFT[]fo[],ÉÚ'±,·,é,É,Í[]A"d~b%ñü,Æf,fff€[]AISDN[]AX.25[]ARS-232C Null f,fff€[]A,·,æ,Ñ PPTP (Point-to-Point Tunneling Protocol) ,đ~—p,Á,«,Ü,·[]B,±,±,Á,Í[]A,±,é,ç,lf1fvfvfj",·É,Á,ç,Ä[]à-¾,µ,Ü,·[]B

"d~b%ñü,Æf,fff€

[]Á,à^è"É"l,ÉŽg,í,é,Ä,ç,é WAN []Ú'±,Í[]A'É[]í,lfAfif[]fOŽ@ "d~b%ñü,Æf,fff€,đŽg,Á,½[]Ú'± ,Á,·[]B'É[]í,lfAfif[]fOŽ@ "d~b%ñü,Í[]A[]çŠE't,Á~—p,Á,«,é,í,Á[]A[]íŽž^Ú" @ ,µ,Ä,ç,éft[]fU[][,l RAS ,É'í,·,éj[]fY,É,à%ž,í,é,±,Æ,ª,Ä,«,Ü,·[]B'É[]í,lfAfif[]fOŽ@ "d~b%ñü,Í[]A[]PSTN (Public Switched Telephone Network[]F CEö[]OCEđŠ·"d~b-Ô) ,Ü,½,Í POTS (Plain-old Telephone Service[]F 'É[]í"d~bf[]fX) ,ÆCEÄ,í,é,±,Æ,à, ,è,Ü,·[]B

Windows NT ,ÆCEÝŠ·[]«,ì, éf,fff€,Í[]A,·,æ,» 200 Ží—p, ,è,Ü,·[]B,Ü,½[]A[]H<Æ<KŠi,É[]€<' ,µ,Ä,ç ,é,Ü,Æ,ñ,ç,lf,fff€,Í[]A'ŠCEÝ,É%o^—p,Á,«,Ü,·[]B,½,¾,µ[]ACEÝŠ·[]«,ì,È,çf,fff€,đŽg,±,Æ[]A—Šú,µ,È,ç-â'è,ª'½",·,é,±,Æ,ª, ,è,Ü,·[]B,±,ì,æ,±,É-â'è,đ-h, @ ,É,Í[]AfNf%ofCfAf"fg,ÆfT[]fo[],Á"·,¶Ží—p,lf,fff€ ,đŽg,Á,Ä,¾,¾,ç[]B

f,fff€,lCEÝ[]o,Í[]AZ@ "®"l,É[]s,í,é,Ü,·[]Bf,fff€,lŽ@ "®CEÝ[]o<@"\,Í[]AfCf"fXfg[]f<,³,é,Ä,ç,é,fff€,ª·s-¾,É[]è[]±,É (,½,Æ,í,Í[]A"à' f,fff€,ì[]è[]±,É,ç)[]A"Á,É·Ö—~ ,Á,·[]B

fT[]fh fp[]fefB,lf,fff€ fv[]f<,à[]AfNf%ofCfAf"fg'±,Ü,½,lfT[]fo[]['±,ÁŽg—p,Á,«,Ü,·[]Bf,fff€ fv[]f<,đ RAS ,ÁŽg—p,Á,«,é,æ,±,É,·,é,É,Í[]AfRf"fgf[]f< fp[]f<,ì [f]fbfgf[]fN] ,đŽg,Á,ÄY'è,µ,Ü,·[]Bf,fff€ fv[]f<,ì[]Ú[]x,É,Á,ç,Ä,Í[]Af,fff€ fv[]f<,lf}fj...fAf<,đŽQ[]Æ,µ,Ä,¾,¾,ç[]B

Windows NT ,Á,Í[]Af,fff€,lf[]f^ ^³[]k<@"\,ÆfGf%o[][]SCEä<@"\,đ~—p,Á,«,Ü,·[]B,½,¾,µ[]ARAS ,lf ftfgEJfFA^³[]k<@"\,đŽg,±,Æ[]Af,fff€,É,æ,éft[]f^ ^³[]k,æ,è,.,çpftfH[]f}f"fx,đ"¾,é,±,Æ,ª,Ä,«,Ü,·[]B

ISDN

RAS ,đŽg,±[]íY,lfŠf,[]fg ftfcfg,Á WAN []Ú'±,đ[],'~%»,·,é,É,Í[]AISDN (Integrated Service Digital Network[]F '[]±fffWf^f< fT[]fX-Ô) %ñü,đŽg,ç,Ü,·[]B'É[]í,Í" d~b%ñü,Á,Í[]A^è"É"l,É'É[]M'—"x,í-^·b 9600 frfbfg (bps) ,Á,·ª[]AISDN %ñü,ì'É[]M'—"x,Í[]A64kbps ,Ü,½,í 128kbps ,Á,·[]B

ISDN %ñü,Í[]A"d~b%ñüŽĐ,É^È—Š,µ,ÄfT[]fo[]['±,ÆfŠf,[]fg'±,ì— ¼·ù,lfTfcfg,É~[]Y,µ,È,·,é,í,È,è,Ü,¹,ñ[]B,Ü,½[]AISDN ,đ~—p,·,é,É,Í[]AfT[]fo[][,ÆfŠf,[]fg fNf %ofCfAf"fg,ì—¼·ù,É[]Af,fff€,ì'ä,í,è,É ISDN f[]fh,²fCf"fXfg[]f<,³,é,Ä,ç,é·K—v,ª, ,è,Ü,·[]BISDN ,ì<@Ší,Æ %ñü,É—v,·,é"i—p,Í[]Af,fff€,Æ" d~b%ñü,đŽg,±[]è[]±,æ,è,.,,É,è,Ü,·ª[]A[]Ú'±ŽžŠÖ,ª'ZžžŠÖ,Ä[]i,±,ì,Á[]A —~—p—ç<à,đ[]B-ñ,Á,«,é,±,Æ,à, ,è,Ü,·[]B

1 -{,ì ISDN %ñü,É,Í[]A64Kbps ,Äf[]f^ ,đ"~—,·,é B f'fff[]f<,ª 2 ,Á,Æ[]A16Kbps ,Äf[]f^ ,đ"~— ,·,é[]M[]t'—Žó[]M—p,ì D f'fff[]f<,ª 1 ,Á·t,ç,Ä,ç,Ü,·[]BŠe B f'fff[]f<,Í[]A'P"Æ,lf[]fg,Æ,µ,Ä<@"\,·,é,æ,±,É[]\ []- ,Á,«,Ü,·[]B,Ü,½[]AISDN fhf%ofCfo,ìŽí—p,É,æ,Á,Ä,Í[]A·i[]",lf'fff[]f<,đ"[]±,µ,ÁŽg— p,Á,«,é[]è[]±,à, ,è,Ü,·[]B,Á,Ü,è[]A2 ,Á,ì B f'fff[]f<,Á'P^è,lf[]fg,Æ,µ,Ä<@"\,·,é,æ,±,É[]\ []- ,µ,Ä[]A,æ,è[]L,ç'Ñ^æ·[],đCEÁ'è"l,ÉŠ,,è"—,Á,é,±,Æ,ª,Ä,«,Ü,·[]B,±,ì,æ,±,É[]\[]- ,·,é,Æ[]A%ñü—"x,í 128 KBps ,Ü,ÁCEüä,µ,Ü,·[]Bf'fff[]f<,ì"[]±,É,lfhf%ofCfo,²,Æ,ÉCEÁ—L,ì·úŽ@,ª[]i,ç,é,Ä,ç,é,½,ß[]AfNf %ofCfAf"fg,ÆfT[]fo[],ì—¼·ù,Á"·,¶fhf%ofCfo,Æ"·,¶<@Ší,đŽg,í,È,·,é,í,È,è,Ü,¹,ñ[]B

X.25

X.25 ,Í[]AWAN []Ú'±—p,É[]YCEv,³,é,½·W[]€,lfp[]PfbfgCEđŠ·É[]Mfv[]fgfRf< (,Ü,½,lfgf%of"fXf[]fg) ,Á,·[]B Windows NT RAS ,Í[]APAD (Packet Assemblers/Disassemblers) ,Æ X.25 fXf}[]fg f[]fh,đŽg,Á,Ä[]AX.25 <KŠi,ÉŠí,Á,Í[]Ú'±,đfT[]fg,µ,Ü,·[]B,Ü,½[]APAD ,áfXf}[]fg f[]fh,ì'ä,í,è,É[]Af_fCf,,f<Afbfv[]Ú'±,đ'ñ<Y,·,é X.25 'É[]MŽ-<ÆŽÖ (Sprintnet ,â Infonet ,É,ç) ,Æf,fff€,đ~—p,·,é,±,Æ,à,Á,«,Ü,·[]B

RS-232C Null f,fff€

"·,¶[]è[]Š,É·i[]",lffbfgf[]fN,ª, ,è[]A,» ,è,ç,ª"~—[]"l,É[]Ú'±,³,é,Ä,ç,È,ç,Æ,µ,Ü,·[]B,±,ì,æ,±,É[]è[]±,É[]A1

'ä,lfRf"fsf...[f^,©,ç,»è,ç,lfjfbfgf[fn[ã,ìŽ'CE¹,ÉfAfNfZfX,·,é,É,í[ARS-232C Null f,fff€,ðŽg,ç,Ü,·BfNf %ofCfAf"fg,í[ARS-232C fP[fuf<,ðŽg,Á,ÄfNf%ofCfAf"fg,ì COM f[fg,Æ RAS fT[fof[.ì COM f[fg,ðÚ'± ,μ[ARAS ,ðŽg,Á,Äfjfbfgf[fn,ÉfAfNfZfX,μ,Ü,·B

,Ü,½[ARAS fT[fof[,©,ç,· —□"l,É<ß,,ÉfRf"fsf...[f^,ª^É'u,μ,Ä,ç,é[è[± (fP[fuf<,ì'·,ª,ª 50 ftfB[fg (-ñ 15 m) -ç-ž,ì[è[±])[ARS-232C Null f,fff€,í[Afjfbfgf[fn f[fh,ì'ä,í,è,Æ,μ,Ä,àŽg—p,Á,«,Ü,·B

PPTP (Point-to-Point Tunneling Protocol [F fJfCf"fg fc[fJfCf"fg fgJfŠf"fo fvJfJfRf<])

'É[í[ARAS fT[fof[,í[AfAfif[foŽ@ "d"b%ñü[AISDN[A,Ü,½,í X.25 fJfBfgf[fn,ÉÚ'± ,ª,è,Ä,·,è[AfŠf, [fg fT[fU[.í[A,±,è,ç,lfjfbfgf[fn,ð%î,μ,ÄfT[fof[,ÉfAfNfZfX,μ,Ü,·BWindows NT Version 4.0 ,ì RAS ,Á,í[A[ÁV,ì PPTP (Point-to-Point Tunneling Protocol [F fJfCf"fg fc[fJfCf"fg fgJfŠf"fo fvJfJfRf<), ðŽg,±,±,Æ,É,æ,è[AfCf" f^ [fjfbfg,ð%î,μ,½fŠf, [fg fAfNfZfX,ª%Á"\ ,É,È,è,Ü,μ,½[B

PPTP ,í[Af}f<f' fvJfJfRf<,ì VPN (Virtual Private Network [F %¼'zfvf%ofCfx[fg fJfBfgf[fn), ðfTf[[fg,·,é[ÁV,lfjfbfgf[fn fefNfmf[W,Á,·BfŠf, [fg fT[fU[.í[APPTP ,ðŽg,±,±,Æ,É,æ,è[AISP (Internet Service Provider [F fCf" f^ [fjfbfg fT[fX fvJfJfRf<])

,Éf_fCf,,f<fCf",·,é,©[A,Ü,½,lfCf" f^ [fjfbfg,É'¼[ÚÚ'±,μ[AfCf" f^ [fjfbfg,ð %î,μ,ÄŠé<Æfjfbfgf[fn,É^À'S,ÉfAfNfZfX,Á,«,Ü,·BPPTP ,É,í[AŽŸ,ì,æ,±,É—~" _ ,ª ,è,Ü,·B

- " ` ' —, É — v , · , é " i — p , i [í Ç ,
- f n [[f h f E f f A , É — v , · , é " i — p , i [í Ç ,
- Š Ç — [[ã , i · % ' S , i Ç E y Ç ,
- f z f l f ... f Š f e f B , i Ç ü [ã

fZfLf...fŠfefB<@”

Windows NT ,íA^À'S,È“®ìSĀ<«„đ'ñ<Ÿ,·,é,½,β,É□AC-2 fĈfxf< (•Ă□'□'-h'□□È) ,lfZfLf...fŠfefB,ÉŠÖ,·,é—
vĈ□,đ-ž,½,·,æ,α,É□YĈEv,³,é,Ā,č,Ü,·□BWindows NT ,lfZfLf...fŠfefB<@”\,É,íAZŸ,ì,æ,α,È“Á'¥,ª, ,è,Ü,·□B
▪ fVfXfef€ fŠf□[fX,Ö,lfAfNfZfX,đĈĀ•Ē,É□SĈĀ,Ā,«„Ü,·□B
▪ ,·,×,Ā,lfVfXfef€ fAfNfZfX,đ<L~^,μ□AŠĀ□,·Ā,«„Ü,·□B
▪ fVfXfef€,ÉfAfNfZfX,·,é,É,í□AfpfXf□□[fh,ª•K—v,Ā,·□B,Ü,½□AŠĀ□, <L~^,ªŽc,è,Ü,·□B

Windows NT Server ,Ā,í□Afhf□fCf“,ìM—ŠŠÖĈEW,Æ□A'P^êfIfbfgf□□[fN f□fOfIf“ f,fff<,đ□ì—p,μ,Ā,č
,Ü,·□B,±,lf,fff<,Ā,í□A, ,éfhf□fCf“,lf□□[fU□[,ÆfOf<□[fv,É□A,»„lfhf□fCf“,đ□M—Š,μ,Ā,č
,é•Ē,lfhf□fCf“,ìŽ'Ĉ¹,Ö,lfAfNfZfX,đ<—
%oĀ,Ā,«„Ü,·□B“F□Ø,³,é,é,Æ□Aft□[fU□[,É,lfIfbfgf□□[fN□ā,ìŽ'Ĉ¹,ÉfAfNfZfX,·,é□é□±,É•K—
v,ÉfAfJfEf“fg□î•ñ,ª—^,·,ç,è,Ü,·□BfIfbfgf□□[fN□ā,ìŽ'Ĉ¹,Ö,lfAfNfZfXĈE ,ª•K—v,É,Ē,Ā,½,Æ,«„í□A□í,É,±
,lfAfJfEf“fg□î•ñ,ªŽg,í,é,Ü,·□BWindows NT Server fRf“fsf...□[f^,í□A•” —□“i,É^À'S,Ā, ,è,í□Aƒ
ftfgfEfFfA,đŽg,Ā,ĀŠO” ,©,çŠ@'S,ÉŽÖ'f,Ā,«„Ü,·□B

,±,ì,æ,α,È'P^êfIfbfgf□□[fN f□fOfIf“ f,fff<,í□ARAS ft□[fU□[,É,à“K—p,³,é,Ü,·□BRAS fAfNfZfX,í□AWindows
NT ,ìŠeft□[fU□[fAfJfEf“fg,É'í,μ,ĀĈĀ•Ē,É<—%oĀ,Ā,«„Ü,·□BfIfbfgf□□[fN,Éf_fCf,,f<fCf“,·,é<—%oĀ,đŠĈ—□ŽÖ,ª
—^,·,é,Æ□Aft□[fU□[,í□AŠeŽ©,lfhf□fCf“ f□fOfIf“,đŽg,č□ARAS ,đ%oî,μ,ĀfIfbfgf□□[fN,É□Ú±,Ā,«„é,æ,α
,É,Ē,è,Ü,·□BRAS ,É,æ,Ā,Ā“F□Ø,³,é,é,Æ□Aft□[fU□[,í□Af□fOfIf“,μ,½fhf□fCf“,ìŽ'Ĉ¹,Æ□A,»„lfhf□fCf“,đ□M—
Š,μ,Ā,č,éfhf□fCf“,ìŽ'Ĉ¹,đŽg—p,Ā,«„é,æ,α,É,Ē,è,Ü,·□B

,³,ç,É□AWindows NT ,É,í□AŠĀ□, —p,lfCxf“fg frf...□[fA,ª—p^Ó,³,é,Ā,č
,Ü,·□BfVfXfef€□AfAfVfŠfP□[fVfƒf“□A,“ ,æ,ñfZfLf...fŠfefB,ÉŠÖ,·,é,·,×,Ā,lfCxf“fg,í□A^À'S,ÉŠĈ—□,³,é,Ā,č
,é'+%o>,lf□[f^fX□[fX,É<L~^,³,é,Ü,·□B“K□Ø,ÈĈ ĈĀ,ª, ,é,í□AfIfbfgf□□[fN□ā,ì,ç,±
,©,ç,Ā,à,»„lf□[f^fX□[fX,đŽQ□Æ,Ā,«„Ü,·□BfVfXfef€ fZfLf...fŠfefB,đ□NŠQ,μ,æ,α
,Æ,μ,½,è□ACE ĈĀ,đŽ□,½,·,ÉfT□[frfX,đŠJŽn,Ü,½,í'âŽ~ ,μ,æ,α,Æ,μ,½,è□A•ÚĈi,³,é,Ā,č
,éŽ'Ĉ¹,ÉfAfNfZfX,μ,æ,α,Æ,·,é,Æ□A,»„ì'€□,ªfCxf“fg f□fO,É<L~^,³,é,Ü,·□BŠĈ—
□ŽÖ,í□A,»„ì<L~^,đŽQ□Æ,Ā,«„Ü,·□B

RAS fT[fO]

Windows NT Server ,lŠÇ—ŹŹ,íAšf,fg fAfNfZfXŠÇ—ft[fefBfŠfefB,đŽg,Á,ĀAfšf,fg fAfNfZfX
fT[fO],íŠÇEäAfT[fU],íŽ!AfAfNfZfX,í-%ĀA,“,æ,Ńšf,fg fAfNfZfX fgf%ftfBfN,íŠŽ<,đšs,α
,±,Æ,ā,Ā,«,Ü,·Bšf,fg fAfNfZfXŠÇ—ft[fefBfŠfefB,Źg,č•ú,É,Ā,č,Ā,íARASadmin.hlp ,đŽQ/Æ,μ,Ā,-
,¾,¾,čB

RAS fT[fO],É,íAf}f<f f[fg fAf_fvf^,Ü,½,lf,fff€ (□•ā,ÉfpftfH[f]f“fX,đ“¾,é,É,íA9600bps ^Èā,lf,fff€
,đ,“š©,β,μ,Ü,·)AfAfifFOŽ@“d~b%ñü□A,Ü,½,í,Ü,©,ìCE`Ô,ì WAN □Ú±,ā•K—v,Ā,·B,Ü,½□ARAS
fT[fO],É,íARAS fftfgfEfffA,afCf“fXfg□f<,¾,é,Ā,č,È,·,é,í,È,è,Ü,¹,ñBRAS
fT[fO],đŽg,Á,ĀfBfBfgf□fN,ÉfAfNfZfX,Ā,«,é,æ,α,É,·,é□é□#,íAfBfBfgf□fN,²,Æ,ÉCEĀ•É,lfBfBfgf□fN
fAf_fvf^ f□fh,đCf“fXfg□f<,μAŠeflBfBfgf□fN,É□Ú±,μ,É,·,é,í,È,è,Ü,¹,ñB

RAS fT[fO],íA□Ā%o,É RAS ,đfZfBfgfAfBfv,·,é,Æ,«,É□□—,¾,é,Ü,·B,±,ì,Æ,«,É□AfNf
%ofCfAf“fg,afBfBfgf□fN`S`ì,ÉfAfNfZfX,Ā,«,é,æ,α,É,·,é,©□A,Ü,½,í RAS fT[fO],É,¾,~fAfNfZfX,Ā,«,é,æ,α
,É,·,é,©,đŽw`è,μ,É,·,é,í,È,è,Ü,¹,ñB,Ü,½□ALAN ,ĀŽg,afvf□fgfRf<(IPX□ATCP/IP□A,Ü,½,í NetBEUI)
,Æ□A“F□Ø^Ā+%o»,lfBfBfgf“đ`đ,μ,É,·,é,í,È,è,Ü,¹,ñBšf,fg fAfNfZfX fvf□fgfRf<,Æ LAN
fvf□fgfRf<,í□Ú×,É,Ā,č,Ā,íA,±,lfwf·fv,ì,».,¾,é,ÉŠY“—,·,é”•ā,đŽQ/Æ,μ,Ā,¾,¾,čB

RAS fT[fO],lf□fg,íA□Ā•É,É□□—,μ,Ü,·B,».,é,¾,é,lf□fg,íA[f_cf,·fAfEfG,ì,Ý]□A[...□M,ì,Ý]□A,Ü,½,í
[f_cf,·fAfEfG,Æ’...□M],É□Y`è,Ā,«,Ü,·B,±,é,ç,í□Y`è,ā“K—p,¾,é,é,í,í□A,·,x,Ā,lf□fg,Ā,í,È,□AŽw`è,μ,½f
□fg,É,¾,~,Ā,·B,½,Æ,í,íAfNf%ofCfAf“fg,afBfBfgf□fN`S`ì,ÉfAfNfZfX,Ā,«,é,æ,α,É□ARAS fT[fO],í COM1
,đ...□M—p,É□ACOM2 ,đf_cf,·fAfEfG—p,Æ’...□M—p,É□□—,Ā,«,Ü,·B,±,í□é□#Afšf,fg
ft[fU],í,ç,ç,ì COM f□fg,É,àR□f_cf“Ā,«,Ü,·,āAf□□fj< ft[fU],ā“□M—p,ì RAS fR□f<,ÉŽg—
p,Ā,«,é,ì,í□ACOM2 ,¾,~,Ā,·B

fCxf“fg,ÆfGf%□,íAWindows NT RAS fNf%ofCfAf“fgā,“,æ,ŃfT[fO],lfCxf“fg frf...
□fA,É~L^¾,é,Ü,·BfCxf“fg frf...□fA,lf□FO,đ²,x,é,±,Æ,É,æ,è□A-â`è,ìCE`^ö,đ“Ā`è,Ā,«,Ü,·B

RAS ,đCf“fXfg□f<,μA□□—,·,é,É,íAfRf“fg□□f< fpflf<,ì [fBfBfgf□fN] ,đŽg,č
,Ü,·B,Ü,½AfT□fRfX,lfXf^□fgfAfBfv flfvfVfj“đŽw`è,·,é,É,íAfRf“fg□□f< fpflf<,ì [fT□fRfX] ,đŽg,č
,Ü,·B

Windows NT Server ,ì RAS ,Ā,íA□Ā`ā 256 ,lfšf,fg fNf%ofCfAf“fg,ā RAS
fT[fO],Éf_cf,·fAfCf“Ā,«,Ü,·BRAS fT[fO],íAfNf%ofCfAf“fg,afBfBfgf□fN`S`ì,ÉfAfNfZfX,Ā,«,é,æ,α,É□
□—,·,é,±,Æ,à□A,».,ì RAS fT[fO],íŽ`CE¹,É,μ,©fAfNfZfX,Ā,«,É,č,æ,α,É□ŠÇĀ,·,é,±,Æ,à,Ā,«,Ü,·B

RAS ,lfCf“fXfg□f<,Æ□□—,í□Ú×,É,Ā,č,Ā,íA□uf_cf,·fAfBfv flBfBfgf□fN (RAS)
,đCf“fXfg□f<,·,é□v,đŽQ/Æ,μ,Ā,¾,¾,čB

LAN fvf[]fgfRf<

Windows NT ,Á,í[]ATCP/IP[]AIPX[]ANetBEUI ,È,Ç,ì LAN fvf[]fgfRf<,Æ[]APPP[]ASLIP[]AMicrosoft RAS fvf[]fgfRf<,È,Ç,ìfŠf,[]fg fAfNfZfX fvf[]fgfRf<,ðfTf[]fg,μ,Ä,ç,Û,·[]BLAN fvf[]fgfRf<,í[]ALAN (f[]fj< fGfŠfA flfbfgf[]fN) ,ð%oi,μ,ÄffpPfbfg,ð“`—,μ,Û,·[]B^è•û[]AfŠf,[]fg fAfNfZfX fvf[]fgfRf<,í[]AWAN (f[]fCfh fGfŠfA flfbfgf[]fN) ,ð%oi,μ,Äff[]f^,ì“`—,ð[]\$CEä,μ,Û,·[]B[]Ú[]×,É,Ä,ç,Ä,í[]A[]ufŠf,[]fg fAfNfZfX fvf[]fgfRf<[]v,ðŽQ[]Æ,μ,Ä,,¾,¾,¾,ç[]B

RAS ,ð[]\[]¬,μ[]AŠù‘¶,ìflfbfgf[]fN,Æ“[]±,·,é[]ê[]±[]AŠù‘¶,ìflfbfgf[]fN,ÄŽg,í,è,Ä,ç,éfvf[]fgfRf<,í[]ACEv %oæ[]ä,ì[]d—v,È—v’f,É,È,è,Û,·[]B

Windows NT RAS ,í[]ATCP/IP[]AIPX[]A,“,æ,Ñ NetBEUI ,ðfTf[]fg,μ,Ä,ç,Û,·[]B,±,±,Ä,ç,xfTf[]fg,Æ,í[]APPP fŠf,[]fg fAfNfZfX<KŠi,É[]),Á,Ä,ç,éŠù‘¶,ì Microsoft[]AUNIX[]A,Û,½,í NetWare flfbfgf[]fN,É[]AWindows NT RAS ,ð“[]±,Ä,«,é,±,Æ,ð^Ó—j,μ,Û,·[]B,Û,½[]AWindows NT RAS fNf%ofCfAf“fg,í[]AŠù‘¶,ì SLIP fx[]fX,ìfŠf,[]fg fAfNfZfX fT[]fo[](Žã,É UNIX fT[]fo[]),É,à[]Ú‘±,Ä,«,Û,·[]B

RAS ,ðfCf“fXfg[]f<,μ[]A[]¬,·,é,Æ[]AŠù,ÉfRf“fsf...[]f^,ÉfCf“fXfg[]f<,¾,è,Ä,ç,éfvf[]fgfRf< (TCP/IP[]AIPX[]A,“ ,æ,Ñ NetBEUI) ,ì,ç,·,è,Ä,à[]ARAS ,ì’—[]MCEÄ,Ñ[]o,μ,Æ’...[]MCEÄ,Ñ[]o,μ,É‘í,μ,ÄŽ©“®“ì,É —LCEø,É,È,è,Û,·[]B

,Û,½[]ARAS ,ðfCf“fXfg[]f<,·,é,Æ,«,É[]AfNf%ofCfAf“fg,ð LAN ‘S’ì,ÉfAfNfZfX,Ä,«,é,æ,±,É,·,é,©,Ç,± ,©,ðŽw’è,μ,È,¬,è,ì,È,è,Û,¹,ñ[]BŽw’è,μ,È,ç[]ê[]±[]Aft[]fU[]),í RAS fT[]fo[](,É,μ,©fAfNfZfX,Ä,«,É,- ,È,è,Û,·[]BTCP/IP ,Û,½,í IPX ,ðŽg,Á,Ä LAN ‘S’ì,ÉfAfNfZfX,Ä,«,é,æ,±,É,·,é[]ê[]±,í[]AIP fAfhfCefX,Û,½,í IPX flfbfg“Ö[]±,ðfT[]fo[](,©,ç’ñ<ÿ,·,é•û-@,à[]¬,μ,È,¬,è,ì,È,è,Û,¹,ñ[]BNetBEUI ,ðŽg,Á,ÄfAfNfZfX,Ä,«,é,æ,± ,É,·,é[]ê[]±,í[]A,±,ì,æ,±,É[]¬,í•K—v, ,è,Û,¹,ñ[]B

ŠÖ~A[]€-Ú

IPX ,Æ RAS

TCP/IP ,Æ RAS

NetBEUI ,Æ RAS

IPX ,Æ RAS

IPX , íA^½,, ì Novell flfbfgf[]fN, ÅŽg, í, è, Ä, ç, é NetWare “ÆŽ©, ðf v f[]fgfRfç, Å, ·BIPX , íA fç[]f efBf“fO%oÄ”\ , Èfv f[]fgfRfç, È, Ì, ÅAŠéçÆ“à flfbfgf[]fN, È“K, µ, Ä, ç, Ü, ·B, ±, ±, Å, íA Windows NT RAS fNf %ofCfAf“fg, ”, æ, ÑfT[]fo[] , ð NetWare IPX flfbfgf[]fN, È“[]fç, , é•û-@, È, Ä, ç, Ä[]à-¾, µ, Ü, ·B[]Ú[]x, È, Ä, ç , Ä, íA[]w flfbfgf[]fN fKfCfh[]x, ðŽQ[]Æ, µ, Ä,, ¾, ¾, ç[]B

Windows NT ,É,æ,é NetWare fTf[]fg

Windows NT RAS fRf“fsf...[]f^ , Å Novell NetWare flfbfgf[]fN, ðŽQ[]Æ, µ, È, ^, Ì, È, ç, È, ç[]è[]fç, íA fNf %ofCfAf“fg fRf“fsf...[]f^ , Å NetWare fŠf_fCfçfNf^ , ðŽA[]s, µ, È, ^, è, Ì, È, è, Ü, ^, ñ[]B, ± , ðfŠf_fCfçfNf^ , íA Windows NT Workstation fRf“fsf...[]f^ , Å, íA “Client Service for NetWare” ,ÆçÈÄ, Ì, è, Ä, ”, è[]A Windows NT Server fRf“fsf...[]f^ , Å, íA “Gateway Service for NetWare” ,ÆçÈÄ, Ì, è, Ä, ç , Ü, ·B

, Ü, ½[]A Windows NT RAS fT[]fo[] , íA AIPX fç[]f^[][]A, ”, æ, Ñ RAS fNf%ofCfAf“fg[]è—p, Ì SAP (Service Advertising Protocol) fG[]fWfFf“fg, Æ, µ, Ä, àç@”\, µ, Ü, ·B BRAS fT[]fo[] , Æ RAS fNf%ofCfAf“fg, íA ARFC 1552 , Å‘èç` , ¾, è, Ä, ç, é PPP IPXCP (Internetwork Packet Exchange Control Protocol)[] fCf“f^[]f flfbfgf[]fN f p fPfbfgçÈðŠ·[]\$çÄfv f[]fgfRfç) , ðŽg, Å, Ä[]AIPX —p, ðfŠf, []fg fAfNfZfX%ñü, ð[] []—, µ, Ü, ·B B[]—, , , é,Æ[]ARAS fT[]fo[] , Å, íA ARAS fNf%ofCfAf“fg, ©, ç NetWare flfbfgf[]fN[]ä, Ì IPX , ð %oì, µ, Ä[]A fTfçfç fT[]f r fX[]A óüfT[]f r fX[]A, ”, æ, Ñ Windows Sockets fAf v fŠfP[]fVfçf” , ð— — p, Å, «, é, æ, x, È, È, è, Ü, ·B

RAS fT[]fo[] , È, æ, è[]A fNf%ofCfAf“fg, íA AIPX flfbfg”Ó[]t, ðŽg, Å, Ä IPX flfbfgf[]fN, È[]Ú‘±, Å, «, é, æ, x , È, È, è, Ü, ·B, Ü, ½[]ARAS fT[]fo[] , íA SAP fG[]fWfFf“fg, Æ, µ, Ä, àç@”\, µ, Ü, ·B Žÿ, È[]AIPX f v f[]fgfRfç, ðŽg, x[]è[]fç, È Windows NT RAS , Å—~—p, Å, «, é, fAfhfçfXŽw‘è, ðf f v fVfçf” , È, Ä, ç, Ä[]à-¾, µ, Ü, ·B

fŠf, []fg fNf%ofCfAf“fg, Ì IPX fAfhfçfXŽw‘è

RAS fNf%ofCfAf“fg, Ì IPX fAfhfçfX, íA •K, , RAS fT[]fo[] , ©, ç‘ñçÿ, ¾, è, Ü, ·B BIPX flfbfgf[]fN”Ó[]t, íA ARAS fT[]fo[] , È, æ, Å, ÄŽç@”@“ì, È[]f[]—, ¾, è, é, ©[]A, Ü, ½, í RAS fT[]fo[] , È[]Ý‘è, ¾, è, Ä, ç , é[]Ä“ì, È flfbfgf[]fN”Ó[]t, ðf v[]fç, ©, ç[]ARAS fNf%ofCfAf“fg, ÈŠ,,, è—, Ä, ç, è, Ü, ·B

IPX flfbfgf[]fN”Ó[]t, ðŽç@”@“ì, È[]f[]—, , é[]è[]fç[]A Windows NT RAS fT[]fo[] , íA NetWare RIP (Routing Information Protocol)[] fç[]f efBf“fO[]ñfv f[]fgfRfç) , ðŽg, Å, Ä[]AIPX flfbfgf[]fN, ÅŽg, í, è, Ä, ç, È, ç IPX flfbfgf[]fN”Ó[]t, ðçÈ‘è, µ, Ü, ·B BRAS fT[]fo[] , íA , » , Ì”Ó[]t, ðfŠf, []fg fNf%ofCfAf“fg, ÈŠ,,, è—, Ä, Ü, ·B flfbfgf[]fN”Ó[]t, ðŽç@”@Š,,, è—, Ä, íA-³çø, È, ·, é, ±, Æ, à, Å, «, Ü, ·B fZfL f... fŠf efB, Ü, ½, ÍŠÄŽç, Ì, ½, B, È flfbfgf[]fN”Ó[]t, ÌŠ,,, è—, Ä, ðŠç— []ŽŽç@[]g, æ[]\$çÈä, µ, ½, ç[]è[]fç, íA f lfbfgf[]fN”Ó[]t, ðŽè@ , ÅŠ,,, è—, Ä, é, ±, Æ, à, Å, «, Ü, ·B BIPX flfbfgf[]fN”Ó[]t, ð RAS fNf%ofCfAf“fg, ÈŠ,,, è—, Ä, é, Æ, «, íA[]d·i , , é flfbfgf[]fN”Ó[]t, ðŠ,,, è—, Ä, Ä, ç, È, ç, ± , Æ, Æ[]A, Ü, ©, Ì NetWare fT[]f r fX, æ RAS —p, Ì IPX fAfhfçfX, ðŠ,,, è—, Ä, é, ±, Æ, æ, ¾, è, ç, ±, Æ, ðŠm”F, µ, Ä, - , ¾, ¾, ç[]B, Ü, ½[]A, ·, x, Ä, ðfNf%ofCfAf“fg, È“ , ðf lfbfgf[]fN”Ó[]t, ðŠ,,, è—, Ä, Ä[]ARAS fT[]fo[] , ©, ç, Ì RIP ‘È‘m, ð[]Ä[]—çÈÄ, È, ·, é, ±, Æ, à, Å, «, Ü, ·B

TCP/IP ,Æ RAS

TCP/IP , íA A , àL, Žg, í, è, Ä, ç, é, v, f, g, f, R, f, <, Ì 1 , Â, Å, ·, B, » , Ì, f, <, [, f, e, f, B, f, "f, O" \—
í, í, A Š, é, <Æ" a, f, l, b, f, g, f, [f, N, Å, A' , a, C, E, Å, Ì, " , " <, ð' , ñ, <Y, , μ, Ü, ·, B

TCP/IP f, l, b, f, g, f, [f, N, Å, í, A, f, N, f, %o, f, C, f, A, f, "f, g, É, IP f, A, f, h, f, C, E, f, X, ð, Y' , è, , μ, È, , , è, , Í, È, è, Ü, , 1, ñ, B, Ü, 1/2, A, f, N, f, %o, f, C, f, A, f, "f, g, É, í, A, -1/4, 'O, ·t, , f, T, [f, r, f, X, Ü, 1/2, Í, -1/4, 'O, %o, ð, C, E, ^ , Ì, Ž, è, 'i, , a, ·K—v, É, È, é, é, è, è, ç, à, , è, Ü, ·, B, ±, ±, Å, í, A, T, C, P, /, I, P, f, l, b, f, g, f, [f, N, ä, Ì Windows NT RAS f, T, [f, o, [, , æ, Ñ, f, N, f, %o, f, C, f, A, f, "f, g, É, æ, é, A, I, P, f, A, f, h, f, C, E, f, X, Ì, Š, , , è" , - , Å, Æ, -1/4, 'O, %o, ð, C, E, ^ , É, Å, ç, Ä, à, -3/4, μ, Ü, ·, B

Microsoft TCP/IP f, v, f, f, g, f, R, f, <, ð, f, l, b, f, g, f, [f, N, É, Ž, Å' , ·, , é, ·, û, -@, É, È, ç, Ä, í, A, w, f, l, b, f, g, f, [f, N, f, K, f, C, f, h, [x, Ì, u' , æ 1 [í, [, @, Microsoft TCP/IP for Windows NT , , , æ, Ñ, Š, Ö, ~, A, f, T, [f, r, f, X, v, ð, Ž, Q, [Æ, μ, Ä, , 3/4, 3, ç, B

RAS f, N, f, %o, f, C, f, A, f, "f, g, Ö, Ì IP f, A, f, h, f, C, E, f, X, Ì, Š, , , è" , - , Å

Windows NT , Å, í, A, M, i, c, r, o, s, o, f, t, T, C, P, /, I, P, f, l, b, f, g, f, [f, N, ä, Å, P, P, P, , ð, %o, î, μ, Å, R, A, S, f, T, [f, o, [, É, ç, Ú' , ±, , , é, Š, e, f, Š, f, [f, g, f, R, f, "f, s, f, ... [f, ^ , É, í, μ, Å, A, f, Z, f, b, f, g, f, A, f, b, f, v, Ž, ž, É, Š, C— Ž, Ö, , a, R, A, S, f, T, [f, o, [, É, Š, , , è" , - , Å, 1/2, Å' , I, È, IP f, A, f, h, f, C, E, f, X, Ì' , í, ^ , ©, ç, A, Ž, © " @ " I, È, IP f, A, f, h, f, C, E, f, X, , a' , ñ, <Y, 3, è, Ü, ·, B

, Ü, 1/2, A, W, i, n, d, o, w, s, N, T, R, A, S, f, N, f, %o, f, C, f, A, f, "f, g, í, A, 'd~b' , É, Ž, w' , è, 3, è, Å, ç, é, , ç, ©, ¶, B, Š, , , è" , - , Å, ç, è, 1/2, IP f, A, f, h, f, C, E, f, X, ð, Ž, g, x, ±, Æ, à, Å, <, Ü, ·, B, ±, Ì, è, è, ç, Å, W, i, n, d, o, w, s, N, T, R, A, S, f, T, [f, o, [, í, A, f, T, [f, U, [, , a' , Å' , è, Ì, f, A, f, h, f, C, E, f, X, ð—v, <, Å, «, é, æ, x, É, [, [, μ, È, , , è, , Í, È, è, Ü, , 1, ñ, B

RAS f, T, [f, o, [, Æ RAS f, N, f, %o, f, C, f, A, f, "f, g, Ì, -1/4, 'O, %o, ð, C, E, ^

TCP/IP f, l, b, f, g, f, [f, N, ä, Ì RAS f, T, [f, o, [, Æ RAS f, N, f, %o, f, C, f, A, f, "f, g, É, í, A, I, P, f, A, f, h, f, C, E, f, X, É, %o, Á, Ì, Å, A, f, R, f, "f, s, f, ... [f, ^ -1/4, ð, IP f, A, f, h, f, C, E, f, X, É, f, } f, b, f, s, f, "f, O, , , é, < @ [, , a, ·K—v, É, È, é, é, è, è, ç, à, , è, Ü, ·, B, W, i, n, d, o, w, s, N, T, f, l, b, f, g, f, [f, N, Å, í, A, W, i, n, s, (Windows Internet Name Service) F, W, i, n, d, o, w, s, f, C, f, "f, ^ [f, l, b, f, g, f, [f, [f, é, f, T, [f, r, f, X) A, f, u, f, [f, [f, h, f, l, f, f, f, X, f, g, É, æ, é, -1/4, 'O, %o, ð, C, E, ^ ADNS (Domain Name System) F, h, f, [f, C, f, "f, [f, [f, é, f, v, f, X, f, e, f, é) A, , , æ, Ñ, H, O, S, T, S, f, t, f, @, f, C, f, <, Æ, L, M, H, O, S, T, S, f, t, f, @, f, C, f, <, Æ, ç, x, A, -1/4, 'O, %o, ð, C, E, ^ , Ì, 1/2, B, Ì 4 , Å, Ì, f, l, f, v, f, f, f, " , ð—~—p, Å, «, Ü, ·, B

RAS f, T, [f, o, [, Å, í, A, f, T, [f, o, [[ä, Å, Ž, Å' , s, , , é, € [, É, A, ±, è, ç, , , x, Å, Ì, -1/4, 'O, %o, ð, C, E, ^ , Ì, Ž, è, 'i, ð, Ž, g—p, Å, «, Ü, ·, B

RAS f, N, f, %o, f, C, f, A, f, "f, g, É, í, A, R, A, S, f, T, [f, o, [[, É, Š, , , è" , - , Å, ç, è, Å, ç, é, W, i, n, s, f, T, [f, o, [, , æ, Ñ, D, N, S, f, T, [f, o, [[, Æ, " , ¶, W, i, n, s, f, T, [f, o, [[, Æ, D, N, S, f, T, [f, o, [[, Š, , , è" , - , Å, ç, è, Ü, ·, B, ±, Ì, Ž, © " @ Š, , , è" , - , Å, ð—³, C, Ø, É, , , é, È, Ì, A, f, C, E, f, W, f, X, f, g, f, Š, ð, ·, Ì, X, μ, Ü, ·, B

IP f, A, f, h, f, C, E, f, X, , a, ·, Ì, X, 3, è, è, ±, Æ, Ì, È, ç, [, < K—Í, È, Ì, f, l, b, f, g, f, [f, N, Å, í, A, R, A, S, f, N, f, %o, f, C, f, A, f, "f, g, Ì, -1/4, 'O, %o, ð, C, E, ^ , É, H, O, S, T, S, f, t, f, @, f, C, f, <, Ü, 1/2, Ì, L, M, H, O, S, T, S, f, t, f, @, f, C, f, <, ð, Ž, g—p, Å, «, Ü, ·, B, f, [f, [f, f, f, < f, h, f, %o, f, C, f, u, [ä, Ì, ±, è, ç, Ì, f, t, f, @, f, C, f, <, ð, Ž, g, x, Æ, [f, f, f, f, é, ð, %o, î, μ, Å, W, i, n, s, f, T, [f, o, [[, É, -1/4, 'O, %o, ð, C, E, ^ —v, <, ð, " , '— , μ, 1/2, è, A, %o, Ž, " š, ð, Ò, Å, 1/2, è, , , é, ·K—v, , a, , è, Ü, , 1, ñ, B

Microsoft TCP/IP f, l, b, f, g, f, [f, N, Ì, -1/4, 'O, %o, ð, C, E, ^ , É, Å, ç, Ä, í, A, w, f, l, b, f, g, f, [f, N, f, K, f, C, f, h, [x, Ì, u' , æ 3 [í, [, @, TCP/IP , Ì, [, [, - , Æ, -1/4, 'O, %o, ð, C, E, ^ f, T, [f, r, f, X, v, ð, Ž, Q, [Æ, μ, Ä, , 3/4, 3, ç, B

IP , É, æ, é, f, T, [f, h, f, p, [f, e, f, B, > f, Š, f, [f, g, f, A, f, N, f, Z, f, X, f, T, [f, o, [, Ö, Ì, U' , ±

Windows NT RAS f, T, [f, o, [[, Å, í, A, f, Š, f, [f, g, f, N, f, %o, f, C, f, A, f, "f, g, , a, L, A, N, [ä, Ì, f, R, f, "f, s, f, ... [f, ^ , Æ, f, T, f, u, f, l, b, f, g, f, A, f, h, f, C, E, f, X, ð, < x —L, , , é, ±, Æ, É, æ, è, A, I, P, f, A, f, h, f, C, E, f, X, ð, [B, -ñ, Å, «, Ü, ·, B

, Ü, ©, Ì, f, [f, [f, [f, [, Ì, Š, f, [f, g, f, A, f, N, f, Z, f, X, f, T, [f, o, [[, Å, í, A, f, Š, f, [f, g, f, N, f, %o, f, C, f, A, f, "f, g, , a, L, A, N, [ä, Ì, f, N, f, %o, f, C, f, A, f, "f, g, Æ, ^ , Ü, È, é, f, T, f, u, f, l, b, f, g, f, A, f, h, f, C, E, f, X, ð, Ž, g, 1/2, È, , , è, , Í, È, è, ç, à, ±, Æ, , a, , è, Ü, ·, B, f, Š, f, [f, g, f, N, f, %o, f, C, f, A, f, "f, g, , a, Ü, ©, Ì, f, [f, [f, [f, [, Ì, Š, f, [f, g, f, A, f, N, f, Z, f, X, f, T, [f, o, [[, É, f, f, C, f, , f, C, f, " , Å, «, Å, à, A, L, A, N, [ä, Ì, Ž, 'C, E, ^ , É, ç, Ú' , ± , Å, «, È, ç, [, è, ç, Å, í, A, f, Š, f, [f, g, f, A, f, N, f, Z, f, X, f, T, [f, o, [[, Ì, [, - , É, Å, ç, Ä, A, Ž, Y, Ì " _ , ð, 2, x, Å, , 3/4, 3, ç, B

f, T, [f, h, f, p, [f, e, f, B, Ì, Š, f, [f, g, f, A, f, N, f, Z, f, X, f, T, [f, o, [[, a, A, v, f, [f, l, v, ('ä—) ARP (Address Resolution Protocol) F, A, f, h, f, C, E, f, X, %o, ð, C, E, ^ v, f, f, g, f, R, f, <, ð, f, T, f, [f, [f, g, μ, Å, ç, È, ç, [, è, ç, Å, í, A, f, Š, f, [f, g, f, N, f, %o, f, C, f, A, f, "f, g, É, í, A, L, A, N, f, N, f, %o, f, C, f, A, f, "f, g, Æ, ^ , Ü, È, é, f, T, f, u, f, l, b, f, g, f, A, f, h, f, C, E, f, X, ð, Š, , , è" , - , Å, È, , , è, , Í, È, è, Ü, , 1, ñ, B, L, A, N, [ä, Å, ^ , é, Ó, Ì, f, T, f, u, f, l, b, f, g, f, A, f, h, f, C, E, f, X, ð, f, Š, f, [f, g, f, N, f, %o, f, C, f, A, f, "f, g, É, Š, , , è" , - , Å, è, æ, x, É, f, T, [f, o, [[, a, [, - , 3, è, Å, ç, é, ©, Ç, x, ©, ð, Š, m" F, μ, Ü, ·, B f, Š, f, [f, g, f, A, f, N, f, Z, f, X, f, N, f, %o, f, C, f, A, f, "f, g, ©, ç, f, ^ [f, Q, f, b, f, g, f, z, f, X, f, g, É, í, μ, Å, A, » , μ, Å, " 1/2, Í, É, f, ^ [f, Q, f, b, f, g

fzfXfg, ©, cfŠf, [fg fAfNfZfX fNf%ofCfAf“fg, É‘Î, μ, Å A ping , đŽg—p, Å, «, é, æ, x, É f f b f g f [fN f [f^ [, a [[[- , 3 , é, Ä, ç, é, ©, Ç, x, ©, đŠm“F, μ, Ü, · B, » , Ì Ě ä [AZÿ, Ì, æ, x, Ê [# [, Å ping , đŽÅ [s, μ, Ü, · B

1 fŠf, [fg fNf%ofCfAf“fg, ©, cf^ [[fQfbfg fT [fo [[AfŠf, [fg fNf%ofCfAf“fg, ©, cfŠf, [fg fAfNfZfX fT [fo [[AZÿ, É AfŠf, [fg fAfNfZfX fT [fo [, ©, cf^ [[fQfbfg fT [fo [[

2 f^ [[fQfbfg fT [fo [, ©, cfŠf, [fg fNf%ofCfAf“fg Af^ [[fQfbfg fT [fo [, ©, cfŠf, [fg fAfNfZfX fT [fo [[AZÿ, É AfŠf, [fg fAfNfZfX fT [fo [, ©, cfŠf, [fg fNf%ofCfAf“fg

TCP/IP f f b f g f [fN ä, Ì SLIP

SLIP (Serial Line Internet Protocol [F V f Š f A f < % ñ ü f C f “ f ^ [[f f b f g f v f [f g f R f <) , Ì T f [[f g, É, æ, è A Windows NT RAS fNf%ofCfAf“fg, Í ASLIP fŠf, [fg’ É M < K Š i, đŽg, Á, Ä, ç, é f T [[f h f p [[f e f B, Ì Š f, [fg fAfNfZfX fT [fo [, É Ú ±, Ä, «, Ü, · B fNf%ofCfAf“fg, a SLIP , đŽg—p, Å, «, é, Ì, Í A “ d ~ b’ , Ì f G f “ f g f Š, É Y’ è, 3, é, Ä, ç, é f [[fg, a V f Š f A f < COM f [[fg, Ì é [# , 3/4, ˘ , Å, · B

f t [[f U [, a SLIP f T [fo [, É Ú ±, ·, é, Æ A UNIX SLIP f T [fo [, É ‘ Ì ~ b “ i, É f [[f O f f “ , ·, é, 1/2, ß, Ì f ^ [[f ~ f i f < f _ C f A f [fo, a • Ž [, 3, é, Ü, · B UNIX f [fo f f “ , a — D [æ, 3, è [ARAS f [fo f f “ , a • Ž [, 3, é, È, ç, æ, x , É, È, è, Ü, · B ^ è “ x [Ú ±, a Š m — §, 3, é, é, Æ AfŠf, [fg f f b f g f [fN f AfNfZfX, Ì t [[f U [, ©, ç “ \$ % ß “ i, É, È, è, Ü, · B

NetBEUI ,Æ RAS

NetBEUI , íA -<K-í, Èf [fNfOf< [fv, â LAN , É“K, μ, ½fvf [fgfRf<, Å, ·BNetBIOS fQ [fgfEfFfC, Æ NetBEUI fNf%ofCfAf“fg fvf [fgfRf<, íA, ·, x, Ä, ì Windows NT RAS fT [fo [,Æ'å·"·ª, ì Windows flfbfgf [fN fNf %ofCfAf“fg, ÉŠù'è, ìÝ'è, ÅfCf“fXfg [f<, ³, è, Ü, ·B^È'O, ìfo [fWf#“ , ì Windows NT ALAN Manager A, ”, æ, Ñ MS-DOS , ì ŠeRAS fNf%ofCfAf“fg, É, íANetBEUI,ª·K—v, Ä, ·B

f_fCf,,f-fAfbfv flfbfgf[]fN (RAS) ,đfCf“fXfg[]f<.,.é

RAS ,đfCf“fXfg[]f<.,.éŽè[]f,íAŠù,ÉfCf“fXfg[]f<.,.é,Ä,č,éflfbfgf[]fN fvf[]fgfRf<,É,æ,Ä,Ä'½-
^Ü,È,è,Ü,·[]BTCPIP ,Ü,½,í IPX fvf[]fgfRf<,đ RAS ,Æ'g,Ý[]f,í,¹,ÄŽg,æ[]è[]f,í[]ARAS
,đfCf“fXfg[]f<.,.é'Ó,É[]A,» ,lfvf[]fgfRf<,đfCf“fXfg[]f<.,.é,Ä,č,É,č[]è[]f[]ARAS ,lfZfbfgfAfbfv,ì[]—
,ÄŽg,æfvf[]fgfRf<,², ,ç, ©, ¶, ßfCf“fXfg[]f<.,.é,Ä,č,É,č[]è[]f[]ARAS ,lfZfbfgfAfbfv,ì[]—
¹CEä,É[]A,» ,lfvf[]fgfRf<,lfCf“fXfg[]f<,đ<.,.é,Éf[]fbfZ[]fW,²·Ž!,³,è,Ü,·[]BŠefvf[]fgfRf<,lfCf“fXfg[]f<·û-
@,É,Ä,č,Ä,í[]A[]wWindows NT Server ftj@[]fXfg fXfefbfv fKfCfh[]x,đŽQ[]Æ,µ,Ä,³/⁄,³,č[]B

RAS ,đfCf“fXfg[]f<,µ[]A[]-.,.é,É,í[]AAdministrators
fOf<[]fv,lf[]“fo[][,Æ,µ,Äf[]fOf[]f“ ,µ,È, ,è,í,È,è,Ü,¹,ñ[]B

fŠf,[]fg fAfNfZfX f\ftfgfEjFfA,đ'Ç%oÄ,.,.é,É,í

- 1 fRf“fgf[]f< fpf[]f<,ì [flfbfgf[]fN] fAfCfRf“ ,đf_fuf<fNfŠfbfN,µ,Ü,·[]B
- 2 [ft[][frfX] f^fu,ì ['Ç%oÄ] ,đfNfŠfbfN,µ,Ü,·[]B
- 3 [flfbfgf[]fN ft[][frfX] f{fbfNfX,©,ç [fŠf,[]fg fAfNfZfX ft[][frfX] ,đ'í'đ,µ[]AZÿ,É [OK] ,đfNfŠfbfN,µ,Ü,·[]B
- 4 "z·zftf@fCf<,lfpfX,đ“ü—í,.,.é,æ,æ,É<[]B,Éf_fCfAf[]fO f{fbfNfX,²·Ž!,³,è,½,ç[]AfpfX,đ“ü—í,µ[]AZÿ,É
['±s] ,đfNfŠfbfN,µ,Ü,·[]B

RAS ,lf[]@fCf<,æfRf“fsf...[]f^ ,ÉfRfs[][,³,è,Ü,·[]B

- 5 %oæ-É,É·Ž!,³,è,éŽwŽ!,É[]],č[]A'í'đ,µ,½f[]fg,É[]Ú'±,³,è,Ä,č,é,f,fff€,đŽ““®CEÿ[]o,³,¹,é,©[]A,Ü,½,lf[]f[]
[]fg,³,è,Ä,č,é,f,fff€,ì^è—,©,ç,f,fff€,đ'í'đ,µ,Ü,·[]B

- 6 [RAS fffofCfX,ì'Ç%oÄ] f_fCfAf[]fO f{fbfNfX,Ä[]AfŠf,[]fg fAfNfZfX ft[][frfX,ÉŽg,æf[]fg,đ'í'đ,µ[]A[OK]
,đfNfŠfbfN,µ,Ü,·[]B}f<f[]fg fAf_fvf^[]AISDN f[]f[]h[]AX.25 f[]f[]h[]A,Ü,½,í,» ,ì'¼,lf[]ffofCfX,²[]³,µ,-
fCf“fXfg[]f<.,.é,Ä,č,é,é[]è[]f,í[]A,» ,è,ç,lf[]ffofCfX,²^è—,É·Ž!,³,è,Ü,·[]B

- 7 [fŠf,[]fg fAfNfZfX fZfbfgfAfbfv] f_fCfAf[]fO f{fbfNfX,ì [[]-] ,đfNfŠfbfN,µ,Ü,·[]B

- 8 [f[]fgŽg—p,ì[]-] f{fbfNfX,ÄŽÿ,ì,ç,.,.é,©,đ'í'đ,µ[]A[OK] ,đfNfŠfbfN,µ,Ü,·[]B
- fRf“fsf...[]f^ ,đ RAS fNf%ofCfAf“fg[]è—p,ÉŽg,æ[]è[]f,í[]A[f_fCf,,f-fAfEfg,ì,Ý] ,đfNfŠfbfN,µ,Ü,·[]B
- fRf“fsf...[]f^ ,đ RAS ft[][fo[][]è—p,ÉŽg,æ[]è[]f,í[]A['...[]M,ì,Ý] ,đfNfŠfbfN,µ,Ü,·[]B
- fRf“fsf...[]f^ ,đfNf%ofCfAf“fg,Æ,µ,Ä,àft[][fo[][,Æ,µ,Ä,àŽg—p,Ä,« ,é,æ,æ,
,É,.,.é[]è[]f,í[]A[f_fCf,,f-fAfEfg,Æ'...[]M] ,đfNfŠfbfN,µ,Ü,·[]B,½,¾,µ[]AfNf%ofCfAf“fg,Æft[][fo[][,ì—¼·û,ì<@“\
,đ“ŽŽ,ÉŽg,æ,±,Æ,í,Ä,« ,Ü,¹,ñ[]B

- 9 RAS flfbfgf[]fN'S'ì,ì[]ý'è,đ[]-.,.é,É,í[]A[flfbfgf[]fN] ,đfNfŠfbfN,µ,Ü,·[]B[]x,É,Ä,č,Ä,í[]A[]uLAN
fvf[]fgfRf<,đŽg,æ,æ,æ,É RAS ,đ[]-.,.é[]v,đŽQ[]Æ,µ,Ä,³/⁄,³,č[]B

'[] fŠf,[]fg fAfNfZfX,lfCf“fXfg[]f<,Æ[]- ,đ—LCEø,É,.,.é,É,í[]AfRf“fsf...
[]f^ ,đ[]Ä<N“® ,µ,È, ,è,í,È,è,Ü,¹,ñ[]B

- fŠf,[]fg fAfNfZfX f\ftfgfEjFfA,É,í[]AZÿ,lfAfvfŠfP[]fVfj“ ,²ŠÜ,Ü,è,Ä,č,Ü,·[]B
- f_fCf,,f-fAfbfv flfbfgf[]fN[]BRAS ,lfNf%ofCfAf“fg fo[]fWfj“ ,Ä,·[]Bf_fCf,,f-fAfbfv ft[][fo[][,É[]Ú'±
,.,.é,½,ß,ÉŽg,ç,Ü,·[]B[f_fCf,,f-fAfbfv flfbfgf[]fN] fAfCfRf“ ,í[]A[f]fC fRf“fsf...[]f^] fEfBj“fhfE,Æ[]A[fXf^[]fg]
f[]fj...[][,ì [fvf[]fOf%of€] f[]fj...[][,ì [fAfNfZfTfŠ] ftfHf<f_É, ,è,Ü,·[]B
- f_fCf,,f-fAfbfv flfbfgf[]fN f.fjf^[]B[]Ú'±,ÆfffofCfX,ì[]ó'Ö,đŠÄŽ<.,.é,½,ß,ÉŽg,ç,Ü,·[]BfRf“fgf[]f<
fpf[]f<,É, ,è,Ü,·[]B
- fŠf,[]fg fAfNfZfXŠÇ—[]BRAS ft[][fo[][,É[]Ú'±,µ,Ä,č,é,fŠf,[]fg ft[][fU[][,đŠÄŽ<.,.é,½,ß,ÉŽg,ç
,Ü,·[]B[fXf^[]fg] f[]fj...[][,ì [fvf[]fOf%of€] f[]fj...[][,ì [ŠÇ—[]fc[]f< (<—L)] ftfHf<f_É, ,è,Ü,·[]B

RAS ,lfn [fhfEjFfA,ì—vCE

RAS ,đfCf“fXfg [f<,·,é‘O,ÉA,·,x,Ä,lfn [fhfEjFfA,đfCf“fXfg [f<,³,êA³í,É“®ì,μ,Ä,ç,é,±,Æ,đŠm“F,μ,È,̄,ê,Î,È,è,Û,¹,ñBŽg—p,·,éflfbfgf [fN,Æ—vCE,É%ž,¶,ÄAZŸ,lfn [fhfEjFfA,ª•K—v,É,È,é,±,Æ,ª, ,è,Û,·B

- flfbfgf [fN fAf_fvf^ fj [fh,Æ NDIS (Network Driver Interface Specification F flfbfgf [fN fhf %oCfo fCf“f^ [ftfFfCfX<K-ñ) [€<,lhf%oCfo
- ,P ‘ä^Èä,ìCEÝŠ·<,ì, ,éf,fff€ (wfn [fhfEjFfACEÝŠ·<fŠXfgx,Û,½,lfŠf, [fg fAfNfZfX ,lfZfbfgfAfbfv fvf [fO%o€,đŽQAE)A, ,æ,N—~—p%oÄ“,È COM fj [fg
- f}f<f [fg fAf_fvf^ fj [fh (·i“,lfŠf, [fg [U’±,đŠm—š,μ,½ê [ª,É•K—v,ÈfpftfH [f}f“fX,đŽACE>,·,é,½,ß)
- X.25 fXf} [fg fj [fh (X.25 flfbfgf [fN,đŽg,ªê [ª)
- ISDN fj [fh,Û,½,lf,fff€ (ISDN %oñ [ü,đŽg,ªê [ª)

Windows NT fRf“fsf...

[f^,ì,·,x,Ä,lfn [fhfEjFfA,ìCEÝŠ·<,đŠm“F,·,é,É,íA wfn [fhfEjFfACEÝŠ·<fŠXfgx,đŽQAE,μ,Ä,·,¾,³,çB

LAN fvf[]fgfRf<,đŽg,æ,æ,É RAS ,đ[]-.,.é

RAS ,í[]ALAN ,Ö,í[]AfNfZfX,đ'ñ<Ÿ,µ,Ü,·[]B,±,ì,½,ß[]ALAN ,ÁŽg,æfvf[]fgfRf<,đ'í'đ,µ[]A[]
[]-.,µ,È,·,é,ì,È,è,Ü,¹,ñ[]BWindows NT Workstation fRf"fsf...[]f^,Æ Windows NT Server fRf"fsf...
[]f^,í[]ARAS fNf%ofCfAf"fg,Æ RAS fT[]fo[][,ì,ç,.,é,È,à[]-.,Á,«,é,ì,Á[]ARAS fNf%ofCfAf"fg,Æ RAS
fT[]fo[][,ÁŽg,æ LAN fvf[]fgfRf<,đ,».,é,¼,é[]-.,µ,È,·,é,ì,È,è,Ü,¹,ñ[]BRAS ,ÉŽg,æf[]fg,ìŽg—p-
@,ìŽw'è,É,æ,Á,Ä[]ARAS fRf"fsf...[]f^,đfNf%ofCfAf"fg,É,·,é,©[]AfT[]fo[][,É,·,é,©,æ^,Ü,è,Ü,·[]B
LAN fvf[]fgfRf<,ìŸ'è,í[]ARAS ,ÉŽg—p%oÁ"\\,È,·,x,Ä,í[]fg,É'í,·,é RAS ,ì,·,x,Ä,ì'è[],É"K—
p,³,è,Ü,·[]B,½,Æ,ì,í[]A"Á'è,ì RAS fGf"fgfŠ,Á TCP/IP ,đŽg,æ,æ,ÉŸ'è,·,é,É,í[]A ,ç,©,¶,ß RAS fRf"fsf...
[]f^,ÁTCP/IP ,đŽg—p,Á,«,é,æ,æ,É,µ,Ä,·,©,È,·,é,ì,È,è,Ü,¹,ñ[]B

LAN fvf[]fgfRf<,đŽg,æ,æ,É RAS ,đ[]-.,.é,É,í

- 1 fRf"fgf[]f< fpf[]f<,ì [f[]fbfgf[]fN] fAfCfRf" ,đf_fuf<fNfŠfbfN,µ,Ü,·[]B
- 2 [fT[]f[]f] f^fu,Á[]A[fŠf,[]fg fAfNfZfX fT[]f[]f] ,đfNfŠfbfN,µ[]AŽŸ,É [fvf[]pfefB] ,đfNfŠfbfN,µ,Ü,·[]B
- 3 [fŠf,[]fg fAfNfZfX fZfbfgfAfbfv] f_fCfAf[]fO f{fbfNfX,ì [f[]fbfgf[]fN] ,đfNfŠfbfN,µ,Ü,·[]B
- 4 [f[]fbfgf[]fN,ì[]-.] f_fCfAf[]fO f{fbfNfX,ì [f_fCf,·f< fAfEf g fvf[]fgfRf<] ,Á[]ARAS fNf
%ofCfAf"fg,Æ,µ,Ä,Ü,·,©,í[]fRf"fsf...[]f^,Éf_fCf,·f< fAfEf g,·,é,Æ,«,ÉŽg,æfvf[]fgfRf<,đ'í'đ,µ,Ü,·[]Bí[]f_fCf,·f<
fAfEf g fvf[]fgfRf<] ,Áfvf[]fgfRf<,đ'í'đ,µ,È,ç[]è[]#,í[]ACEä,Áf_fCf,·f< fAfEf g—p,É"đ"b' fGf"fgfŠ,đ[]
[]-.,.é,Æ,«,É[]A,»í[]fvf[]fgfRf<,đ'í'đ,«,Ü,¹,ñ[]B
f_fCf,·f< fAfEf g—p,É[]-.,³,è,Ä,ç,é[]f[]fg,³,È,ç[]è[]#[]Aí[]f_fCf,·f< fAfEf g fvf[]fgfRf<] ,í'W[]F·\Ž,³,è[]A—~
p,Á,«,Ü,¹,ñ[]B
- 5 [fT[]fo[][,ìŸ'è] ,Á[]ARAS fRf"fsf...[]f^,æŠf,[]fg fNf%ofCfAf"fg,©,ç,ì'...[]MfR[]f<,ÉŽg,æ LAN
fvf[]fgfRf<,đ'í'đ,µ,Ü,·[]B
'...[]M—p,É[]-.,³,è,Ä,ç,é[]f[]fg,³,È,ç[]è[]#,í[]Aí[]f[]fo[][,ìŸ'è] ,í—~—p,Á,«,Ü,¹,ñ[]B
- 6 ^Á[]+%o» ,í[]fvfVf#",đ'í'đ,µ,Ü,·[]BŠefí[]fvfVf#",ì'Ó-; ,íŽŸ,ì,Æ,·,è,Ä,·[]B
· [fNfŠfA fef[]fXfg,đŠÜ,þ"Ç'Ó,ì"[]F[]Ø,đ<-%oÁ,·,é] ,đ'í'đ,·,é,Æ[]AfNf%ofCfAf"fg,©,ç—v[]-,³,è,½,ç
,,é,ì"[]F[]Ø (MS-CHAP[]ASPAP[]APAP) ,đŽg,Á,½[]Ü'±,Á,à<-%oÁ,µ,Ü,·[]B,±,í[]fvfVf#",í[]ARAS fNf
%ofCfAf"fg,ìŽí—þ,³,è,½—ì,È[]è[]#,É·Ö—~ ,Á,·[]B
· [^Á[]+%o»,³,è,½"[]F[]Ø,³·K—v] ,đ'í'đ,·,é,Æ[]APAP ,đ[]æ,ç,Ä[]AfNf%ofCfAf"fg,©,ç—v[]-,³,è,½,ç
,,é,ì"[]F[]Ø,đŽg,Á,½[]Ü'±,Á,à<-%oÁ,µ,Ü,·[]B
· [Microsoft ^Á[]+%o»"[]F[]Ø,³·K—v] ,đ'í'đ,·,é,Æ[]AMS-CHAP ,ì"[]F[]Ø,đŽg,Á,½[]Ü'±,ì,Ÿ,đ<-%oÁ,µ,Ü,·[]B
· [ff[]f^,ì^Á[]+%o»,³·K—v] f^f[]fbfN f{fbfNfX,đf[]f",É,·,é,Æ[]A%oñü,ð%oi,µ,Á'—
[]M,³,è,é,·,x,Ä,í[]f[]f^,³^Á[]+%o»,³,è,Ü,·[]B
- 7 ·"—[]"í,È·;[]",í[]Šf"fn,đ"—[]"í,È 1 ,Á,ì "'©" ,É[]æ<[]#,·,é,É,í[]A{f}f< fŠf"fn,đŽg,æ] f^f[]fbfN
f{fbfNfX,đf[]f",É,µ,Ü,·[]B,±,ì·;[]#fŠf"fn,É,æ,è[]A'Ñ^æ·[],ð[]L,·,é,±
,Æ,³,Ä,«,Ü,·[]Bf}f< fŠf"fn,³[]Ä,à^è"É"í,ÉŽg,ì,é,é,ì,í[]AISDN f^ffff[]f<,ì[]æ<[]#,Á,·,³[]A·;[]",í[]f,fff[]
,ð[]æ<[]#,³,¹,½,è[]Af,fff[]€,Æ ISDN %oñü,ð[]æ<[]#,³,¹,½,è,Ä,«,Ü,·[]B
,±,í[]f^f[]fbfN f{fbfNfX,í[]AWindows NT Server fRf"fsf...[]f^,É,ì,Ÿ"K—p,³,è,Ü,·[]B
- 8 fvf[]fgfRf<,ì'í'đ,ð[]—¹,µ,½,ç[]A[OK] ,đfNfŠfbfN,µ,Ü,·[]B
- 9 [fŠf,[]fg fAfNfZfX fZfbfgfAfbfv] f_fCfAf[]fO f{fbfNfX,ì [^±[]s] ,đfNfŠfbfN,µ[]AfŠf,[]fg fAfNfZfX
fZfbfgfAfbfv,ð[]—¹,µ,Ü,·[]B

'[] ·í[]X"—à-e,đ—L[]Eø,É,·,é,É,í[]AfRf"fsf...[]f^,ð[]Ä<N"®,µ,È,·,é,ì,È,è,Ü,¹,ñ[]B

ŠÖ~A[]€-Ü

TCP/IP ,đŽg,æ,æ,É RAS fT[]fo[][,đ[]-.,.é

IPX ,đŽg,æ,æ,É RAS fT[]fo[][,đ[]-.,.é

NetBEUI ,đŽg,æ,æ,É RAS fT[]fo[][,đ[]-.,.é

RAS fNf%ofCfAf"fg,³Žg,æ-¼'O%ođ[]æ^,đ[]-.,.é

RAS fgf"fgfŠ.ÉŽg.ɤfvf[]fgfRf<.đ'!.Ô

NetBEUI ,đŽg,æ,æ,É RAS fT[fó[.đ\Ñ-,.,é

NetBEUI ,íAÑ-K-í,È LAN ,Á NetBIOS fAfvfŠfP[fVf#f“ ,đŽÀ□s,.,é□ê□‡,É□A□Á,à—
D,ê,½fpftfH[f]f“fX,đ”Šö,μ,Ü,·□B,Ü,½□ANetBEUI ,đ□í□œ,μ,Ä,à□ATCP/IP ,Ü,½,í IPX ,Æ<æ,É RAS ,đŽg—
p,Á,«,Ü,·□BfZfbfgfAfbfv,ì,Æ,«,É,í□ANetBEUI fNf%ofCfAf“fg,afibfgf□□[fN’S’ì,ÉfAfnfZfX,Á,«,é,æ,æ,
.É,.,é,©□A,Ü,½,í RAS fRf“fsf...[f^,É,μ,©fAfnfZfX,Á,«,È,ç,æ,æ,É,.,é,©,đŽw’è,Á,«,Ü,·□B

NetBEUI ,đflfbfgf□□[fN’Ú’±,ÉŽg,æ,æ,É RAS fT[fó[.đ\Ñ-,.,é,É,í

- 1 fRf“fgf□□[f< fpflf<,ì [flfbfgf□□[fN] fAfCfRf“,đf_fuf<fNfŠfbfN,μ,Ü,·□B
 - 2 [fT□[frfX] f^fu,Á□A[fŠf,□[fg fAfnfZfX fT□[frfX] ,đfNfŠfbfN,μ□AZŽ,É [fvf□fpfefB] ,đfNfŠfbfN,μ,Ü,·□B
 - 3 [fŠf,□[fg fAfnfZfX fZfbfgfAfbfv] f_fCfAf□fO f{fbfNfX,ì [flfbfgf□□[fN] ,đfNfŠfbfN,μ,Ü,·□B
 - 4 [fT□[fó[.ì□Y’è] ,ì [NetBEUI] f^fFfbfN f{fbfNfX,đflf“ ,É,μ□A[□□-] ,đfNfŠfbfN,μ,Ü,·□B
 - 5 [RAS fT□[fó[NetBEUI ,ì□□-] f_fCfAf□fO f{fbfNfX,Á□ANetBEUI fNf
%ofCfAf“fg,Éflfbfgf□□[fN’S’ì,Ö,ìfAfnfZfX,đ<-%oÁ,.,é,©□A,Ü,½,í RAS fRf“fsf...[f^,Ö,ìfAfnfZfX,ì,Ý,đ<-
%oÁ,.,é,©,đ’ì’đ,μ□AZŽ,É [OK] ,đfNfŠfbfN,μ,Ü,·□B
 - 6 [flfbfgf□□[fN,ì□□-] f_fCfAf□fO f{fbfNfX,ì [OK] ,đfNfŠfbfN,μ,Ü,·□B
 - 7 [fŠf,□[fg fAfnfZfX fZfbfgfAfbfv] f_fCfAf□fO f{fbfNfX,Á□Af□[fg,ì,»,ì’¼,ìflfvfVf#f“ ,đ□□-,μ□AZŽ,É [’±□s]
,đfNfŠfbfN,μ,Ü,·□B
- ’□ •ì□X“à—e,đ—LCEø,É,.,é,É,í□AfRf“fsf...[f^,đ□Ä<N“ ©,μ,È,_,ê,ì,È,è,Ü,¹,ñ□B

TCP/IP ,đŽg,æ,æ,É RAS fT[fO[L,đN[-,.,é

RAS Ů'±,ĀŽg,æ,æ,É TCP/IP ,ìŸ'è,đN[-,Ü,½,ÍĀN[-,.,é,É,ÍĀfRf"fgf[f< fpf[f<,ì [f]fbfgf[fN] ,đŽg,ç,Ü,·B

RAS fT[fO[L,Ā,ÍĀTCP/IP ,ÉSÖ,µ,Ā 2 ,Ā,ìN[-,·i<Æ,ª, ,è,Ü,·B

- LAN Ā,ìfT[fO[L,Æ,µ,Ā<@"\,.,é,½,ß,ìŠi-{}N[-,Æ IP fAfhfçfX,ìŸ'èB[-,·Ů-@,É,Ā,ç,Ā,ÍĀTCP/IP ,ìf]f"fofçf" fwf<fv,đŽQ[Æ,µ,Ā,,¾,¾,çB
- RAS fNf%ofçfAf"fg,É IP fAfhfçfX,đ'ň<Ÿ,.,é,½,ß,ìN[-,·B,±,±,Ā,ÍĀRAS fNf%ofçfAf"fg,É IP fAfhfçfX,đ'ň<Ÿ,.,é,½,ß,ì N[-,·Ů-@,đĀ-¾,µ,Ü,·B

TCP/IP ,đf]fbfgf[fNŮ'±,ÉŽg,æ,æ,É RAS fT[fO[L,đN[-,.,é,É,Í

- 1 fRf"fgf[f< fpf[f<,ì [f]fbfgf[fN] fAfçRf",đf_fuf<fNfŠfbfN,µ,Ü,·B
- 2 [fT[fRfX] f^fu,ĀĀA[Šf,[]fg fAfNfZfX fT[fRfX] ,đfNfŠfbfN,µĀAŽŸ,É [fvf[]pfefB] ,đfNfŠfbfN,µ,Ü,·B
- 3 [Šf,[]fg fAfNfZfX fzfbfgfAfbfv] f_fçfAf[]fo f{fbfNfX,ì [f]fbfgf[fN] ,đfNfŠfbfN,µ,Ü,·B
- 4 [fT[fO[L,ìŸ'è] ,ì [TCP/IP] f^fFfbfN f{fbfNfX,đf]f",É,µĀAŽŸ,É [N[-] ,đfNfŠfbfN,µ,Ü,·B
- 5 [RAS fT[fO[L TCP/IP ,ìN[-] f_fçfAf[]fo f{fbfNfX,ĀĀTCP/IP fNf %ofçfAf"fg,Éf]fbfgf[fN'S'ì,Ö,ìfAfNfZfX,đ<-%Ā,.,é,©Ā,Ü,½,Í RAS fRf"fsf...[]f^,Ö,ìfAfNfZfX,ì,Ÿ,đ<-%Ā,.,é,©,đ'ì'đ,µĀAŽŸ,É [OK] ,đfNfŠfbfN,µ,Ü,·B
- 6 fŠf,[]fg fNf%ofçfAf"fg,É—^,ì,é IP fAfhfçfX,đ"®"ìfzfXfg[-fvf[]fgRf< (DHCP) fT[fO[L,©,çŽæ"¾,.,é[]ē,ĀĀA[Šf,[]fg TCP/IP fNf%ofçfAf"fg,ìfAfhfçfXŠ,,è"-,Ā,É DHCP ,đŽg,æ] ,đfNfŠfbfN,µ,Ü,·B
DHCP fT[fO[L,ª—p,Ā,«.,É,ç[]ē,ĀĀA[Šf"ìfAfhfçfX fv[]f<,đŽg,æ] ,đfNfŠfbfN,µĀAŽŸ,ÉĀRAS fT[fO[L,ªfNf%ofçfAf"fg,ÉS,,è"-,Ā,é IP fAfhfçfX,ì"í"í,đŽw'è,µ,Ü,·BIP fAfhfçfX,ì"í"í,ÍĀRAS fT[fO[L,ª® ,.,éfTfuf]fbfg,Ā—LÆø,É"í"í,Ā,È, ,é,Ā,È,è,Ü,¹,ňB
- 7 RAS fNf%ofçfAf"fg—p,ÉS,,è"-,Ā,ç,è,Ā,ç,é"í"í,ì IP fAfhfçfX,đ [ŠŽnfAfhfçfX] f{fbfNfX,Æ [—fAfhfçfX] f{fbfNfX,É"ü—í,µ,Ü,·BĀ,È,,Æ,à 2 ,Ā,ì IP fAfhfçfX,đŠ,,è"-,Ā,È, ,é,Ā,È,è,Ü,¹,ň (Šf,[]fg fNf %ofçfAf"fg,É 1 ,Ā,Æ RAS fT[fO[L,ìf]fbfgf[fN fAf_fv^,É 1 ,Ā)B
IP fAfhfçfX,ĀĀ"¾špfšf]fh,Ā<æ[]ø,ç,è,½ 10 []i" ,ì"Žš,Ā"ü—í,µ,Ā,,¾,¾,ç (—á: 110.11.0.0)B,±,± ,ÉŽw'è,.,é,Ā,ìĀf]fbfgf[fNŠç—[]Ž,ªŠ,,è"-,Ā,Ü,·B
- 8 IP fAfhfçfX,ì"í"í,©,çœŠO,.,éfAfhfçfX,đ'è< ,.,é,É,ÍĀAŽŸ,ì,æ,æ,É [Š,,è"-,ĀœŠO"í"í] f{fbfNfX,Æ,» ,ì[]f,ìfRf"fgf[f<,đŽg,ç,Ü,·B
▪ []œŠO"í"í,ĀĀ%,,Ā IP fAfhfçfX,đ [œŠOŠ]Žn] f{fbfNfX,É"ü—í,µĀĀĀĀ,ìfAfhfçfX,đ [œŠO[]—¹] f{fbfNfX,É"ü—í,µ,Ü,·BŽŸ,ÉĀ[C%Ā] ,đfNfŠfbfN,µ,Ü,·B,Ü,©,É,à[]œŠO,.,é"í"í,ª ,é,ĀĀ" ,¶'€[] ,đçE,è•Ö,µ,Ü,·B
▪ P^è,ì IP fAfhfçfX,đ[]œŠO,.,é,É,ÍĀA[œŠOŠ]Žn] f{fbfNfX,Æ [œŠO[]—¹] f{fbfNfX,É" ,¶fAfhfçfX,đ"ü—í,µĀAŽŸ,É [C%Ā] ,đfNfŠfbfN,µ,Ü,·B
▪ []œŠO"í"í,©,ç^è• ,ì IP fAfhfçfX"í"í,đ[]œ,.,é,É,Ā[Š,,è"-,ĀœŠO"í"í] f{fbfNfX,Ā,» ,ì"í"í,đ'ì'đ,µĀAŽŸ,É [[]œ] ,đfNfŠfbfN,µ,Ü,·B
- 9 •K—v,É%ž,¶,ĀĀA[Šf,[]fg fNf%ofçfAf"fg,ÉŽ—'O,É'è,ß,½ IP fAfhfçfX,Ā,ì—v<,đ<-%Ā,.,é] f^fFfbfN f{fbfNfX,đf]f",É,µ,Ü,·B
- 10 [OK] ,đfNfŠfbfN,µ,Ü,·B
- 11 [f]fbfgf[fN,ìN[-] f_fçfAf[]fo f{fbfNfX,ì [OK] ,đfNfŠfbfN,µ,Ü,·B
- 12 [Šf,[]fg fAfNfZfX fzfbfgfAfbfv] f_fçfAf[]fo f{fbfNfX,ĀĀf[]fg,ì,» ,ì"¾,ìf]fvf]f",àN[-,µĀAŽŸ,É [±[]s] ,đfNfŠfbfN,µ,Ü,·B

'[] •ĀX"à—e,đ—LÆø,È,.,é,É,ÍĀfRf"fsf...[]f^,đĀ<N"® ,µ,È, ,é,Ā,È,è,Ü,¹,ňB

RAS fNf%ofCfAf“fg,ì-¼‘O%oðCE^,ð\□-.,.é

RAS fNf%ofCfAf“fg,ì-¼‘O%oðCE^,í□A—~—p%oÂ“\,Èflfbfgf□□fN fT□[frfX,Æ RAS fT□[fo□[.ì□□-.,ÉŠì,Ä,ç,Ä□s,í,é,Ü,·□B

- RAS fT□[fo□[.èflfbfgf□□fN□ä,ì WINS fT□[fo□[,Æ DNS fT□[fo□[,ðŽg,æ,æ,æ,É□□-.,³,é,Ä,ç,é□é□#,í□ARAS fNf%ofCfAf“fg,à“~.,¶ WINS fT□[fo□[,Æ DNS fT□[fo□[,ðŽg,ç,Ü,·□B
- RAS fT□[fo□[,É•i□“,ìflfbfgf□□fN fAf_fvf^ f□□[fh,èŽæ,è•t,_,ç,é,Ä,ç,é□é□#AfNf%ofCfAf“fg,í□AWINS,Æ DNS ,è□□-.,³,é,Ä,ç,é□Ä□%o,ìflfbfgf□□fN□ä,ì WINS fT□[fo□[,ðŽg,ç,Ü,·□B

fNf%ofCfAf“fg,Ä,í□A[“d~b’ ,ìfGf“fgfŠ,ì•Ö□W] f_fCfAf□fO f{fbfNfX,ì [fT□[fo□[] f^fu,Ä [TCP/IP ,ì□Ý’è] ,ðfNfŠfbfN,μ,Ä□□-.,.é,±,Æ,É,æ,è□AfGf“fgfŠ,²,Æ,É WINS fT□[fo□[,Æ DNS fT□[fo□[,ìfAfhfçfX,ðŽw’è,.,é,±,Æ,à,Ä,«.,Ü,·□B

IP fAfhfçfX,è•í□X,³,é,é,±,Æ,ì,È,ç□-<K-í,Èflfbfgf□□fN,Ä,í□ARAS fNf%ofCfAf“fg,ì-¼‘O%oðCE^,É HOST ftf@fCf<,Æ LMHOSTS ftf@fCf<,ðŽg—p,Ä,«,Ü,·□Bf□□[ffj< fhf%ofCfu□ä,ì,±,é,ç,ìftf@fCf<,ðŽg,æ,Æ□AWINS fT□[fo□[,É-¼‘O%oðCE^—v<□,ð“`—.,.éŽžŠÖ,â□Af,fff€,ð%oî,μ,½%ož“š,ð‘Ö,Ä,½,ß,ìŽžŠÖ,ð□ß-ñ,Ä,«,Ü,·□B

- ’□ •W□€,ìfuf□□[fhfLfffXfg-¼‘O%oðCE^,í□ARAS ,ð%oî,μ,Ä,í“@□ì,μ,Ü,¹,ñ□Bft□[fU□[,í□AWINS ,â LMHOSTS ftf@fCf<,É,Ç,ìžè’i,Ä-¼‘O%oðCE^,ð□s,æ,©□A,Ü,½,í IP fAfhfçfX,ðŽg,í,È,_,é,î,È,è,Ü,¹,ñ□B

RAS fGf“fgfŠ,ÉŽg,xfvf[]fgfRf<,đ‘I,Ô

f_fCf,,f<fAfbfv flfbfgf[][]fN,lfNf%ofCfAf“fg,Á,ÍAfŠf,[]fg flfbfgf[][]fN,ì-¼‘O,Æ“d~b”Ô[]t,đ“ü—
Í,μ[]A,»,ì[]Ý’è,đ•ÚŽç,Á,«,Ü,·[]BfNf%ofCfAf“fg,Í[]Af_fCf,,f<fAfbfv flfbfgf[][]fN,đŽg,Á,ÄfŠf,[]fg
flfbfgf[][]fN,Æ[]Ú’±,μ,½,è[]A[]Ø’f,μ,½,è,Á,«,Ü,·[]Bf[]fU[][,Í[]Af_fCf,,f<[]æ,lfT[]fo[][,ìŽí—p
(PPP[]ASLIP[]A,Ü,½,Í Microsoft RAS) ,É%ž,¶,Ä[]A‘Á’è,ì“d~b’ fGf“fgfŠ,ÉŽg,xf[]fbfgf[][]fN
fvf[]fgfRf<,đ‘I’đ,Á,«,Ü,·[]B

RAS ,ì“d~b’ fGf“fgfŠ,ÉŽg,xfvf[]fgfRf<,đ‘I,Ô,É,Í

- 1 f_fCf,,f<fAfbfv flfbfgf[][]fN,Ä[]A“d~b’ fGf“fgfŠ,đ‘I’đ,μ[]AZÿ,É [,»,ì‘¼] ,đfNfŠfbfN,μ,Ü,·[]B
- 2 [fGf“fgfŠ,Æf,fff€,ìfvf[]fpfefB,ì•Ò[]W] ,Ü,½,Í [fGf“fgfŠ,Æf,fff€,ìfvf[]fpfefB,ì•i[]»] ,đfNfŠfbfN,μ,Ü,·[]B
- 3 [fT[]fo[][] f^fu,Ä[]Af_fCf,,f<fAfbfv fT[]fo[][,ìŽí—p,đ‘I’đ,μ,Ü,·[]BfT[]fo[][,ìŽí—p,ª,í,©,ç,È,đ[]ê[]‡,Í[]A[PPP]
,đ‘I’đ,μ,Ü,·[]B
- 4 Žg—p,·,é[]fbfgf[][]fN fvf[]fgfRf<,đ‘I’đ,μ,Ü,·[]BSLIP fT[]fo[][,Ü,½,Í PPP
fT[]fo[][,Éf_fCf,,f<,·,é[]ê[]‡,Í[]A[TCP/IP] f`fFfbfN f{fbfNfX,đfif“,É,μ[]AZÿ,É [TCP/IP ,ì[]Ý’è]
,đfNfŠfbfN,μ,Ä[]ATCP/IP ,ì[]Ý’è,đ[]\[]-,·,é,±,Æ,ª,Á,«,Ü,·[]B

IPX ,dZg,æ,x,É RAS fT[fO[.dN[-,.,é

RAS [U'±,ÁZg,æ,x,É IPX ,lY'è,dN[-,Ü,½,í[Á[[-,.,é,É,íA[["fgf[["f< fpf[f<,l [f[bfbg[fN] ,dZg,ç,Ü,·[B

IPX ,df[bfbg[fN[U'±,ÉZg,æ,x,É RAS fT[fO[.dN[-,.,é,É,í

- 1 fRf"f"fgf[["f< fpf[f<,l [f[bfbg[fN] fAfCfRf" ,df_fuf<fNfŠfbfN,µ,Ü,·[B
 - 2 [fT[fRfX] f^fu,Á[["fŠf, [fg fAfNfZfX fT[fRfX] ,dfNfŠfbfN,µ[AŽY,É [fv[fpfefB] ,dfNfŠfbfN,µ,Ü,·[B
 - 3 [fŠf, [fg fAfNfZfX fZfbgAfbfv] f_CfAf[["fO f{fbfNfX, l [f[bfbg[fN] ,dfNfŠfbfN,µ,Ü,·[B
 - 4 [fT[fO[.lY'è] ,l [IPX] f`fFfbfN f{fbfNfX,df"lf" ,É,µ (IPX ,afCf"fXfg[["f<,³,è,Á,ç,é[é[#,lf"lf" ,É,É,Á,Ä,ç,Ü,·)AŽY,É [N[-] ,dfNfŠfbfN,µ,Ü,·[B
 - 5 [RAS fT[fO[IPX ,lN[-] f_fCfAf[["fO f{fbfNfX,Á[["AIPX fNf%ofCfAf"fg,Élf[bfbg[fN"š'ì,Ö,lfAfNfZfX,d<-%Á,·,é, [A,Ü,½,í RAS fRf"fsf... [f^,Ö,lfAfNfZfX,l,Y,d<-%Á,·,é, [A,Ü,½,í)AŽY,É [AIPX lf[bfbg[fN"Ō[±,δŠ,,,è"-,Ä,é•ù-@,δ'l,Ň,Ü,·[BŠ,,,è"-,Ä,é•ù-@,lZw'è,É,l[AŽY,lf{fvvfj" f{f^f",Æf`fFfbfN f{fbfNfX,dZg,ç,Ü,·[B
 - [Z"@"@l,Élf[bfbg[fN"Ō[±,δŠ,,,è"-,Ä,é] [BWindows NT RAS f\ftfgfE[FfA,í[A[NetWare RIP (Router Information Protocol[F f<[["fEfBf"FO[["i•nfvf[["fgfRf<] ,dZg,Á,Ä[AIPX lf[bfbg[fN"à,ÁZg—p,³,è,Á,ç,É,ç IPX lf[bfbg[fN"Ō[±,δ²,x,Ü,·[BRAS fT[fO[.l[A,» ,lf[bfbg[fN"Ō[±,dfŠf, [fg fNf%ofCfAf"fg,ÉŠ,,,è"-,Ä,Ü,·[B
 - [lf[bfbg[fN"Ō[±,lŠ,,,è"-,Ä] (Zè"@"Š,,,è"-,Ä) [BZè"@"ÁŠ,,,è"-,Ä,é•ù-@,í[AfZfLj... fŠfefB,àŠÁZ<,l,½,ß,É[Af[lfbg[fN"Ō[±,lŠ,,,è"-,Ä,δ[x, [A,š[æä,·,é[é[#,É•Ö~ ,Ä,·[B
- lf[bfbg[fN"Ō[±,δZè"@"ÁŠ,,,è"-,Ä,é•ù-@,δ'l,ñ,¾[é[#,í[A[Š]Žn"Ō[±] f{fbfNfX,É[Á[%" ,lf[bfbg[fN"Ō[±,δ"ü—í,µ,Ü,·[BRAS ,É,æ,Á,Ä[AŽ"@"@"l,É—~—p%Á" \,Éf] [fg,l"Ō[±,²²,x,ç,é[["l—¹"Ō[±] ,Élf[bfbg[fN"Ō[±,²} "ü,³,è,Ü,·[B
- [·,x,Á,l IPX fNf%ofCfAf"fg,É" ,lf[bfbg[fN"Ō[±,δŠ,,,è"-,Ä,é[["B,±,lf`fFfbfN f{fbfNfX,df"lf" ,É,·,é,Æ[AŽ"@"@"Š,,,è"-,Ä,é•ù-@,ÆZè"@"Š,,,è"-,Ä,é•ù-@,l,ç,ç,δZg,Á,Ä,ç,é[é[#,Á,à[A,·,x,Ä,í IPX fNf%ofCfAf"fg,É" ,lf[bfbg[fN"Ō[±,δŠ,,,è"-,Ä,é,±,Æ,²,Á,« ,Ü,·[B
- 6 RAS fT[fO[.²—^,l,Éfm[fh"Ō[±,Á,l,É, [AŽ"@"²,ÁÇ^,l,½ IPX fm[fh"Ō[±,δ—v[[" ,·,é,±,Æ,dfŠf, [fg fNf%ofCfAf"fg,É<-%Á,·,é,É,í[A[["fŠf, [fg fNf%ofCfAf"fg,É IPX fm[fh"Ō[±,Á, [U'±,δ<-%Á,·,é] f`fFfbfN f{fbfNfX,df"lf" ,É,µ,Ü,·[B
- 7 [OK] ,dfNfŠfbfN,µ,Ü,·[B
 - 8 [lf[bfbg[fN] ,lN[-] f_fCfAf[["fO f{fbfNfX, l [OK] ,dfNfŠfbfN,µ,Ü,·[B
 - 9 [fŠf, [fg fAfNfZfX fZfbgAfbfv] f_CfAf[["fO f{fbfNfX,Á[Af[["fg,l,» ,l'¼,lf{fvvfj" ,dN[-,µ[AŽY,É [±[s] ,dfNfŠfbfN,µ,Ü,·[B
 - ' ["ä—e,δ—LÇø,É,·,é,É,í[AfRf"fsf... [f^,δ[Ä<N" [,µ,È, ,è,l,È,è,Ü,¹,Ň [B
- fŠf, [fg fNf%ofCfAf"fg,²[["•²,Áfm[fh"Ō[±,δ'l'δ,Ä,« ,é,æ,x,É,·,é,Æ[Af[lfbg[fN] ,ÉfZfLf... fŠfefB[ä,l-â'è,l" [Q,·,é%Á" \[["²,²,É,è,Ü,·[BZ"@"²,Áfm[fh"Ō[±,δ'l,Ö,±,Æ,²,Á,« ,é,Æ[AfNf%ofCfAf"fg,²[A^È'OfT[fO[.É[U'±,µ,Ä,ç,½•É,lfNf%ofCfAf"fg,É,È,è,·,Ü,µ[A,» ,lfNf%ofCfAf"fg,²fAfNfZfX,µ,Ä,ç,½lf[bfbg[fN"Z'Ç¹,ÉfAfNfZfX,·,é,±,Æ,à,Á,« ,é, [A,·[B

f[]fj]f< flfbfgf[]fN,lfuf%ofEfU,É•Ž!,³,ê,é,æ,æ,ÉfXf^f“fhfAf[]f“,lfŠf,[]fg fT[]fo[]L,ð[]\[]-,.,é

,½,Æ,!,Î[]ARAS fT[]fo[]L,ðŽ©‘î,É‘u,«A[]E[]ê,lfRf“fsf...

[]f^,©,çŽ©‘î,lfT[]fo[]L,Éf_fCf,,f<fCf“.,.é[]ê[]‡,Í[]AfŠf,[]fg fNf%ofCfAf“fg,lfuf%ofEfU

fŠfXfg,ÉŽ©‘î,lfT[]fo[]L,Ì-¼‘O,ª•\Ž!,³,ê,é,æ,æ,É[]\[]-,μ,È,¯,ê,Î,È,è,Û,¹,ñ[]B

f[]fj]f< flfbfgf[]fN,lfuf%ofEfU,É•Ž!,³,ê,é,æ,æ,ÉfŠf,[]fg,Ì RAS fT[]fo[]L,ð[]\[]-,.,é,É,Í

1 Ž©‘î,Ì RAS fT[]fo[]L,Á[]AfRf“fgf[]f< fpf]f<,Ì [flfbfgf[]fN] fAfCfRf“,ðf_fuf<fNfŠfbfN,μ,Û,·[]B

2 [Ž˘•É] f^fu,Ì [•î[]X] ,ðfNfŠfbfN,μ,Û,·[]B

3 [Ž˘•É,Ì•î[]X] f_fCfAf[]fO f{fbfNfX,Á[]A[]V,μ,çfhf[]fCf“-¼,Û,½,Í[]f[]fNfOf<[]fv-¼,ð“ü—Í,μ,Û,·[]B,±,±,É“ü—Í,.,é-¼‘O,Í[]Af_fCf,,f<fCf“.,.éfNf%ofCfAf“fg,lfhf[]fCf“-¼,Û,½,Í[]f[]fNfOf<[]fv-¼,Æ^ê‘v,μ,Ä,ç,È,¯,ê,Î,È,è,Û,¹,ñ[]BŽÿ,É [OK] ,ðfNfŠfbfN,μ,Û,·[]B

4 [fAf_fvf^] f^fu,Ì [‘Ç%oÁ] ,ðfNfŠfbfN,μ,Û,·[]B

5 [flfbfgf[]fN fAf_fvf^] f{fbfNfX,Á[]A[MS Loopback fAf_fvf^] ,ð‘I‘ð,μ[]AZÿ,É [OK] ,ðfNfŠfbfN,μ,Û,·[]B

6 [MS Loopback fAf_fvf^] f[]f[]fh fZfbfgfAfbfv] f_fCfAf[]fO f{fbfNfX,Ì [OK] ,ðfNfŠfbfN,μ[]AWindows NT,Ì“z•zfffBfXfN,lfpfX,ð“ü—Í,μ[]AZÿ,É [‘±[]s] ,ðfNfŠfbfN,μ,Û,·[]B

Šù‘è,lfTf[]E[]f€ f^fCfv,ð•î[]X,μ,È,ç,Ä,,¾,¾,¾,ç[]BRAS ,ÍŠù‘è,Ì[]Ý‘è,Á[]³[]í,É<@“\,μ,Û,·[]B

7 [flfbfgf[]fN] f_fCfAf[]fO f{fbfNfX,Ì [OK] ,ðfNfŠfbfN,μ[]AfRf“fsf...[]f^,ð[]Ä<N“@,μ,Û,·[]B

‘[] []Ä<N“@,μ,½,ç[]A,½,Æ,lfRf“fsf...[]f^,ªflfbfgf[]fN,É[]Ú‘±,³,ê,Ä,ç

,È,ç[]ê[]‡,Á,à[]Af]fbfgf[]fN‘S‘Ì,Ö,lfAfNfZfX,ð<-%oÁ,.,é,æ,æ,ÉfŠf,[]fg RAS fT[]fo[]L,ð[]\[]-,μ,Ä,-

,¾,¾,¾,ç[]B[]Ú[]x,É,Á,ç,Ä,Í[]A[]u_LAN_fvf[]fgfRf<,ðŽg,æ,æ,É RAS ,ð[]\[]-,.,é[]v,ðŽQ[]Æ,μ,Ä,,¾,¾,¾,ç[]B

NetBIOS IP ,Æ IPX —p,É,Û,©,ìf□□[fj□□,ìf_fCf,,f<fAfbfv fT□[fo□□[,ð□□—,·,é

,Û,©,ìf□□[fj□□,ìf_fCf,,f<fAfbfv fT□[fo□□[,Éf_fCf,,f<fCf“ ,·,é Windows NT fNf%ofCfAf“fg,ª□AIP ,Û,½,í IPX ,ðŽg,Á,Ä NetBIOS ,ìŽ‘CE¹,ÉfAfNfZfX,μ,È,¯,ê,î,È,ç,È,ç,±,Æ,ª, ,è,Û,·□B,±,ì,æ,κ,È□ê□±□Af_fCf,,f<fAfbfv fT□[fo□□[,í□ANetBIOS ,ìfuf□□[fhfLfffXfg,ð“]’—,Á,«,é,æ,κ,É□□—,³,ê,Ä,ç,È,¯,ê,î,È,è,Û,¹,ñ□B,½,¾,μ□ALAN □ã,Ä NetBIOS ,ìfgf%oftfBfbfN,ª‘½,ç□ê□±,É□Afuf□□[fhfLfffXfg,ª“□¶,·,é,Æ□ARAS □Ú‘±,ð %oi,μ,½fìfbfgf□□[fN fAfNfZfX,ìfpftfH□[f}f“fX,ª‘á%oº,·,é,±,Æ,ª, ,è,Û,·□BNetBIOS ,ìfuf□□[fhfLfffXfg,ð“]’— ,Á,«,é,æ,κ,ÉfT□[fo□□[,ð□□—,·,é•û-@,É,Ä,ç,Ä,í□A□uNwlnkRip_fpf%of□□[f^□v,ðŽQ□Æ,μ,Ä,¾,³,ç□B TCP/IP fìfbfgf□□[fN,ìfpftfH□[f}f“fX,ðCEü□ã,³,¹,é,É,í□AWindows NT fNf %ofCfAf“fg,©,ç,Û,©,ìf□□[fj□□,ìfT□[fo□□[,Éf_fCf,,f<fCf“ ,·,é,Æ,«,É□AWINS fT□[fo□□[,Û,½,ìfvf□fLfv (“ã—□) fG□[fWfFf“fg,ðŽg,ç,Û,·□B,½,¾,μ□AfT□[fo□□[,ª LAN □ã,Ä Windows NT Server ,ì WINS fT□[fo□□[,Û,½,ìfvf□fLfv fG□[fWfFf“fg,ÉfAfNfZfX,Á,«,é,æ,κ,É□□—,³,ê,Ä,ç,é□ê□±,ÉCEÄ,è,Û,·□B

fŠf, [fg fAfNfZfX, ì<-‰Â, ð•t—^, ·, é

RAS , ðfT [fo [, ÉfCf“fXfg [f<, µ, ½CEä, Å AfT [fU [, ÉfŠf, [fg fAfNfZfX, ì<-‰Â, ð—
^, |, È, ^, é, î, È, è, Û, ¹, ñ BfŠf, [fg fAfNfZfX, ì<-‰Â, ¢, È, ^, é, î Af_fCf,, f<fAfbfv flfbfgf [fN, ìfNf%ofCfAf“fg f\
ftfgfEfFfA, ¢fRf“fsf... [f^, ÉfCf“fXfg [f<, ³, é, Ä, ç, Ä, à AfT [fU [, í RAS fT [fo [, ÉÚ’ ±, Å, <, Û, ¹, ñ B

fŠf, [fg fAfNfZfX, ì<-‰Â, ðft [fU [, É•t—^, ·, é, É, í

- 1 [fXf^ [fg] f [fj... [, ©, ç [ŠÇ— [fc [f< (<æ’É)] ftfHf<f_ , ì [fŠf, [fg fAfNfZfXŠÇ— [, ðfNfŠfbfN, µ, Ä AŠÇ—
 [ft [[fefBfŠfefB, ð<N“ @, µ, Û, · B
- 2 fŠf, [fg fAfNfZfX, ì<-‰Â, ðŸ’è, ·, éfT [fo [, Û, ½, íhf [fCf“ , ð’í’ð, µ, Û, · B
- 3 [ft [fU [] f [fj... [, ì [fŠf, [fg fAfNfZfX, ì<-‰Â] , ðfNfŠfbfN, µ, Û, · B
 [fŠf, [fg fAfNfZfX, ì<-‰Â] f_fCfAf [fo f {fbfNfX, ¢•\Ž, ³, é, Û, · B
- 4 ^È~ , ì’€ [i•û-@ , É, Ä, ç, Ä, í A [fwf<fv] , ðfNfŠfbfN, µ, Ä A [fwf<fv, ì à-¾, ðŽQ [Æ, µ, Ä, , ¾, ³, ç B
 ‘ [Guest fAfjEf“fg, ÉfŠf, [fg fAfNfZfX, ì<-‰Â, ð—^ , |, é, Æ A•s [³, ÈfAfNfZfX, ¢ [s, í, é, é‰‰Â“\
 [<, ¢ , é, ì, Å’ [^Ó, µ, Ä, , ¾, ³, ç B, ±, é, ð [s, ¢ [é [ž, í A Guest fAfjEf“fg, É•K, , fpfXf [[fh, ðŠ,, è“- , Ä, Ä, -
 , ¾, ³, ç B

ISDN f fCfh fGfŠfA flfbfgf fN,lfCf“fXfg f

ISDN ,đŽg,ÆA“d~b%ňü,Æ”ä,x,Ä,‘,È’ÊM,đs,±,Æ,â,Ä,«,Ü,·B’Êí,ì“d~b
%ňü,Ä,íA^ê”Ê“l,È’ÊM’~“x,í-^•b 9600 frfbfg (bps) ,Ä,·,ªAISDN %ňü,ì’ÊM’~“x,íA64kbps ,Ü,½,í
128kbps ,Ä,·BISDN <@Ší,Æ%ňü,É•K—v,È”i—p,íAf,fff€,Æ“d~b%ňü,đŽg,æè,æ,è,,-
,È,è,Ü,·,ªAÚ’±ŽžŠÔ,ªZZžŠÔ,Äí,þ,ì,ÄA—~—p—z<à,đß-ñ,Ä,«,é,±,Æ,à, ,è,Ü,·BŽÀ-±,Ä,±,ì,æ,±
,È,‘~’ÊM,ª•K—v,Æ,È,é—á,Æ,µ,Ä,íA½,,ìY’iŽD^ö,đ•ø,í,Ä,ç,éŠé<Æ,âA’â—Ê,ì’ÊM,đ”ª,±SÇ—
í<Æ,đfšf, f,ç,ª•K—v,ª , éèè (,½,Æ,í,íA—f,è,½èèŠ,ÉY’u,ª,è,Ä,ç,éf fNfXfe fVf” ,Éf
ftgfEjFfA,đfCf“fXfg f,·, éèèè,È,Ç) ,ªí,í,ç,è,Ü,·B

1 -{,ì ISDN %ňü,É,íA64Kbps ,Äff f^,đ“`—,·,é B f ffflf,ª 2 ,Ä,ÆA16Kbps ,Äff f^,đ“`—
,·,éM+—ŽóM—p,ì D f ffflf,ª 1 ,Ä•t,ç,Ä,ç,Ü,·BISDN f f,íAfT f,·,æ,ÑSefNf
%fCfA”fg,ÉfCf“fXfg f,µ,Ä,,¾,¾,ç (fCf“fXfg f,ì€ižèè,É,Ä,ç,Ä,íAf f,lf}fj...fAf<,đŽQÆ,µ,Ä,-
,¾,¾,ç)B

Še B f ffflf,íA’P“Æ,lf f,Æ,µ,Ä<@“\,·,é,æ,±,É f—,Ä,«,Ü,·B,Ü,½AISDN fhf%ofCfo,ìŽí—
þ,É,æ,Ä,Ä,íA•;í” ,lf ffflf,đ“ f,µ,ÄŽg—p,Ä,«,éèè,à, ,è,Ü,·B,Ä,Ü,èA2 ,Ä,ì B f ffflf,Ä’P^ê,lf
 f,Æ,µ,Ä<@“\,·,é,æ,±,É f—,µ,ÄÄ“l,É,æ,èL,ç’Ñ^æ•,đŠ,,è“-,Ä,é,±,Æ,ª,Ä,«,Ü,·B,±,ì,æ,±,É f
 f—,·,é,ÆA%ňü~“x,í 128 Kbps ,Ü,ÄEüã,µ,Ü,·Bf ffflf,ì“ f,É,lfhf%ofCfo,²,Æ,ÉEÄ—
L,ì•úŽ@,ªí,ç,è,Ä,ç,é,½,ßAfNf%ofCfA”fg,ÆfT f,ì—¼•ú,Ä“ ,lfhf
%ofCfo,Æ“ ,¶<@Ší,đŽg,í,È, ,è,í,È,è,Ü,¹,ñB

rasdial

fŠf. [fg fAfNfzfx FT [frfx, đš]žn, μAžw'è, μ, ½fgf"fgfš, ÉÚ' ±, μ, Ü, ·B

rasdial fgf"fgfš-¼ [ft [fU [-¼ [fpfXf [fh | *]] [/domain: fhfCf"] [/phone: "d~b"Ô] [/callback: fR [f<fofbfN"Ô] [/phonebook: "d~b' fpfX] [/prefixsuffix]

rasdial [fgf"fgfš-¼] /disconnect

fpf%o f [f ^

, È, μ

fpf%o f [f ^, đžw'è, ¹, , ÉžÀs, , é, ÆACE»Ý, Ì RAS Ú' ±, Ì ó' Ô, º•ž, ³, è, Ü, ·B

fgf"fgfš-¼

systemroot\SYSTEM32\RAS fffBfCEfNfgfš, É, , éCE»Ý, Ì .PBK ftf@fCf<, Ìfgf"fgfš, đžw'è, μ, Ü, ·Bfgf"fgfš-¼, É<ó" • žš, á"Ážè • žš, ºšÜ, Ü, è, Ä, ç, ééé, ÍAfgf"fgfš-¼, đ"ňd^ø-p •, ("), Å^Í, Ý, Ü, ·B

[CEÄI—p, Ì" d~b'] flfvVfþ", º' ð, ³, è, Ä, ç, È, çéé, ÍARASPHONE.PBK ftf@fCf<, ºžg, í, è, Ü, ·B [CEÄI—p, Ì" d~b'] flfvVfþ", º' ð, ³, è, Ä, ç, ééé, ÍAusername.pbk , Æ, ç, x-¼' O, Ìftf@fCf<, ºžg, í, è, A, », Ìftf@fCf<-¼, ºA [f_cf, , f<fAfbfv flfbfgf [fN] fEfBf"fhfE, Ì^fCf<g<fo [É•ž, ³, è, Ü, ·B-¼' O, Ì<Éé, º"fl, μ, ½éé, ÍA-¼' O, É"Ô, º•t, , ç, è, Ü, ·B

žž, ÌfCEfWfXfgfš fgf"fgfš, đ•ÍX, , é, ±, Æ, É, æ, éA.PBK ftf@fCf<, Ìééš, đ•ÍX, Å, «, Ü, ·B

HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Network\RemoteAccess\PersonalPhonebookPath

ft [fU [-¼ [fpfXf [fh | *]

Ú' ±, Éžg, xft [fU [-

¼, ÆfpfXf [fh, đžw'è, μ, Ü, ·BfAfXf^fšXfN, đžw'è, μ, ½éé, ÍAÚ' ±žž, ÉfpfXf [fh, Ì"ü—Í, đ<B, ç, è, Ü, ·B, ±, Ì, Æ, «A"ü—Í, μ, ½žš, ÍA%æ-É, É, Í•ž, ³, è, Ü, ¹, ñB

/domain: fhfCf"

ft [fU [fA]fEf"fg, º, , éfhfCf", đžw'è, μ, Ü, ·B

, ±, Ìžw'è, đÉ—º, , é, ÆA [[, Ö, ÌÚ' ±] f_cfAf [fO f {fbfNfx, Ì [fhfCf"] f {fbfNfx, ÉÅCä, É"ü—Í, μ, ½fhfCf", ºžg, í, è, Ü, ·B

/phone: "d~b"Ô

"d~b' , Ìfgf"fgfš, Ì" d~b"Ô, Å, Í, È, Ažw'è, μ, ½" d~b"Ô, ºžg, í, è, Ü, ·B

/callback: fR [f<fofbfN"Ô

"d~b' , Ìfgf"fgfš, ÌfR [f<fofbfN"Ô, Å, Í, È, Ažw'è, μ, ½fR [f<fofbfN"Ô, ºžg, í, è, Ü, ·B

/disconnect

žw'è, μ, ½fgf"fgfš, ÌÚ' ±, đø'f, μ, Ü, ·B

/phonebook: "d~b' fpfX

"d~b' ftf@fCf<, ÌfpfX, đžw'è, μ, Ü, ·Bšù'è, Å, ÍA\systemroot\SYSTEM32\RAS\username.PBK , Å, ·Bftf@fCf<, Ìftf< fpfX, đžw'è, Å, «, Ü, ·B

/prefixsuffix

CE»Ý, Ì"Ú"º"Ô [/Ú"º"Ô [, ÌÚ'è (, Ü, ½, ÍAfgf"fgfš, ºÚ"º"Ô [/Ú"º"Ô [, ÌÚ'è, Ì"ä, í, è, É TAPI šÚ'nf_cf, , f<, Ìfv [fpfB, ÌÚ'è, đžg, x, æ, x, É [, ³, è, Ä, ç, ééé, ÍATAPI šÚ'nf_cf, , f<, Ìfv [fpfB, ÌÚ'è), đ" d~b"Ô, É"K—p, μ, Ü, ·B, ±, è, ç, ÌÚ'è, Ìf_cf, , f<fAfbfv flfbfgf [fN, Å [, ³, è, Ä, ç, Ü, ·Bšù'è, ÌÚ'è, Å, ÍA, ±, Ìfpf%o f [f ^, Ìftf, Å, ·B

rasdial , ÌÚ'x, É, Å, ç, Å, ÍAžž, Ì, ç, , , è, ©, Ìf {f^f", đfNfšfbfN, μ, Å, , ¾, ¾, çB

rasdial -- ' [

□ rasdial -- --á

rasdial -- '□

rasdial ,í□AfŠf,□[fg fAfNfZfX fvf□fOf%of€ (RASPHONE.EXE) ,ì [f_fCf,,f<] f{f^f“ , ,æ,Ñ [□Ø'f] f{f^f“ ,É'Š“-
 , ,éfRf}f“fh f%ofCf“ fRf}f“fh,Á□A'É□í,í□Afofbf` ftf@fCf<, © ,ç□Ú'±,đŠm—

- s, ,é□ê□±,ÉŽg,í,ê,Ü, ·□BRASPHONE.EXE ,ì<@“\,ì,α,¿ŽŸ,ì<@“\,í□Arasdial ,Á,ÍfTf|□[fg,³,ê,Ä,ç,Ü,¹,ň□B
- f_fCf,,f< fV□[fPf“fX't□Af^□[f~fif< f,□[fh ft□[fU□[fGf“fgfŠ,ª•K—v,Æ,É,éfGf“fgfŠ,Ö,ì□Ú'±□B
- □Ú'±,ÉŽ,“s,μ,½,Æ,«,ìŽ©“@fŠf_fCf,,f<□B,½,¾,μ□ARASPHONE ,đŽÁ□s,μ,Ä,ç,é□ê□±,í□Arasdial
- ,Áf_fCf,,f<,³,ê,½fGf“fgfŠ,à□ARASPHONE ,É,æ,Á,ÁfŠf_fCf,,f<,³,ê,Ü,·□B
- flfyfç□[f^,Ü,½,íŽè“@,É,æ,éf_fCf,,f<□B

rasdial ,ì□Ú□×,É,Ä,ç,Ä,í□AZŸ,ì,ç, ,ê,© ,ìf{f^f“ ,đfNfŠfbfN,μ,Ä,¾,³,ç□B

▣ rasdial -- —á

▣ rasdial

rasdial -- —á

RASPHONE.PBK ,ì OFFICE ,Æ,ç,ƒGf“fgfŠ,ÉÚ’±,·,é,É,ÍAŽŸ,ì,æ,ƒ,É“ü—Í,μ,Û,·B

rasdial office

RASPHONE.PBK ,ì OFFICE 2 ,Æ,ç,ƒGf“fgfŠ,ÉÚ’±,μAfR[f<fofbfN”Ôt,ðŽw’è,·,é,É,ÍAŽŸ,ì,æ,ƒ,É“ü—Í,μ,Û,·B

rasdial "office 2" /callback:555-8086

EAST OFFICE ,Æ,ç,ƒGf“fgfŠ,Æ,ìÚ’±,ð%øœ,·,é,É,ÍAŽŸ,ì,æ,ƒ,É“ü—Í,μ,Û,·B

rasdial "EAST OFFICE" /d

rasdial ,ìÚ×,É,Â,ç,Ä,ÍAŽŸ,ì,ç,,é,©,lf{f^f“,ðfNfŠfbfN,μ,Ä,,¾,¾,çB

▣ rasdial

▣ rasdial -- ‘

rasadmin

Žw'è,μ,½fpf%of□□[f^,đŽg,Á,Ä□AfŠf,□[fg fAfNfZfXŠÇ—□fvf□fOf%of€,đ•N“® ,μ,Ü,·□B

rasadmin [fhf□fCf“ -¼ | fT□[fo□[-¼] [/l] [/h]

fpf%of□□[f^

fhf□fCf“ -¼

ŠÇ—□,·,éfhf□fCf“,đŽw'è,μ,Ü,·□BŽw'è,μ,½fhf□fCf“,ì RAS fT□[fo□[,ª\Ž!,³,è,Ü,·□B

fT□[fo□[-¼

ŠÇ—□,·,éft□[fo□[,đŽw'è,μ,Ü,·□Bf□fOfif“,μ,½ft□[fU□[,í Administrators

fOf□[fv,ìf□“fo□[,Á,È,·,ê,Î,È,è,Ü,¹,ñ□B

/l

ŠÇ—□ŽÒft□[fefBfŠfefB,đ□A'á'→%ñü□Ú'±f,□[fh,ÁŽÀ□s,·,é,æ,κ,É□Y'è,μ,Ü,·□B,±,ìfpf

%of□□[f^,đŽw'è,·,é,Æ□A'd~b%ñü,đ%î,·,é,ÆŽžŠÖ,ì,©,©,éfhf□fCf“ -¼,Æft□[fU□[-¼,ìŽQ□Æ,ªŽg—

p,Á,«,È,,È,è,Ü,·□Bft□[fo□[,âft□[fU□[,đŽQ□Æ,·,é•K—

v,ª,È,ç□ê□‡,í□AfpftfH□[f}f“fX,đCEü□ă,³,¹,é,½,ß,É□A,±,ìfpf%of□□[f^,đŽw'è,μ,Ä,,¾,¾,ç□B(□→•¶Žš,ì L ,Á,·)

/h

ŠÇ—□ŽÒft□[fefBfŠfefB,đ□AŠù'è,ìf,□[fh,Á, ,é□, '→%ñü□Ú'±f,□[fh,ÁŽÀ□s,·,é,æ,κ,É□Y'è,μ,Ü,·□B,±,ìfpf

%of□□[f^,đŽw'è,·,é,Æ□Afhf□fCf“ -¼,Æft□[fU□[-¼,đŽQ□Æ,Á,«,Ü,·□B

rasadmin ,ì□Ú□×,É,Á,ç,Ä,í□AZŸ,ì,ç,, ,é,©,ìf{f^f“,đfNfŠfbfN,μ,Ä,,¾,¾,ç□B

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,Æ,Í,Å,«,Ü,¹,ñ□B

^È'O,É'I'ð,μ,½Šefhf□fCf“, ;,æ,ÑfT□[fo□[,ì%ñ□ü□Ú'±f,□[fh ('á'¬□A□,'¬,ì,ç,,é,©)

,Í□AƒƒfWƒXƒgƒŠ,É•Ú'¶,³,ê,Ä,ç,Ü,·□B,±,ì,½,ß□A'á'¬%ñ□ü□Ú'±,©,ç□,'¬%ñ□ü□Ú'±

,Ö,Æ□A^È'O,ì□Ý'è,ð•Ì,ì,é•K—v,ª, ,é□ê□†,Í□Arasadmin ,É /h fpƒ%of□□[f^,ðŽw'è,μ,È,¯,ê,Î,È,è,Ü,¹,ñ□B

rasadmin ,ì□Ú□×,É,Å,ç,Ä,Í□AZŸ,ì,ç,,é,© ,ìf{f^f“,ðfNfŠfbfN,μ,Ä,,¾,¾,ç□B

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rasadmin -- -á

'á'¬%ñüú'±,ÁANT_SERVER01 ,Æ,ç,æ-¼'O,ìfT[]fo[],đŠÇ—[],é,É,ÍAŽŸ,ì,æ,æ,É"ü—í,μ,Ü,·B

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rasadmin ,ìÚ×,É,Á,ç,Ä,ÍAŽŸ,ì,ç,,é,©,ìf{f^f",đfNfŠfbfN,μ,Ä,,¼,³,çB

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fZfLf...fŠfefB<@“\,İŠT—v

Windows NT ,İft□[fU□[fA]fEf“fg,Æfhf□fCf“,İ□A”F□Ø,İ^Ă□+‰»É,æ,éfZfLf...

fŠfefB,đ'ň<Ÿ,μ,Ü,·□B,³,ç,É□ARAS ,İ□AfR□[f<fofbfN,âff□[f^,İ^Ă□+‰»É,Ç,İfZfLf...

fŠfefB,đ'ň<Ÿ,μ,Ü,·□B,Ü,½□AfT□[fh fp□[fefB□»,İfZfLf...fŠfefB

fzXfg,đfCf“fXfg□[f<,μ□ACE CEÀ,İ,È,çft□[fU□[,É,æ,é LAN ,Ö,İfAfNfZfX,đ-h,®,±,Æ,à,Ă,«,Ü,·□B

,±,±,Ă,İ□AZŸ,İ,æ,α,È RAS fZfLf...fŠfefB<@“\,É,Ă,ç,Ă□à-¾,μ,Ü,·□B

- fhf□fCf“,Ă,İ RAS ,İfZfbfgfAfbfv
- ft□[fU□[fA]fEf“fg,É'İ,·,éfŠf,□[fg fAfNfZfX,İ<-‰Ă,İ•t—^
- ft□[fU□[fA]fEf“fg,É'İ,·,é RAS fZfLf...fŠfefB,İ□Ÿ'è
- ff□[f^,İ^Ă□+‰»
- fR□[f<fofbfN fZfLf...fŠfefB
- fZfLf...fŠfefB fzXfg,İfTf|□[fg
- ŠĂ□,

fhfjfcf"à,À RAS ,dfZfbfgfAfbfv,·,é

RAS fZfLf...fŠfefB,dfNf%fcfAfg,É"K—p,·,é,É,íQAZÏ,ì 3 ,Ä,ìžèq,ª•K—v,Ä,·QB,Ü, ,QAWindows NT fhfjfcf",É RAS ,dfZfbfgfAfbfv,µ,Ü,·QBŽÏ,ÉQAWindows NT ,íftQ[fUQ[fAjjfEf"fg,ÉfŠf,ífg fAfNfZfX,ì<- %oÄ,ð—^,·,ü,·QBQÄEä,ÉQA,±,è,ç,íAjjfEf"fg,É RAS fZfLf...fŠfefB,ðQY'è,µ,Ü,·QB

,±,±,Ä,íQAWindows NT ,íftQ[fUQ[fAjjfEf"fg,ÆQARAS ,ífhfjfcf" fxQ[fX,íZfLf...fŠfefB,ðŽÀ'·,·,é•û- @,É,Ä,ç,ÄQà-¾,µ,Ü,·QB,±,±,Ä,íQAFhfjfcf",ªŠù,ÉŠm—š,³,è,Ä,ç,é,±,Æ,ð'O'ñ,Æ,µQASù'¶,ífhfjfcf"Q\ç,É RAS ,ð"Qq,·,é•û-@,É,Ä,ç,ÄQà-¾,µ,Ü,·QBWindows NT Server ,ífhfjfcf" fxQ[fX,íZfLf...fŠfefB,ðŽg,ª RAS ftQ[foQ[,íQAP^è,ífhfjfcf",ÉQW't,³,¹,é,±,Æ,àQAM—ŠŠÖEW,ªŠm—š,³,è,Ä,ç ,é•íQ",ífhfjfcf",É•ªŽU,³,¹,é,±,Æ,à,Ä,«,·QB

ftQ[foQ[,íQW't%o»

ŠÇ—Q,ð—e^Ö,É,·,éQèQ,íQAP^è,ífhfjfcf",É,·,x,Ä,íŠf,ífg fAfNfZfX ftQ[foQ[,ðQW't,³,¹,ü,·QB,± ,íQèQ,íQ A1 ,Ä,íftQ[fUQ[fAjjfEf"fg ffQ[f^fxQ[fX,¾,·,ð•ÜŽç,·,è,í,æ,QAfVfXfef€ŠÇ—QŽO,í,·,x,Ä,ì RAS ftQ[foQ[,Æ RAS ftQ[fUQ[,ð^è"x,ÉŠÄŽ<,Ä,«,Ü,·QB(Še"·-ã,ÄftQ[fUQ[fAjjfEf"fg,ð•ÜŽç,·,éQèQ,íQAM— ŠŠÖEW,ðŽg,ç,Ü,·QB)

'Q fhfjfcf",íQA"·—Q"í,É'P^È,Ä,í,É,QA~_—Q"í,É'P^È,Ä,·QBQW't %o»,³,è,½ftQ[foQ[,íQA,³,Ü,·,Ü,ÉQèQŠ,É"z'u,µ,Ä,àQA,»,ífhfjfcf",ì^è•",É,·,é,±,Æ,ª,Ä,«,·QB

fhfjfcf",íQM—ŠŠÖEW,ðŠm—

š,µ,½QèQ,íQASeftQ[fUQ[,íftQ[fUQ[fAjjfEf"fg,ð'P^è,ífhfjfcf",ÉfZfbfgfAfbfv,·,é,±,Æ,ªQAP,ì•û- @,Ä,·QB"Ä,ÉQAVersion 1.1 ^É'O,ì RAS ,ðŽg,Ä,Äf_fcf",f:fcf",·,éftQ[fUQ[,ª,ç,éQèQ,É"-,Ä,í,Ü,è,Ü,·QB RAS ftQ[foQ[,íQA,»,íftQ[foQ[,ífhfjfcf",ÄftQ[fUQ[,íAjjfEf"fg,ªCE@,Ä,©,ç,È,©,Ä,½QèQíQAM—Š,³,è,é'ª ,ífhfjfcf",ð"Žž,ÉŠm"F,µQAQÄ%o,ì%ož"š,ðŽó,~"ü,è,Ü,·QBQÄ%o,É %ož"š,µ,½fhfjfcf",íftQ[fUQ[,ª•É,ífpfXfQ[fh,ðŽQ,Ä,Ä,ç,é,©QA,Ü,½,íŠf,ífg fAfNfZfX,ì<-%oÄ,ðŽQ,Ä,Ä,ç ,É,çQèQ,íQA2 "Ô-Ú,É%ož"š,µ,½•É,ífhfjfcf",ÉfŠf,ífg fAfNfZfX,ì<- %oÄ,ðŽQ,Ä"·,íftQ[fUQ[fAjjfEf"fg,ª ,Ä,Ä,àQA"FOØ,íŽ,·"s,µ,Ü,·QB

ftQ[foQ[,ì•ªŽU%o»

Q_ "íQ«,âfQ[fjç,ÄQ\$Eä,Ä,«,é,±,Æ,ðQdž<,·,é't<K-í,ìŠé<ÆQA,Ü,½,íZfLf...fŠfefB,ðQW't"í,ÉŠÇ—Q,·,é•K— v,ª"Ä,É,È,çŠé<Æ,Ä,íQA"•ªŽUftQ[foQ[fVfXfef€" ,ì•û,ª"K,µ,Ä,ç,éQèQ,ª,è,Ü,·QB•ªŽUftQ[foQ[fVfXfef€ ,Ä,íQA"·-ã,Ü,½,íftQ[fNfof<Q[fv,²,Æ,ÉQA,»,è,¾,è,íŠf,ífg fAfNfZfX fhfjfcf",dfZfbfgfAfbfv,µQA•ÜŽç,µ,Ü,·QB,±,ìQèQíQAM—ŠŠÖEW,ðŽg,Ä,Äfhfjfcf"ŠÖ,íAfnfZfX,ð<- %oÄ,Ä,«,·QB

'Q Windows NT Server ,ðŽg,Ä,Ä,ç,éQèQíQAFtQ[fUQ[fAjjfEf"fg,Æfhfjfcf",ìQÚQx,É,Ä,ç ,Ä,íQAQwWindows NT Server fRf"fZfvfg fAf"fh fvf%of"fff"fo fKfCfhQx,ðŽQQÆ,µ,Ä,¾,³,çQB

RAS .Ö,lfAfNfZfX,ð<-‰Å,µAfŠf,[]fg fAfNfZfX,ì<-‰Å,ð•t—^,.,é

RAS fT[]fo[][,ðfCf“fXfg[]f<,µ,½CEã,ÅAf_fCf,,f_fCf“ ,Á,«,éft[]fU[][,ðŽw’è,µ,È,¯,ê,î,È,è,Û,¹,ñBfŠf,[]fg fAfNfZfXŠÇ—[]ft[]fefBfŠfefB,Û,½,íft[]fU[][f}f[]fWff,ðŽg,Á,ÄAfRf“fsf...

[]f^,Û,½,lfhf[]fCf“ ,íft[]fU[][fAfjJef“fg,ð’I’ð,µ,Û,·BŽÿ,ÉACEã,Åà-¾,.,é•û-

@,ÅAfT[]fU[][fAfjJef“fg,ÉŠf,[]fg fAfNfZfX,ì<-‰Å,ð—^,.,Û,·BfŠf,[]fg ft[]fU[][,íAfŠf,[]fg

fAfNfZfX,ì”F[]Ø,ð’È‰β,µ,Å LAN ,ÉÛ’±,µ,½CEã[]AfAfNfZfXCE ,ðŽ,ÁfAfvfŠfP[]fVf#f“

ft[]fo[][,ìŽ’CE¹,ÉfAfNfZfX,Å,«,Û,·BfŠf,[]fg fAfNfZfX,ì<-‰Å,íAfT[]fU[][,²,Æ,É—LCEø,Û,½,í-

³CEø,Éÿ’è,.,é,±,Æ,É’^Ó,µ,Ä,,¾,³,çBRAS ,^a Windows NT Server []ã,Ä“@[]ì,µ,Ä,ç

,éê[]#,àAfIbfbgf[]fN,Ö,lfAfNfZfX,íAfAfNfZfX,^a•K—v,Éft[]fU[][,²,Æ,É-¾Ž’I,É<-

‰Å,µ,È,¯,ê,î,È,è,Û,¹,ñB

’[] fŠf,[]fg ft[]fU[][,íAZ--±[]Š,É,ç,éê[]#,Æ“¯,¶,æ,æ,É Windows NT Server ,lfZfLf...

fŠfefB,ì’íÛ,É,È,è,Û,·BCE CEÀ,ì,È,ç’€[]ì,âAfAfNfZfXCE ,ì,È,çŽ’CE¹,Ö,lfAfNfZfX,í,Å,«,Û,¹,ñB

RAS ft[]fU[][]ê—p,íft[]fU[][fAfjJef“fg,ð[]ì-,.,é•K—v,í, ,è,Û,¹,ñBRAS ft[]fo[][,íAWindows NT

flfbfgf[]fN[]ã,ìM—Š,³,é,é’æ,lfhf[]fCf“ ,Û,½,íRf“fsf...[]f^,íft[]fU[][fAfjJef“fg,ðŽg,ç,Û,·B

fŠf,[]fg fNf‰fCfAf“fg,ðhf[]fCf“ ,É’Ç‰Å,.,é•û-@,É,Ä,ç,Ä,íAfRf“fgf[]f< fpfI<,lfwf<fv,ðŽQ[]Æ,µ,Ä,-

,¾,³,ç[]B

fAfJfEf“fg,É RAS fZfLf...fŠfefB,đŸ’è,.,é

fŠf.□[fg ft□[fU□[.í□Aflfbfgf□□[fN,ÉfAfNfZfX,.,é’O,É□A,Ü,½,ífgf%oftfbfbfN,đŸŸ□—,.,é’O,É□AfŠf,□[fg fAfNfZfX ft□[fo□[.©,ç”F□Ø,đŽó,~,È,~,é,î,È,è,Ü,¹,ñ□B,±,ì”F□Ø,í□AWindows NT ,Ö,ìf□fofjf“ ,Æ,í^Ü,È,é□EÀ•Ê,ìŽè□#,Á,·□Bft□[fU□[fpjxf□□[fh,Æ”F□Ø,ìŽè□#,í□A%ñ□ü,đ%oi,μ,Ä“`’— ,³,è,é,Æ,«,É^Ã□+%»»,³,è,Ü,·□B

fŠf.□[fg ft□[fU□[.áfAfNfZfX,Á,«,é”í^í,í□Aflfbfgf□□[fN’S’ì,ÉŸ’è,.,é,±,Æ,à□AfŠf,□[fg fAfNfZfX ft□[fo□[.¾,~,É□\$CEÀ,.,é,±,Æ,à,Á,«,Ü,·□B,±,ì,½,š□AŠÇ—□ŽÒ,í□AfŠf,□[fg ft□[fU□[.ª~— p,Á,«,é□î•ñ,đŠmŽÀ,É□\$CEä,μ□AfZfLf...fŠfefB,ì□NŠQ,ª ,Á,½□è□#,í□AfAfNfZfX,đ□\$CEÀ,Á,«,Ü,·□B

fŠf.□[fg fAfNfZfX,ì<-%oÁ,đft□[fU□[.É—^,; ,é•û-@,É,Á,ç,Ä,í□A□ufŠf,□[fg fAfNfZfX,ì<- %oÁ,đŸ’è,.,é□v,đŽQ□Æ,μ,Ä,,¾,³,ç□B

flfbfgf□□[fN fAfNfZfX,đ<-%oÁ,μ,½,è<ÖŽ~,μ,½,è,.,é

fŠf.□[fg ft□[fU□[.ìflfbfgf□□[fN fAfNfZfX,í□A”fofCf”fh” ,ÆCEÄ,î,é,é□Afvf□fgfRf<,ÆfAf_fvf^,ì’g,Ý□#,í,¹,đ— LCEø,Ü,½,í-³CEø,É,.,é,±,Æ,É,æ,Á,Ä□\$CEä,μ,Ü,·□B

- ft□[fU□[.É,æ,éŽ’CE¹,Ö,ìfAfNfZfX,đ<-%oÁ,.,é,É,í□AfofCf”fh,đ—LCEø,É,μ,Ü,·□B
- ft□[fU□[.É,æ,éŽ’CE¹,Ö,ìfAfNfZfX,đ<ÖŽ~,.,é,É,í□AfofCf”fh,đ-³CEø,É,μ,Ü,·□B

fofCf”fh,ì□Ú□×,É,Á,ç,Ä,í□AfRf”fgf□□[f< fpjlf<,ì [flfbfgf□□[fN] fAfCfRf”□A,“,æ,ÑfRf”fgf□□[f< fpjlf<,ìfj”f %ofCf” fwf<fv,đŽQ□Æ,μ,Ä,,¾,³,ç□B

fŠf,□[fg ft□[fU□[.ìfAfNfZfX”í^í,đf_fCf,,f<fCf” ft□[fo□[.É□\$CEÀ,.,é

fŠf.□[fg fAfNfZfX ft□[fo□[.áfIbfgf□□[fN,É□Ú’±,³,è,Ä,ç,é□è□#,Á,à□AfŠf,□[fg ft□[fU□[.áfAfNfZfX,Á,«,é”í^í,đf_fCf,,f<fCf” ft□[fo□[.É□\$CEÀ,μ□AfŠf,□[fg ft□[fU□[.áfIbfgf□□[fN,đ~— p,Á,«,É,ç,æ,μ,É,.,é,±,Æ,ª,Á,«,Ü,·□BRAS ,ìfZfbfgfAfbfv,Á,í□Aft□[fU□[.Éflfbfgf□□[fN’S’ì,Ö,ìfAfNfZfX,đ<- %oÁ,.,é,©□A,Ü,½,íft□[fo□[.Ö,ìfAfNfZfX,ì,Ý,đ<-%oÁ,.,é,©,đŽw’è,μ,Ü,·□B□Ú□×,É,Á,ç,Ä,í□A□uLAN fv□fgfRf<,đŽg,μ,æ,μ,É RAS ,đŸŸ□—,.,é□v,đŽQ□Æ,μ,Ä,,¾,³,ç□B

Ú'±Žž,lfzfLf...fŠfefB,ì,μ,Ÿ

ŽŸ,ìžè±,íAfNf%ofCfAf“fg,©,ç RAS fT[fo[,ðCEÄ,Ño,·%oB'ö,ðžì,μ,Û,·B

1 fNf%ofCfAf“fg,íAf_fCf,,fAfbfv flfbfgf[fn,ðžg,Á,ÄŠf,[fg fAfNfZfX fT[fo[.Éf_fCf,,f<,μ,Û,·B

2 fT[fo[.íA“F∅,ì,½,ß,ì“ü—í,ðfNf%ofCfAf“fg,É<∅,ß,Û,·B

3 fNf%ofCfAf“fg,íA%ž“š,ð^Ã+%»μ,ÄfT[fo[.É'—∅M,μ,Û,·B

4 fT[fo[.íAf+∅fU[ff[f^fx∅fX,ÉŠì,Ä,ç,Ä%ž“š,ðŠm“F,μ,Û,·B

5 fAfjEf“fg,^a—LCE∅,Ä, ,é,íAfT[fo[.íAf+∅fU[.ífŠf,[fg fAfNfZfX,ì<-%oÄ,ðŠm“F,μ,Û,·B

6 fŠf,[fg fAfNfZfX,ì<-%oÄ,^a—^,ì,ç,é,Ä,ç,é,íAfT[fo[.íAfNf%ofCfAf“fg,ÉÚ'±,μ,Û,·B

fR[f<fofbfN,^a—LCE∅,É,É,Ä,Ä,ç,éé±AfT[fo[.íAfNf%ofCfAf“fg,ÉfR[f<fofbfN,μ,Äžè± 2 ,©,ç 6 ,ðCEJ,è•Ô,μ,Û,·B

'∅ fhf∅Cf“ŠÄ<<,Ä RAS ,ðžg,±é±,íAfŠf,[fg fAfNfZfX,ì<-%oÄ,ð•ìX,μ,Ä,àA,» ,ì•ìX,^a,·, x ,Ä,ífT[fo[.Ä'¼,ç,É—LCE∅,É,É,é,±,Æ,í, ,è,Û,¹,ñBfhf∅Cf““à,ì,Û, ©,ífT[fo[.É•ìX“à—e,ð•;∅»,·,é,½,ß,ÉA∅Ä'â,Ä-ñ 15 •^a,©,©,é,±,Æ,^a, ,è,Û,·B•K— v,Ä, ,é,íAfhf∅Cf“ ,ðÄ“~Šú%» ,·,é,±,Æ,É,æ,èA•ìX“à— e,^aŠefT[fo[.Éž©“®“ì,É•;∅»,³,é,é,Û,Ä,ì, ,ç,¾A<-%oÄ,ðžæ,èA,³,é,½f+∅fU[.±flfbfgf[fn,ÉfAfNfZfX,·,é,±,Æ,ð-hž~ ,Ä,« ,Û,·B

fR[f·fofbfN,ð□□¬,·,é

fZfLf...fŠfefB,ð,³,ç,É□,·,ß,é,½,ß,É□ARAS ,É,lfR□[f·fofbfN<@“\,ª—p^Ó,³,è,Ä,ç,Ü,·□BfR□[f·fofbfN<@“\,ðŽg,κ
,Æ□ARAS fT□[fo□[,ÉfAfNfZfX,Å,« ,é,ì,Í□A’Á’è,ì□è□Š, ©,ç□Ú’±,μ,æ,κ,Æ,μ,Ä,ç
,éft□[fU□[,¾, ,É,È,è,Ü,·□B,Ü,½□Aft□[fU□[,ì“d~b—ζ<à,ð□ß-ñ,·,é,±,Æ,à,Å,« ,Ü,·□B

fR□[f·fofbfN,ðŽg,κ□è□±,Í□A□Å□%o,Éft□[fU□[,ª RAS fT□[fo□[,ðCEÄ,Ñ□o,μ□ARAS fT□[fo□[,É□Ú’±
,μ,Ü,·□BRAS fT□[fo□[,Í□AZŽ,É□Ú’±,ð□Ø’f,μ□A, ,ç, ©, ¶,ß□Ý’è,³,è,Ä,ç
,éft□[f·fofbfN”Ô□†,ðŽg,Á,Ä’¼,ζ,Éft□[fU□[,ÉfR□[f·fofbfN,μ,Ü,·□BfR□[f·fofbfN<@“\,ðŽg,κ
,Æ□A’¼,ìft□[fU□[,ð’·,Á,ÄfIfbfgf□□[fN,ÉfAfNfZfX,μ,æ,κ,Æ,·,é□N”üŽÒ,ì’â·“ª,ð’jŽ~ ,·,é,±,Æ,ª,Å,« ,Ü,·□B

Šeft□[fU□[,lfR□[f·fofbfN,ì<-%oÄ,Í□AfŠf,□[fg fAfNfZfX,ì<-%oÄ,ð—^ ,ì,é,Æ,« ,É□□¬,μ,Ü,· (fŠf,□[fg
fAfNfZfX,ì<-%oÄ,ì·t—^ ,É,Ä,ç,Ä,Í□A□ufŠf,□[fg fAfNfZfX,ì<-%oÄ,ð·t—^ ,·,é□v,ðŽQ□Æ,μ,Ä,¾,³,ç)□B

fŠf,□[fg fAfNfZfXŠÇ—□,ì [fŠf,□[fg fAfNfZfX,ì<-%oÄ] f_fCfAf□fO f{fbfNfX,Å,Í□AZŽ,ì 3 ,Ä,lfR□[f·fofbfN
flfvfVf†“ ,ì,ç,·,è, ©,ð’ì’ð,Ä,« ,Ü,·□B

- [Ž-’O□Ý’è]
- [”□MŽÒ,É,æ,é□Ý’è]
- [fR□[f·fofbfN,μ,É,ç] (Šù’è,ì□Ý’è)

’□ ft□[fU□[,ª”F□Ø,³,è,ÄfR□[f·fofbfN,³,è,é,Ü,Å (fR□[f·fofbfN,ª□Ý’è,³,è,Ä,ç,é□è□±)□AfŠf,□[fg fNf
%ofCfAf”fg,½,Ü,ÍfŠf,□[fg fAfNfZfX fT□[fo□[, ©,çff□[f^ ,ì”]—,Í□s,ì,é,Ü,¹,ñ□B

ft□[fU□[,lfR□[f·fofbfN flfvfVf†“ ,ð·İ□X,·,é,É,Í

- 1 fŠf,□[fg fAfNfZfXŠÇ—□,ð<N“ @ ,μ,Ü,·□B
- 2 [ft□[fU□[] f□fj...□[,ì [fŠf,□[fg fAfNfZfX,ì<-%oÄ] ,ðfNfŠfbfN,μ,Ü,·□B
- 3 ft□[fU□[,ð’ì’ð,μ,Ü,·□B
- 4 fR□[f·fofbfN flfvfVf†“ ,É·K—v,È·İ□X,ð%oÄ,ì,Ü,·□B

[Ž-’O□Ý’è]

□Å,à^À’S□« ,ì□,·ç□Ý’è,ð’ì,Ô,É,Í□A[Ž-’O□Ý’è] ,ð’ì’ð,μ□Aft□[fU□[,lf,fff€,É□Ú’±,³,è,Ä,ç,é
%oñ□ü,ì“d~b”Ô□†,ð“ü—ì,μ,Ü,·□B,±,ì□è□±Aft□[fU□[, ©,ç,ìCEÄ,Ñ□o,μ,ªfŠf,□[fg fAfNfZfX fT□[fo□[,É“í,-
,Æ□Aft□[fo□[,ÍŽÝ,ìŽè□±,ÄfR□[f·fofbfN,μ,Ü,·□B

- 1 fT□[fo□[,lf□[fU□[[-¼,ÆfpfXf□□[fh,ª□³,μ,ç, ©,Ç,κ, ©,ð”»·É,μ,Ü,·□B
- 2 □³,μ, ,è,Í□A,» ,ìft□[fU□[,ÉfR□[f·fofbfN,·,é,±,Æ,ðŽ!,·f□bfZ□[fW,ð·Ô,μ,Ü,·□B
- 3 □Ú’±,ð□Ø’f,μ□A, ,ç, ©, ¶,ß□Ý’è,³,è,Ä,ç,é”Ô□†,ðŽg,Á,Äft□[fU□[,ÉfR□[f·fofbfN,μ,Ü,·□B
,±,ìflfvfVf†“ ,Í□AZŽ“î,É ,éRf”fsf...□[f^ ,È,Ç□A□□Ý,lfŠf,□[fg fRf”fsf...□[f^ ,É-ð—s,ζ,Ü,·□B

[”□MŽÒ,É,æ,é□Ý’è]

[”□MŽÒ,É,æ,é□Ý’è] ,Í□AZŽA□Ú,É,lfZfLf...fŠfefB<@“\
,Ä,ì ,è,Ü,¹,ñ,ª□A,³,Ü, ,Ü,è□è□Š, ©,ç^Ü,È,é“d~b”Ô□†,ÅCEÄ,Ñ□o,·fNf%ofCfAf”fg,É-ð—s,ζ,Ü,·□B,Ü,½□A,±
,ì,æ,κ,Éft□[fU□[,ì“d~b—ζ<à,ð□ß-ñ,·,é,±,Æ,à,Å,« ,Ü,·□Bft□[fU□[, ©,ç,ìCEÄ,Ñ□o,μ,ªfŠf,□[fg fAfNfZfX
fT□[fo□[,É“í, ,Æ□Aft□[fo□[,ÍŽÝ,ìŽè□±,ÄfR□[f·fofbfN,μ,Ü,·□B

- 1 fT□[fo□[,Í□A□Å□%o,Éft□[fU□[[-¼,ÆfpfXf□□[fh,ª□³,μ,ç, ©,Ç,κ, ©,ð”»·É,μ,Ü,·□B
- 2 □³,μ, ,è,Í□Aft□[fU□[,lfRf”fsf...□[f^ ,É [fR□[f·fofbfN] f_fCfAf□fO f{fbfNfX,ª·Ž!,³,è,Ü,·□B
- 3 ft□[fU□[,Í□Af_fCfAf□fO f{fbfNfX,ÉfR□[f·fofbfN,ì”Ô□†,ð“ü—
ì,μ□Aft□[fo□[, ©,çfR□[f·fofbfN,³,è,é,ì,ð’Ò,ζ,Ü,·□B

[fR□[f·fofbfN,É,μ]

ft□[fU□[[fAfJfEf”fg,ªfR□[f·fofbfN—p,É□□¬,³,è,Ä,ç,É,ç□è□±,Í□A,» ,ìft□[fU□[,ì-
¼’O,ÆfpfXf□□[fh,ª”F□Ø,³,è,é,Æ□A’¼,ζ,É RAS □Ú’±,ªŠm—s,³,è,Ü,·□B

'ž%oi'•'u,đ%oi,μ,ÄÜ'±,•,é

RAS ,íAfšf,ífg fAfNfZfX fNf%ofCfAf"fg,Æfšf,ífg fAfNfZfX fTífoí,ìšò,ÁAšeŽí,ì "'ž%oi'•'u" (fZfLf... fšfefB fzfXfg,ÆfXfCfbf`) ,đTfíífg,μ,Ä,Ü,•B'ž%oi'•'u,É,íAZŽ,ì,æ,π,È'•'u,è, ,è,Ü,•B

- f,fff€ fvíí< fXfCfbf`
- fZfLf...fšfefB fzfXfg
- X.25 flfbfgfíííN

fNf%ofCfAf"fg,íA'ž%oi'•'u,đ%oi,μ,Äfšf,ífg fAfNfZfX fTífoí,ÉÜ'±,•,é'ó,ÉAZŽ,ì 2 Ží—p,íf_fCfAfífo
 (fTífoí,ì"ü—í%æ-É,ÆfRf"fsf...íí^,ì%ž"š%æ-É) ,ì,ç,•,é,© ,đŽÀs,μAše'ž%oi'•'u,Æ'ÉM,μ,Ü,•B

- íí"íf_fCfAfífo (íí,É"~,íí"à—e,ÁAftíífoí,©,ç,ì"ü—í,đ•K—v,Æ,μ,É,çf_fCfAfífo)
- 'ŠCEYf_fCfAfífo (íí,É^Ü,É,é"à—e,ÁAftíífoí,©,ç,ì"ü—í,đ•K—v,Æ,•,éf_fCfAfífo)

Še'ž%oi'•'u,è³,μ,"@í,•,é,æ,π,ÉAfNf%ofCfAf"fg,đíí—,μ,È,•,é,ì,È,è,Ü,¹,ñB

íí"íf_fCfAfífo,Æ'ŠCEYf_fCfAfífo,ì—¼•ù,è•K—v,Èéíí,íAZŽ,ì 2 ,Á,ìžèíí,đŽÀs,μ,Ü,•B

1 íí"íf_fCfAfífo,ì,½,ß,ífXfNfšfvfg,đ<Líq,μ,Ü,• (íí'ž%oi'•'u—p,ífXfNfšfvfg,đ<Líq,•,éíív,đŽQíÆ,μ,Ä,- ,¾,³,ç)B

2 'ŠCEYf_fCfAfífo,ì,½,ß,Éf^íííí~íííí f,íííí,đfAfNfefBfu,É,μ,Ü,• (íí'ž%ofCfAf"fg,Áf^íííí~íííí f,íííí,đfAfNfefBfu,É,•,éíív,đŽQíÆ,μ,Ä,,¾,³,ç)B

- 1 Ží—p,íf_fCfAfífo,μ,©•K—v,È,çéíí,íAZŽ,ì,æ,π,ÉAíí<L,ì^è•ù,ìžèíí,¾,•,đŽÀs,μ,Ü,•B
- fNf%ofCfAf"fg,èAíí"íf_fCfAfífo,đŽg,π'ž%oi'•'u (X.25 flfbfgfíííN,È,Ç) ,đ 1 ,Á,¾,•%oi,μ,ÄÜ'± ,•,ééíí,íAZŽèíí 1 ,¾,•,đŽÀs,μ,Ü,•B
 - fNf%ofCfAf"fg,èA'SCEYf_fCfAfífo,đŽg,πfZfLf...fšfefB fzfXfg,đ%oi,μ,ÄÜ'±,•,ééíí,íAZŽèíí 2 ,¾,•,đŽÀs,μ,Ü,•B

'‡%oi'•'u—p,lfXfNfŠfvg,đ<L□q,.,é

□Ä"lf_fCfAf□fO,lfXfNfŠfvg,í□ASWITCH.INF ftf@fCf<,Å□AŠef_fCfAf□fO,²,Æ,É 1
,Ä,lfZfNfVf†f" ,É<L□q,³,é,Ü,·□B'‡%oi'•'u—p,lfXfNfŠfvg,í□A,.,x,Ä SWITCH.INF ftf@fCf<,É'Ç%ooÁ,μ,Ä,,³/₄,³,ç
(PAD.INF ftf@fCf<,É X.25 flfbfgf□□lfN fXfNfŠfvg,ì—á,³, ,é,ì,Å□AZQ□Æ,μ,Ä,,³/₄,³,ç)□B

f,fff€ fv□[f<,Ü,¹/₂,lfZfLf...fŠfefB fzfXfg,đ%oi,μ,Ä□Ú'±
,.,é□é□‡,í□A,»,ì'•'u,Æ,ìŠÖ,Åf_fCfAf□fO,đŽ□,¹/₂,È,¯,é,î,È,è,Ü,¹,ñ□Bf_fCfAf□fO,í□Af_fCf,,f<,ì'O,©f_fCf,,f<,ìCEä
,ì,Ç,ì,ç,©,É"-

□¶,μ,Ü,·□Bf_fCf,,f<'Of_fCfAf□fO,Æf_fCf,,f<CEäf_fCfAf□fO,É,í□A□Ä"lf_fCfAf□fO,Æ'ŠCEÝf_fCfAf□fO,ì,ç
,.,é,Ä,àŽg—p,Ä,«,Ü,; ,□A^è"È,É□Af_fCf,,f<'Of_fCfAf□fO,í□Ä"lf_fCfAf□fO,Ä, ,è□Af_fCf,,f<CEäf_fCfAf□fO,ìŠ
CEÝf_fCfAf□fO,Ä,·□B

Windows NT ,Ä'ñ<ÿ,³,é,é SWITCH.INF ftf@fCf<,É,í□A"Ä—p,lfXfNfŠfvg,³<L□q,³,é,Ä,ç,Ü,·□BPPP
fT□[fo□[,É□Ú'±,.,é'¹/₂,,ì□é□‡,í□A,±,lfXfNfŠfvg,đ,Ü,Æ,ñ,ç,Ü,¹/₂,í,Ü,Ä,¹/₂,•í□X,¹,, ,ÉŽg—
p,Ä,«,Ü,·□B,Ü, ,□A"Ä—p,lfXfNfŠfvg,đŽg,Ä,Ä□Ú'±,μ,Ä,,³/₄,³,ç□B"Ä—p,lfXfNfŠfvg,Ä□³,μ,□Ú'±
,Ä,«,É,ç□é□‡,í□A,±,lfXfNfŠfvg,đfRfs□[,μ□A□Ú'±□æ,lfŠf,□[fg fRf"fsf...
□[f^ ,lf□fOfIf"Žè□‡,É□‡,í,¹,Ä□C□³,μ,Ü,·□B

ŠÖ~A□€-Ú

SWITCH.INF fXfNfŠfvg,đŽg,Ä,ÄfŠf,□[fg f□fOfIf",đŽ©"@%o»,.,é

fzfLf...fŠfefB fzfXfg

"fzfLf...fŠfefB fzfXfg" ,Æ,Í,ÅfŠf,[]fg fNf%ofCfAf"fg,©,ç,fCf,,f<fCf" ,µ,½ft[]fU[] ,ÉÅfŠf,[]fg fAfNfZfX ft[]fo[] ,ÉÚ'± ,·,éCE À,ª— ^ ,;ç,è,Ä,ç,é,©,Ç,æ,©,ðCEÿ[] ,·,é,½,ß,lfT[]fh fp[]fB» ,l" f[]ffofCfX,Å,·B,±,lCEÿ[] ,Í,ÅARAS ,Æ Windows NT Server ,ÅŠù,É'ñ<ÿ,ª,è,Ä,ç,éfZfLf... fŠfefB,ð•à'« ,µ,Û,·B

fzfLf...fŠfefB fzfXfg,Í,ÅfŠf,[]fg ft[]fU[] ,Æ RAS ft[]fo[] ,lŠÖ,É'u,©,è,Û,·B'Ê[]AfZfLf...fŠfefB fzfXfg,Í,Å ,éŽí,lfn[]fhfEfffA fl[] ,È,Ç,ð—v<[] ,·,é,±,Æ,É,æ,Á,Ä" f[]Ø,ðs,ç[]AfŠf,[]fg fAfNfZfX,ÉfZfLf... fŠfefB,l'w,ð'Ç%oÁ,µ,Û,·BfŠf,[]fg ft[]fU[] ,Í,ÅARAS ft[]fo[] ,Ö,lfAfNfZfX,ª<-%oÁ,ª,è,é'O,É[]A" — []"l,ÉfL[] ,ðŠ—L,µ,Ä,ç,é,©,Ç,æ,©,ðCEÿ[] ,ª,è,Û,·BfZfLf...fŠfefB fzfXfg,Í,Åf[]fVf" fA[]LfefNf"j,[]»·i,É,ì,Å[]ARAS fzfLf...fŠfefB,lCEü[]ä,ì,½,ß,Éft[]fU[] ,É•K—v,É<@"\,ð,ª,Û,´,Û,ÉfVfXfef€ ,©,ç'l,Ö,±,Æ,ª,Ä,« ,Û,·B

,½,Æ,ì,Í,Å ,éŽí,lfZfLf...fŠfefB fVfXfef€,Í,ÅfZfLf...fŠfefB fzfXfg,ÆfZfLf...fŠfefB f[]fh,Æ,ç,æ 2 ,Ä,lfn[]fhfEfffA fffofCfX,Å[]—,ª,è,Ä,ç,Û,·B"fzfLf...fŠfefB fzfXfg" ,Í,ÅfŠf,[]fg fAfNfZfX ft[]fo[] ,Æf,fff€ ,lŠÖ,É'g,ÿž,Û,è,Û,·B"fzfLf...fŠfefB f[]fh" ,Í,ÅfNfCfWfbfg f[]fh'ö"x,lfTfCfY,[]—CE ^ ,lfffofCfX,Å[]Af'f^f" ,l,È,çf[]fhCE ^ ,l" d'ì,ÉŽ—,Ä,ç,Û,·BfZfLf...fŠfefB f[]fh,É,Í,Å1 •ª,ª,Æ,É^Û,È,éfAfNfZfX"Ö[]t,ª•\Ží,ª,è,Û,·B,±,l"Ö[]t,Í,ÅfZfLf...fŠfefB fzfXfg,Å 1 •ª,ª,Æ,ÉCEvŽŽ,ª,è,é" ,l"Ö[]t,Æ"Šú,µ,Ä,ç,Û,·BfŠf,[]fg fAfNfZfX ft[]fo[] ,ÉÚ'± ,·,é,Æ,« ,ÉÅfŠf,[]fg ft[]fU[] ,Í,ÅfZfLf...fŠfefB f[]fh,É•Ží,ª,è,é"Ö[]t,ðfzXfg,É—M,µ,Û,·B"Ö[]t,ª³,µ,´,è,Í,ÅfZfLf...fŠfefB fzfXfg,Í,ÅfŠf,[]fg ft[]fU[] ,ðfT[]fo[] ,ÉÚ'± ,µ,Û,·B

•È,ìŽí—p,lfZfLf...fŠfefB fzfXfg,Å,Í,ÅfŠf,[]fg ft[]fU[] ,ÉÅft[]fU[][-¼ (fŠf,[]fg fAfNfZfX ft[]fo[] ,É"o" ^ ,ª,è,Ä,ç,éft[]fU[][-¼,Æ" ,l-¼' O,Å,à[]A^Û,È,é-¼' O,Å,à,©,Û,ç,Û,¹,ñ) ,ÆfpfXf[]fh (fŠf,[]fg fAfNfZfX ft[]fo[] ,É"o" ^ ,ª,è,Ä,ç,éfpfXf[]fh,Æ,ì^Û,È,è,Û,·) ,l"ü—l,ð<[] ,ß,Û,·B

fzfLf...fŠfefB fzfXfg,Í,ÅfZfLf...fŠfefB<@"\,ª—LCEø,É,È,é'O,É[]ARAS ft[]fo[] ,æf,fff€,ð[]%oŠú%o» ,Å,« ,é,æ,æ ,É[]—,ª,è,Ä,ç,Û,·,é,ì,È,è,Û,¹,ñ[]B,Û,½[]ARAS ft[]fo[] ,Í,ÅfZfLf...fŠfefB fzfXfg,©,ç,lfZfLf...fŠfefB f'ffbfN,ðŽó,´,é,±,Æ,È,Í,ÅfZfLf...fŠfefB fzfXfg,ÉÚ'± ,ª,è,Ä,ç,é,fff€,ð'¼[]Ú'±%oŠú %o» ,Å,« ,Û,·,é,ì,È,è,Û,¹,ñ[]BfZfLf...fŠfefB fzfXfg,Í,ÅARAS ft[]fo[] ,æf,fff€,ð[]%oŠú%o» ,µ,æ,æ,Æ,·,é,Æ[]A,± ,l" ^ —,ðf'fCf,,f<fAfEfg,Æ,µ,Ä%oðŽß,·,é,±,Æ,ª, ,è,Û,·B

,Û,½[]AfzXfg,ì'É[]M" —x,Í,ÅZ" @ " @ÿ'è,Å,ì,È,Í,ÅCEÀ'è" —x (bps) ,ÄfzfbfgfAfbfv,µ,Ä, ,¾,ª,ç[]BCEÀ'è'l, l bps ,Í,Å,±,lfffofCfX,É'í%ož,·,é MODEM.INF ft[]fCf<,lfGf"fgš,ì **MAXCONNECTBPS** fp[] %o[]f^ ,l' ,Æ" ,l,É,µ,Û,·B

ft[]fh fp[]fB» ,lfZfLf...fŠfefB fffofCfX,ðfŠf,[]fg fAfNfZfX ft[]fX,Å—~p,·,é,É,Í

1 fŠf,[]fg fAfNfZfX ft[]fo[] ,lf,fff€,ª[]AMODEM.INF ft[]fCf<,lfZfLf...fŠfefB fzfXfg,lfZfNfVf" ,É<L[]q,ª,è,Ä,ç,é,fff€,Æ^Û,È,é[]è[] ,Í,ÅfŠf,[]fg fAfNfZfX ft[]fo[] ,l MODEM.INF ft[]fCf<,ðffXf^f}fCfY,µ[]AfZfLf...fŠfefB fzfXfg,ðfT[]fo[] ,lf,fff€,É[] ,l,¹,é•K—v,ª, ,è,Û,·B[]ufŠf,[]fg fAfNfZfX ft[]fo[] ,l MODEM.INF ,ðffXf^f}fCfY,·,é[]v,´,æ,Ñ[]ufZfLf...fŠfefB fzfXfg,ðfCf"Xfg[]f<,·,é[]v,ðŽQ[]Æ,µ,Ä, ,¾,ª,ç[]B

2 fŠf,[]fg ft[]fU[] ,Í,Åf^[]f~fif< f,[]fh,ðfAfNfefBfu,É,µ,ÄfZfLf...fŠfefB fzfXfg,Æ'í~b,µ,È,´,é,ì,È,è,Û,¹,ñ[]B[]ufNf%ofCfAf"fg,Åf^[]f~fif< f,[]fh,ðfAfNfefBfu,É,·,é[]v,ðŽQ[]Æ,µ,Ä, ,¾,ª,ç[]B

'[] Security Dynamics ,lfZfLf...fŠfefB fzfXfg,ðŽg,æ,É,Í,ÅARAS ,ÉŽg,æf,fff€,ð[]%oŠú %o» ,·,é,½,ß,É[]ASecurity Dynamics ,lfv[]f[]fCf_ ,ð'É,¶,ÄfRfNfNf^ ,ð 2 ,Ä,´<[] ,ß,ç,½,¾,•K—v,ª, ,è,Û,·B,» ,l[] ,Í,Åf'fCf,,f<fAfEfg flfVfVf" ,ª•K—v,ÉŽ|,ð,´" ,l, ,¾,ª,ç[]BfVf[]f[]fCf_ ,©,ç[]AAND f[][]fg,ÆfWfff"fp f{fbfNfX,ª'—•t,ª,è,Û,·BACM/400 ,lfZfLf...fŠfefB fzfXfg,ì[]è[] ,Í,Å•É,lf ffgfEfffA,ª'—•t,ª,è,Û,·B

fŠf,[]fg fAfNfZfX fT[]fo[], ì MODEM.INF ,ðffjXf^f}fCfY,·,é

fŠf,[]fg fAfNfZfX fT[]fo[],Æf,fff€,ìŠÖ,ÉfZfLf...fŠfefB fzfXfg,ð'g,Ý[]ž,b,Æ[]AfT[]fo[],ìf,fff€,ÆfZfLf...fŠfefB fzfXfg,í[]A[]V,μ,ç Ží—p,ìf,fff€,Æ,μ,Ä<α,É<@"\,μ,Ü,·[]BMODEM.INF ftf@fCf<,í[]A"Á'è,ìf,fff€,Æ'í,É,È,Á,Ä,ç ,éfTf[]fg'í[]Ü,ìfZfLf...fŠfefB fzfXfg,ì[]Ý'è,ðfef"fvf[]f[]fg,Æ,μ,Ä'ñ<ÿ,μ,Ü,· (,½,Æ,ì,ì[]AACM/400 ,í[]AAT&T@ Comsphere 3820 f,fff€,Æ'í,É,È,Á,Ä,ç,Ü,·)[]B

fZfLf...fŠfefB fzfXfg,ð•É,ìf,fff€,Æ<α,ÉŽg,α,É,í[]AMODEM.INF ftf@fCf<,ð[]C[]³,μ,È,·,é,ì,È,è,Ü,¹,ñ[]BMODEM.INF ftf@fCf<,ì[]Ú[]x,É,Á,ç,Ä,í[]A[]uMODEM.INF ,ð[]C[]³,·,é[]v,ðŽQ[]Æ,μ,Ä,,¾,¾,ç[]B

MODEM.INF ,ðffjXf^f}fCfY,·,é,É,í

- 1 MODEM.INF ftf@fCf<,ìfofbfNfAfbfv fRfs[][,ð[]i[]-,μ,Ü,·[]B
 - 2 fZfLf...fŠfefB fzfXfg,ìfZfNfVf#f" ,Á[]A_on f}fNf[]," ,æ,Ñ_off f}fNf[],ì,·,x,Ä,ì' (speaker_on=M1 ,È,Ç) ,ð[]AŽg—p,·,éf,fff€,ìfZfNfVf#f" ,Á[]Ý'è,¾,è,Ä,ç,é'l,É'u,«Š·,ì,Ü,·[]B
 - 3 fZfLf...fŠfefB fzfXfg,ìfZfNfVf#f" ,Á[]A,·,x,Ä,ì COMMAND_INIT= []s,ð[]AŽg—p,·,éf,fff€,ìfZfNfVf#f" ,É[]Ý'è,¾,è,Ä,ç,é COMMAND_INIT= []s,É'u,«Š·,ì,Ü,·[]B
- fZfLf...fŠfefB fzfXfg,ìfZfNfVf#f" ,É,í[]AŽg—p,·,éf,fff€,ìfZfNfVf#f" ,Æ"·,¶[]",ì COMMAND_INIT []s,¾,È,·,é,ì,È,è,Ü,¹,ñ[]BfZfLf...fŠfefB fzfXfg,ìfZfNfVf#f" ,Á[]A,» ,ì'¼,ì[]s,ð•í[]X,μ,È,ç,Ä,,¾,¾,ç[]B
- '[] LOOP= []s,í[]A,Ç,ìf,fff€,É,à•K—v,È[]s,Æ,ç,α,í,·,Á,í ,è,Ü,¹,ñ[]B,½,¾,μ[]A•s— v,Á ,é,Æšm[]M,Á,« ,È,ç[]é[]#,í[]AŽc,μ,Ä,,ç,Ä,,¾,¾,ç[]B

fZfLf...fŠfefB fzfXfg,đfCf“fXfg□[f<,.é

MODEM.INF ,lfZfLf...fŠfefB fzfXfg,lfZfNfVf#f“ ,đfjfXf^f}fCfY,μ,½,ç□AfRf“fgf□□[f< fpfif<,ì [flfbfgf□□[fN] ,đŽg,Á,Ä□AfZfLf...fŠfefB fzfXfg,Æf,fff€,đ RAS fT□[fo□[.ÉfCf“fXfg□[f<,μ,Ü,·□B

fZfLf...fŠfefB fffofCfX,đfCf“fXfg□[f<,.é,É,Í

- 1 fRf“fgf□□[f< fpfif<,ì [flfbfgf□□[fN] fAfCfRf“ ,đf_fuf<fNfŠfbfN,μ,Ü,·□B
- 2 [fT□[frfX] f^fu,Å□A[Šf,□[fg fAfNfZfX fT□[frfX] ,đ'í'đ,μ□A[fvf□pfefB] ,đfNfŠfbfN,μ,Ü,·□B
- 3 [fŠf,□[fg fAfNfZfX fZfbfgfAfbfv] f_fCfAf□fO f{fbfNfX,Å□AfŠf,□[fg fAfNfZfX fT□[fo□[.Æf,fff€,ìŠÔ,É□Ú'± ,³,ê,Ä,ç,éfZfLf...fŠfefB fffofCfX,đ'í'đ,μ□A[±□s] ,đfNfŠfbfN,μ,Ü,·□B
fn□[fhfEfFfA ftf□□[□§CEä,ªŠù'è,ì□Ý'è (fn□[fhfEfFfA ftf□□[□§CEä,ª—LCEø) ,©,ç•İ□X,³,ê,Ä,ç,È,ç,± ,Æ,đŠm“F,μ,Ä,³,³,ç□B
- 4 [flfbfgf□□[fN] f_fCfAf□fO f{fbfNfX,ì [OK] ,đfNfŠfbfN,μ,Ü,·□B
- 5 [,Í,ç] ,đfNfŠfbfN,μ,ÄfRf“fsf...□[f^,đ□Ä<N“@,μ,Ü,·□B

fNf%oCfAf“fg,Áf^[]f~fif< f,[]fh,ðfAfNfefBfu,É,·,é

fŠf,[]fg fAfNfZfX f^[]f~fif<,ðŽg,æ,Æ[]AfŠf,[]fg ft[]fU[][,Í[]AfZfLf...fŠfefB
fffofCfX,É[]³,μ,çfAfNfZfX“Ô[]t,È,Ç,ÌfAfNfZfX[]i•ñ,ð’—

[]M,Á,«,Ü,·[]BfAfNfZfX[]i•ñ,²[]³,μ,¯,é,Í[]A,»],Íft[]fU[][,ÍfŠf,[]fg fAfNfZfX ft[]fo[][,É[]Ú’±,³,é,Ü,·[]B

f^[]f~fif< f,[]fh,É[]‡,í,¹,ÄfNf%oCfAf“fg,ð[]€”ö,·,é,É,Í

1 f_fCf,,f<fAfbfv flfbfgf[]fN,ì“d~b’ ,Á[]A[]Ú’±[]æfGf“fgfŠ,ð’l’ð,μ,Ü,·[]B

2 [,>,ì¹/4] ,ðfNfŠfbfN,μ[]A[]fGf“fgfŠ,Æf,fff€,Ìfvf[]fpfefB,ì•Ô[]W] ,ðfNfŠfbfN,μ,Ü,·[]B

3 [fXfNfŠfvgf] f^f_u,Á[]A[]f^[]f~fif< fEfBf“fhfE,ðŠJ,] ,ð’l’ð,μ,Ü,·[]B

4 [OK] ,ðfNfŠfbfN,μ,Ü,·[]B

fŠf,[]fg fAfNfZfX ft[]fo[][,É[]Ú’±,·,é,É,Í

1 f_fCf,,f<fAfbfv flfbfgf[]fN,ì“d~b’ ,Á[]Af^[]f~fif< f,[]fh—p,É[]€”ö,μ,½fGf“fgfŠ,ð’l’ð,μ,Ü,·[]B

2 [f_fCf,,f<] ,ðfNfŠfbfN,μ,Ü,·[]B

%oæ—É,É•\Ž!,³,é,éŽwŽ!,É[][,Á,Ä[]Aft[]fU[][-¼,ÆfpfXf[]fh,ð“ü—Í,μ[]A[]OK] ,ðfNfŠfbfN,μ,Ü,·[]B

3 [f^[]f~fif<] ,²•\Ž!,³,é,½,ç[]AfZfLf...fŠfefB fzfXfg,É—v<[]³,é,éfAfNfZfX[]i•ñ,ð“ü—
Í,μ,Ü,·[]B,½,Æ,ì,Í[]ACEÁ[]Ž~•É”Ô[]t,ÆfZfLf...fŠfefB f[]fh,É•\Ž!,³,é,½”Ô[]t,ð“ü—Í,·,é,æ,æ,É—
v<[]³,é,½,è[]Aft[]fU[][-¼,ÆfpfXf[]fh,ð“ü—Í,·,é,æ,æ,É—v<[]³,é,½,è,μ,Ü,·[]B

4 fZfLf...fŠfefB fzfXfg,²”F[]Ø,É[]-CE÷,μ,½,±,Æ,ð’É’m,μ,Ä,«,½,ç[]A,·,®,É [Š®—¹]
,ðfNfŠfbfN,μ,Ü,·[]BZfLf...fŠfefB fzfXfg,©,ç,ì’É’m•ù-@,Í[]AfZfLf...fŠfefB
fzfXfg,²,Æ,É^Ü,É,è,Ü,·[]B,½,Æ,ì,Í[]A“OK” ,Æ•\Ž!,³,é,é[]é[]‡,à, ,é,Í[]Afj[]f\
f<,²ŽŸ,ì[]s,É[]i,p,¾,¯,ì[]é[]‡,à, ,è,Ü,·[]B

fŠf,[]fg fAfNfZfX ft[]fo[][,Á,ì”F[]Ø,²ŠJŽn,³,é,Ü,·[]B

fCEfWfXfgfŠ,đC³,·,é

fŠf, [fg fAfNfZfX fT [f r f X, đ f T [f o [, É f C f “ f X f g [f < , · , é , Æ [A f Z f b f g f A f b f v f v f [f O f % f € , É , æ , è [A **Remote Access** f L [, ² Windows NT , ì f C E f W f X f g f Š , É ‘ Ç % Á , ³ , è , Ü , · [B **Remote Access**

f L [, Æ , » , ì f T f u f L [, É , ì [A f Š f , [f g f A f N f Z f X , É “ Á — L , ì f p f % f [f ^ , ² Š Ü , Ü , è , Ü , · [B

fŠf, [fg fAfNfZfX, ì f Z f b f g f A f b f v f v f [f O f % f € , Í Windows NT , ì f C E f W f X f g f Š , É **Remote Access** f L [, đ ‘ Ç % Á , μ , Ü , · [B

^ è “ É , É [A f Š f , [f g f A f N f Z f X , Í RAS , ì f p f % f [f ^ , É “ K [Ø , È Š ù ‘ è ‘ l , đ [Y ‘ è , · , é , ì , Å [A ‘ Ê [í , ì [C [³ , · , é • K — v , ² , , è , Ü , ¹ , ñ [B f v f X f e f € , É , æ , Á , Ä , Ì [A “ Á ‘ è , ì f j [f Y , É [† , í , ¹ , Ä [A f p f % f [f ^ , đ C E Á • Ê , É ‘ ² [® , Å , « , Ü , · [B

, ç , , Å , © , ì f p f % f [f ^ , ì [W [† , đ C [³ , Ü , ½ , Í ‘ Ç % Á , Å , « , Ü , · [B , ±

, é , ç , ì Š ù ‘ è , ì [Y ‘ è , đ • Ì [X , · , é , É , Ì [A f C E f W f X f g f Š , Ì Š Y “ — , · , é f L [, đ C [³ , Ü , ½ , Í ‘ Ç % Á , μ , Ä , , ¾ , ³ , ç [B , ±

, é , ç , ì f L [, đ Š Ü , b f C E f W f X f g f Š f p f X , Ì [A Š e f p f % f [f ^ , đ [à — ¾ , · , é ‘ O , É Ž w Ž Ì , μ , Ü , · [B

fCEfWfXfgfŠ,đ•òW,·,é,É,Í

1 [f X f ^ [f g] f [f j f ... [, Ì [f t f [f C f < - ¼ , đ Ž w ‘ è , μ , Ä Ž À [s] , đ f N f Š f b f N , μ , Ü , · [B

2 [- ¼ ‘ O] f { f b f N f X , É [u r e g e d t 3 2 [v , Æ “ ü — Í , μ , Ü , · [B

, ± , ì f R f } f “ f h , Ì [A f R f } f “ f h f v f [f “ f v f g , © , ç Ž À [s , · , é , ± , Æ , à , Å , « , Ü , · [B

fCEfWfXfgfŠ, Å f L [, É f p f % f [f ^ , đ ‘ Ç % Á , · , é • û — @ , ì [Ú [× , É , Å , ç , Ä , Ì [A Windows NT fCEfWfXfgfŠ

f g f f f B f ^ , ì f f “ f % f C f “ f w f < f v , đ Ž Q [Æ , μ , Ä , , ¾ , ³ , ç [B

RemoteAccess fpf%o

,±,ê,ç,lfpf%o,îŠù'è'l,íA,·,x,Ä,ì Windows NT ,l'€i,Å\•a,É<@"\,μ,Ü,·B
,±,ê,ç,lfpf%o,íAŽŸ,ÉŽl,·fCfWfXfgfŠ fpfX,É, ,è,Ü,·B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RemoteAccess\Parameters

AuthenticateRetries REG_DWORD

"í'íF 0 10

"FØŽž,íÄ%o,ìŽŽs,ž,"s,μ,½ê±,ÉAŽ,"s,â<-,³,ê,éÄ'âÄŽŽs%oñ",ðŸ'è,μ,Ü,·B
Šù'è'lF 2.

AuthenticateTime REG_DWORD

"í'íF 20 600 •b

ft[fU[,³,é,í,É"FO,ðŽó,·,È,·,ê,î,È,ç,È,çŽžŠÔ,íäCÉA,ðA•b'P'É,ÄŸ'è,μ,Ü,·BfNf%oCfAf"fg,³,±
,ìŽžŠÔ"à,É"FOjvfjZfX,ðŠ@—¹,μ,É,·,ê,íA,»,lft[fU[,íØ'f,³,è,Ü,·B
Šù'è'lF 120 •b

AutoDisconnect REG_DWORD

"í'íF 0 1000 •a

fAfNfefBfu,Ä,È,çÚ'±
,³Ø'f,³,é,é,Ü,Ä,ìŽžŠÔ,ðŸ'è,μ,Ü,·BfAfNfefBfu,Ä,È,çŽžŠÔ,íAftf@fCf<,lfRfs[[AfIfbfgf[[fNŽ'CE¹,Ö,lf
AfNfZfX[A,·,æ,Ń"džqf<f<,ì—ŽóM,È,ÇANetBIOS fZfbvfj" ,lff[f^"J'—,³s,í,è,Ä,ç
,È,çŽžŠÔ,É,æ,Ä,ÄCE'³,è,Ü,·BfNf%oCfAf"fg,³ NetBIOS f[f^fOf%o€
fAfvfŠfP[fVfj" ,ðŽÀ's't,íê±,íA,±,lfpf%o,ð 0 •a,ÉŸ'è,Ä,«,Ü,·B,±,lfpf%o,ð 0
,ÉŸ'è,·,é,ÆAA**AutoDisconnect** ,afjft,É,È,è,Ü,·B
Šù'è'lF 20 •a

CallbackTime REG_DWORD

"í'íF 2 12 •b

fR[f<fofbfN<@"\,³Ÿ'è,³,è,Ä,ç,éê±AfNf
%oCfAf"fg,³fR[f<fofbfN,·,é'O,ÉT[fO[,³Ø<@,·,éŽžŠÔ,ðŸ'è,μ,Ü,·BŠefNf%oCfAf"fg,íAfŠf,[[fg
fAfNfZfX fT[fO[,ÉÚ'±,·,é,Æ,«,ÉA'ÆŽ<,lfR[f<fofbfNŽžŠÔ,ì'l,ð'ÉM,μ,Ü,·B,±,ì'l,íAfNf%oCfAf"fg
—p,ì Modem.inf ftf@fCf<,É"ü,Ä,Ä,ç,Ü,·B,±,ì'l,³ÉM,³,è,È,çê± (Ä,Ü,èAfNf
%oCfAf"fg,³fR[f<fofbfNŽžŠÔ,ì'l,ð'ÉM,μ,É,çê±BfŠf,[[fg fAfNfZfX Version 1.0 ,·,æ,Ń 1.1 ,lfNf
%oCfAf"fg,³,±,è,ÉŠY"—,μ,Ü,·) ,íA**CallbackTime** fpf%o,ì'l,³Žg,í,è,Ü,·B
Šù'è'lF 2 •b

EnableAudit REG_DWORD

"í'íF 0 1

fŠf,[[fg fAfNfZfX,ìŠÄ, <@"\,³fj" ,É,È,Ä,Ä,ç,é,©fjft,É,È,Ä,Ä,ç,é,©,ð"»•É,μ,Ü,·B,±,ì<@"\,³—
LCEØ,É,È,Ä,Ä,ç,é,ÆA,·,x,Ä,ìŠÄ,í Windows NT ,lfCxf"fg fO,É<L~^,³,è,Ü,·B,±
,è,ç,ìŠÄ,íAWindows NT ,lfCxf"fg frf...[fA,Ä•Žl,Ä,«,Ü,·B
Šù'è'lF 1 (—LCEØ)

NetbiosGatewayEnabled REG_DWORD

"í'íF 0 1

fT[fO[,ð NetBIOS fQ[[fgfEfffC,Æ" ,fl,æ,π,É<@"\,³,¹,ÄAfNf%oCfAf"fg,³ LAN ,ÉfAfNfZfX,Ä,«,é,æ,π
,É,μ,Ü,·B-³CEØ,É,È,Ä,Ä,ç,é,ÆAfŠf,[[fg fNf%oCfAf"fg,íAfŠf,[[fg fAfNfZfX
fT[fO[[ä,ìŽ'CE¹,É,μ,©fAfNfZfX,Ä,«,Ü,¹,ñBf_fCf,·f<fCf" fT[fU[,íAfIfbfgf[[fN,ðCE©,é,±

,Æ,ª,Å,«, , □Aflfbfgf□□[fNŽ'Æ¹,ÉfAfNfZfX,Å,«,Ü,¹,ñ□B,±,lfpf%of□□[f^,ð'¼□Ú□C□³,·,é,±
,Æ,Í,Å,«,Ü,¹,ñ□B,±,lfpf%of□□[f^,ð□C□³,·,é,Æ,«,Í□ARAS fZfbfgfAfbfv,ðŽg,Á,Ä,,¾,³,ç□B,±,ê,Í□ARAS
fZfbfgfAfbfv,ª□A,±,lfpf%of□□[f^,ì•İ□XŽž,ÉfofCf“fh,à□C□³,·,é,©,ç,Å,·□B
Šù'è'İ□F 1 (—LÆø)

NetbiosGateway fpf%of[]f^

,±,ê,ç,lfpf%of[]f^,íAŽŸ,ÉŽ!,.fCEfWfXfgfŠ fpfX,É, ,è,Ü,·B
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RemoteAccess\Parameters\NetbiosGateway

DisableMcastFwdWhenSessionTraffic REG_DWORD

"ííF 0 1

NetBIOS fZfbfVfj",lfgf%oftfBfbfN (,½,Æ,í,íAWindows NT fx[]fX,lfAfvfŠfP[]fVfj") ,ðAf}f<f'fLfffXfg
ff[]f^fOf%of€ (fT[]fo[] ffbfZ[]fW,È,Ç) ,æ,è,à-Dæ,³,è,é,æ,x,É,µ,Ü,·B,Â,Ü,èAf}f<f'fLfffXfg
ff[]f^fOf%of€,íAfZfbfVfj" fgf%oftfBfbfN,ª,È,ç[]é[]±,É,¾,~"J'—,³,è,Ü,·Bf}f<f'fLfffXfg ff[]f^fOf%of€
,É'È'¶,·,éAfvfŠfP[]fVfj",ðŽg,í,È,ç[]é[]±,íA,±,lfpf%of[]f^,ð-LCEø,É,µ,Ä,,ç,Ä,,¾,³,çB
Šù'è'íF 1 (-LCEø)

EnableBroadcast REG_DWORD

"ííF 0 1

fuf[]fhfLfffXfg ff[]f^fOf%of€,afŠf,[]fg fRf"fsf...[]f^,É"J'—,³,è,é,©,Ç,x,©,ð"»•É,µ,Ü,·B'½,-
,ìè±Afuf[]fhfLfffXfg ff[]f^fOf%of€,í-LCEø,Á,í,È,-
A'á'-fŠf"fnä,Á,í'N^æ·,ðA"i,µ,·,·,Ü,·Bfuf[]fhfLfffXfg ff[]f^fOf%of€
,É'È'¶,·,éAfvfŠfP[]fVfj",ðŽg,í,È,ç[]é[]±,íA,±,lfpf%of[]f^,ð-³CEø,É,µ,Ä,,ç,Ä,,¾,³,çB
Šù'è'íF 0 (-³CEø)

MultiCastForwardRate ,ì€ ,àŽQ[]Æ,µ,Ä,,¾,³,çB

EnableNetbiosSessionsAuditing REG_DWORD

"ííF 0 1

fŠf,[]fg fNf%ofCfAf"fg,Æ Windows NT fT[]fo[][ŠÔ,Á]s,í,è,é NetBIOS fZfbfVfj",ìŠm—
š,ÉŠÖ,µ,ÄAfŠf,[]fg fAfNfZfX,ìŠÄ, <@"\,ð-LCEø,Ü,½,í-³CEø,É,µ,Ü,·B,±,lfpf%of[]f^,ð-
LCEø,É,·,é,ÆAŠÇ—ŽÖ,í LAN ä,ÁfAfNfZfX,³,è,é NetBIOS Ž'CE¹,ð'ÇQÖ,µ,â,·,è,è,Ü,·B
Šù'è'íF 0 (-³CEø)

MaxBcastDgBuffered REG_DWORD

"ííF 16 255

fNf%ofCfAf"fg,lfQ[]fgfEfc,É,æ,èofbftf@,³,è,éfuf[]fhfLfffXfg ff[]f^fOf%of€
,ì",ðŸ'è,µ,Ü,·Bf}f<f'fLfffXfg ff[]f^fOf%of€,Ü,½,ífuf[]fhfLfffXfg ff[]f^fOf%of€
,ð'È,µ,Ä,í'í,É'ÉQM,ðs,xfAfvfŠfP[]fVfj",ðŽg,x[]é[]±,íAfŠf,[]fg fAfNfZfX fT[]fo[][ª,·,·,·,Ä,lf[]f^fOf
%of€,ðŠmŽA,É"zQM,Á,«,é,æ,x,ÉA,±,lfpf%of[]f^,ì',ð'á,«,µ,Ä,,¾,³,çB
Šù'è'íF 32.

MaxDgBufferedPerGroupName REG_DWORD

"ííF 1 255

fOf[]fv-¼,²,Æ,Éfobftf@,³,è,éff[]f^fOf%of€,ì",ðŸ'è,µ,Ü,·B,±,ì',ð'á,«,·,·,é,ÆAfOf[]fv-
¼,²,Æ,Éfobftf@,³,è,éff[]f^fOf%of€,ì",ª[],ì,Ü,·ªA,æ,è'½,ì%¼'zf[]fŠ,ðA"i,·,é,±,Æ,É,È,è,Ü,·B
Šù'è'íF 10

MaxDynMem REG_DWORD

"ííF 131072 4294967295

ŠefŠf,[]fg fNf%ofCfAf"fg,ì NetBIOS fZfbfVfj" ff[]f^,lfobftf@,ÉŽg,í,è,é%¼'zf[]fŠ,ì'S—e—
È,ðŸ'è,µ,Ü,·B

'[] fŠf,[]fg fAfNfZfX fT[]fo[][íA'á'-%ñü,Æ LAN ,Æ,ìŠÔ,lfQ[]fgfEfc,È,ì,ÁA,·-%ñü (LAN)

, ©, ç' ... □M, μ, ½ff□[f^, í□A'á'—%ñ□ü ("ñ"~Šú%ñ□ü), É"]'—, ³, è, é'O, É□A, » , íf□f, fŠ, ÉŠi" [, ³, è, Ü, ·
(fofbftf@, É"ü, è, ç, è, Ü, ·) □B

fŠf, □[fg fAfNfZfX fT□[fo□[, í□AfVfXfe€ , ì·" —□f□f, fŠ, Ìžg—p—É, ð□Á□—, É—}
, ì, é, ½, ß□AfY□[fW, Ì□Á□—□W□# (fNf%ofCfAf"fg, ², Æ, É—ñ 64K) , ¾, · , ðf□fbfN, μ□Aff□[f^ , Ìžc, è, Ì·"·ª, ð
%o¼'zf□f, fŠ (**MaxDynMem** ^É"à) , Éfofbftf@ , μ, Ü, ·□B

, μ, ½, ², Á, Ä□AfN□[fh fffBfXfN□ä, É Pagefile.Sys , ðŠg'£, Á, «, é, ¾, · , Ì—e—É, ², · , è, Ì□A, ±, Ìfpf
%of□□[f^ , Ì' , ð·K—v, É%ož, ¶, Á'á, «, · , Á, «, · , Ü, ·□B

fAfVfŠfP□[fVf#f" , ² LAN (□, '—) , Ì'—□M'x, Æ"ñ"~Šú ('á'—) , Ìžó□M'x, ðCE" , È, é□è□#□A, · , æ, Ñ'—□M'x
, ²—□M, · , éff□[f^ , ²¹/², · , —, ÁfŠf, □[fg fAfNfZfX fT□[fo□[, ² **MaxDynMem**
, Áfofbftf@ , É"ü, è, ç, è, È, ç□è□# , í□A—â'è, ²□¶ , ¶ , é, ±, Æ, ², · , è, Ü, · □BfŠf, □[fg fAfNfZfX fT□[fo□[, í□A' ...
□Mjff□[f^ , ð"ü, è, ç, è, é"ö"x, Ìfofbftf@—e—É, ²³/⁴, ç, è, è, Ü, Á□AfZfbfVf#f"□ä, Á Ncb.Receive , ð"-
□M, ¹, · , É□ANetBIOS , Ìftf□□[□\$CEä, ð"K—p, μ, æ, x, Æ, μ, Ü, · □B, μ, ½, ², Á, Ä□A, ±
, Ìží, ÌfAfVfŠfP□[fVf#f" , ðžg, x□è□# , í□AfŠf, □[fg fNf%ofCfAf"fg, É'á'—, ÁfŠf"fn, · , é, æ, x
, ÈžžŠÖ, ², ©, ©, é□è□# , Á, à, · , x, Á, Ìff□[f^ , ²""'—, ³, è, é, Ì, ð'Ò, Á, æ, x, É□A, » , ÌfAfVfŠfP□[fVf#f"
fT□[fo□[□ä, Ì NetBIOS SEND/RECEIVE , Ìf^fCf€fAfEfg, ð'á, «, · , μ, È, · , è, Ì, È, è, Ü, ¹, ñ□B

Šù'è'í□F 655350.

MaxNames REG_DWORD

"í'í□F 1 □` 255

ŠefNf%ofCfAf"fg, ²žg—p, Á, «, é^è^Ó, Ì NetBIOS -¼, Ì□" , ð□Y'è, μ, Ü, · □BNetBIOS -¼, í□AfNf
%ofCfAf"fg'S'ì, Á□#Ev 255 CEÁ, Ü, Á, Á, · □B

Šù'è'í□F 255

'□ Windows NT , ðžÁ□s, μ, Ä, ç, éfŠf, □[fg fNf%ofCfAf"fg, Á, í□A, » , è, ¼, è 7 CEÁ, Ü, ½, Ì 8 CEÁ, Ì NetBIOS -
¼, ²·K—v, È□è□# , ², è, Ü, · □B, ±, è, ç, ÌfRf"fsf...□[f^ , É'í%ož, · , é, É, í□A**MaxNames** , ²
^È□ä, È□Y'è, ³, è, Á, ç, é, ±, Æ, ðSm" F, μ, Ä, · , ¾, ³, ç□BWindows NT fNf%ofCfAf"fg, ©, çfo□[fWf#f" 1.1
^É'O, ÌfŠf, □[fg fAfNfZfX, ðžÁ□s, · , éfT□[fo□[, Éf_fCf, f_fCf" , · , é□è□# , í□A, ±, Ìfpf%of□□[f^ , ð 8
^È□ä, È□Y'è, μ, Ä, · , ¾, ³, ç□B

MaxSessions REG_DWORD

"í'í□F 1 □` 255

ŠefNf%ofCfAf"fg, ²~žž, É<N" @, Á, «, é NetBIOS fZfbfVf#f" , Ì□Á'á□" , ð□Y'è, μ, Ü, · □BNetBIOS
fZfbfVf#f" , í□AfNf%ofCfAf"fg'S'ì, Á□#Ev 255 , Ü, Á"~žž, É<N" @, Á, «, Ü, · □B·í□" , ÌfNf
%ofCfAf"fg, ð"~žž, È□Ú'±, μ□A, » , è, ¼, è 4 , Á, Ü, ½, Ì 5
, Á, ÌfZfbfVf#f" , ðžÁ□s, ¹, é□è□# , í□A□#EvfZfbfVf#f"□" , ² 255 , ð' , Ì, È, ç, æ, x, É□A, ±, Ìfpf
%of□□[f^ , Ì' , ð□—, ³, μ, Ü, · □B

Šù'è'í□F 255.

MultiCastForwardRate REG_DWORD

"í'í□F -1 (-³CEø)□A0 □` 32,767 · b

, · , x, Á, ÌfŠf, □[fg fRf"fsf...□[f^ , Ö, Ìfof<□[fv-¼ff□[f^fof%of€, Ìf}f<f' flfffXfg%o» , ð□\$CEä, μ, Ü, · □Bfof<□[fv-
¼, ÉŠÖ, μ, Á'—□M, ³, è, éff□[f^fof%of€, í□A, ±, Ìfpf%of□□[f^ , Ážw'è, μ, ½ŠÖŠu, Á"]'—, ³, è, é, ±
, Æ, É, æ, è□AftfBf<f^ , ², ©, · , ç, è, Ü, · □B

Šù'è'í□F 5

' , ð - 1 , È□Y'è, · , é, Æ□A"]'—<@" \ , ²-³CEø, É, È, è, Ü, · □B' , ð 0 , È□Y'è, · , é, Æ□AfOf<□[fv-¼ff□[f^fof%of€
, Ì"z□M, ²·Ü□ø, ³, è, Ü, · □B' , ð n , È□Y'è, · , é, Æ□Aff□[f^fof%of€, Ì n · b, ², Æ, É"]'—, ³, è, Ü, · □B, ±, Ìè□#□A1 □...
n □...32,767 , Á, · □B

EnableBroadcast fpf%of□□[f^ , ð 0 , È□Y'è, · , é, Æ□A**MultiCastForwardRate** fpf

MultiCastForwardRate, EnableBroadcast

REG_DWORD

NumRecvQueryIndications **REG_DWORD**

32

RcvDgSubmittedPerGroupName **REG_DWORD**

32

RemoteListen **REG_DWORD**

2

Index	Name	Value
0	RemoteListen	1
1	Server Messenger	1

—p,Å,«,é,æ,»	Ç) ,ð LAN
,É,μ,Û,·□B	fT□[fU□[,É'í,μ,Ä~—p %oÅ"\ ,É,Å,«,Û,·□BMessenge r fT□[fX,ðŽÀ□s,·,éfŠf,□ [fg fNf %oCfAf"fg,í□ALAN fT□[fU□[□AfvfŠf" f^ ,É, Ç,©,çf□fbfZ□[fW,ðŽó□ M,Å,«,Û,·□B
2 ,·,×,Ä,ìfŠf,□[f	,±,ì□Ý'è,É,æ,è□AfNf
g fNf	%oCfAf"fg□ã,ÅŽÀ□s't
%oCfAf"fg,ì	,ì NetBIOS
NetBIOS -	fAfvfŠfP□[fVf†f" ,í□ALA
¼,É,Å,ç	N
,Ä□ANCB.LIST	fAfvfŠfP□[fVf†f" ,É,æ,è
EN ,ð—	ŽÀ□s,³,è,½ NCB.CALL
LCEø,É,μ,Û,·□	fRf}f"fh,É
B	%ož"š,Å,«,é,æ,» ,É,È,è,Û,·□B

'□ **RemoteListen** fpf%of□□[f^ ,í□AŠù'è'l,ì 1 (f□fbfZ□[fW) ,É□Ý'è,·,é,ì,²□Á'P,ì•û-@,Å,·□B

fŠf,□[fg fNf%oCfAf"fg□ã,Å NCB.LISTEN <@"\,ð—LCEø,É,·,é,Æ□AfVfXfef€ fŠf\
□[fX,²'å•□,É□Á"i,³,è,é,±,Æ,², ,é,ì,Å□A,±,ì<@"\,ð—LCEø,É,·,é,ì,í,"Š©,β,Å,«,Û,¹,ñ□B**RemoteListen**
fpf%of□□[f^ ,ð 2 ,É□Ý'è,·,é,Æ□AfŠf,□[fg fAfNfZfX,ìfŠf,□[fg fAfNfZfX fNf%oCfAf"fg,ì,·,×,Ä,ì
NetBIOS -¼,É NCB.LISTEN ,ð'É'm,μ,Û,·□B•½<í"l,È Windows NT fNf%oCfAf"fg,É,í,·,æ,» 7
CEÅ,Û,½,í 8 CEÅ,ì NetBIOS -¼,²Š,,è"—,Ä,ç,è,Ä,ç,é,±,Æ,ð□l,ì,é,Æ□ANCB.LISTEN ,É,Å,ç
,Ä'É'm,³,è,é NetBIOS -¼,ì□±CEv□",í 7 ,Û,½,í 8 □~ 256 (fŠf,□[fg fAfNfZfX fT□[fo□["-,½,è,ì□Á'åfNf
%oCfAf"fg□") ,Æ,È,è,Û,·□B

SizWorkBufs REG_DWORD

"í'í□F 1024 □` 65536

□i<Æfobftf@,ìTfCfY,ð□Ý'è,μ,Û,·□BŠù'è'l,í□AfT□[fo□[f□fbfZ□[fW fuf□fbfN (SMB)
fvf□fgfRf<,É□±,í,¹,Ä□Å"K%o»,³,è,Ä,ç,Û,·□BSMB fvf□fgfRf<,í□AfNf%oCfAf"fg,Æ Windows NT Server
,ðŽÀ□s,·,éfT□[fo□[,ìŠÔ,ìfvf□fgfRf<,Å,·□B
Šù'è'l□F 4500

IP fpf%of[]f^

, ±, ê, ç, ì, j, p, f, %, o, f, [], f, ^, Á, Å, Ž, Ÿ, É, Ž, Ì, Ñ, Ç, F, W, f, X, f, g, f, Š, f, p, f, X, É, , è, Û, ·, □, B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RemoteAccess\Parameters\IP

WINNameServer REG_SZ

'I[]F IP fAfhf[][]fX

RAS fT[]f[]f[][, @, , , , é, é, é, é, WINS fT[]f[]f[][, É, æ, é, é, RAS fNf%ofCfAf"fg, Ö, Ì IP fAfhf[][]fX, Ì Ž, © " @ " I, È Š, , , è " -, Ä, ð-
³, Ç, ø, É, , , é, É, Í, □, ARAS fT[]f[]f[][, Ì, f, Ç, f, W, f, X, f, g, f, Š, Å, □, A, ±, Ì, j, p, f, %, o, f, [], f, ^, ð, ·, Ì, □, X, μ, Û, ·, □, B

, ±, Ì, j, p, f, %, o, f, [], f, ^, Ñ, Ç, F, W, f, X, f, g, f, Š, É, ·, Ž, Ì, , , é, é, é, Ì, □, ARAS fT[]f[]f[][, Ö, Ì, □, Ú, ±, Ñ, f, A, f, N, f, e, f, B, f, u, È, Æ, <, , ¾, , , Å, ·, □, B

WINNameServerBackup REG_SZ

'I[]F IP fAfhf[][]fX

RAS fT[]f[]f[][, @, , , , é, é, é, é, WINS fT[]f[]f[][, É, æ, é, é, RAS fNf%ofCfAf"fg, Ö, Ì IP fAfhf[][]fX, Ì Ž, © " @ " I, È Š, , , è " -, Ä, ð-
³, Ç, ø, É, , , é, É, Í, □, A, ±, Ì, j, p, f, %, o, f, [], f, ^, ð, RAS fT[]f[]f[][, Ì, f, Ç, f, W, f, X, f, g, f, Š, É, 'Ç, %, Á, μ, Û, ·, □, B

, ±, Ì, j, p, f, %, o, f, [], f, ^, Ñ, Ç, F, W, f, X, f, g, f, Š, É, ·, Ž, Ì, , , é, é, é, Ì, □, ARAS fT[]f[]f[][, Ö, Ì, □, Ú, ±, Ñ, f, A, f, N, f, e, f, B, f, u, È, Æ, <, , ¾, , , Å, ·, □, B

DNSNameServers REG_MULTI_SZ

'I[]F IP fAfhf[][]fX

RAS fT[]f[]f[][, @, , , , é, é, é, é, DNS fT[]f[]f[][, É, æ, é, é, RAS fNf%ofCfAf"fg, Ö, Ì IP fAfhf[][]fX, Ì Ž, © " @ " I, È Š, , , è " -, Ä, ð-
³, Ç, ø, É, , , é, É, Í, □, A, ±, Ì, j, p, f, %, o, f, [], f, ^, ð, RAS fT[]f[]f[][, Ì, f, Ç, f, W, f, X, f, g, f, Š, É, 'Ç, %, Á, μ, Û, ·, □, B

, ±, Ì, j, p, f, %, o, f, [], f, ^, Ñ, Ç, F, W, f, X, f, g, f, Š, É, ·, Ž, Ì, , , é, é, é, Ì, □, ARAS fT[]f[]f[][, Ö, Ì, □, Ú, ±, Ñ, f, A, f, N, f, e, f, B, f, u, È, Æ, <, , ¾, , , Å, ·, □, B

AsyncMac fpf%of[]f^

,±,ê,ç,lfpf%of[]f^,íAZÿ,ÉŽ!,.fCFWfXfgfŠ fpfX,É, ,è,Ü,·B
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\AsyncMacn\Parameters

MaxFrameSize **REG_DWORD**

"í'í[]F 576 []` 1514

Å'âftfCF[]f€ ftfcfY,ðCE^'è,μ,Ü,·BfmfCfY,ð''º,xfŠf"fN,É,í[]-,³,çftfCF[]f€,ðŽg,Á,Ä,-
,¾,³,ç[]B[]Ý'è,ð[]-,³,,.é,Æ[]AftfCF[]f€,²,Æ,É'—[]M,³,ê,éff[]f^[]",ª[].,È,,è[]AfpftfH[]f}f"X,ª'á
%ºº,μ,Ü,·B^È'O,lf[]fWf#f",lfŠf,[]fg fAfNfZfX ft[]fxfX,É,Ä,ç,Ä,í[]A,±,lfpf%of[]f^,ð'ï[]X,μ,È,ç,Á,-
,¾,³,ç[]B,±,ì'l,í[]AfT[]fo[][,Æ Windows NT ,lfNf%ofCfAf"fg,Æ,ìŠÔ,ÅflfSfVfG[]fVf#f",ª[]s,í,è,Ü,·B
Šù'è'í[]F 1514.

TimeoutBase **REG_DWORD**

"í'í[]F 500 []` 1000

Ú'±,ª[]Ø'f,³,è,é'O,É[]ANetBIOS fQ[]fjgfEjFfC[]ã,ÅCEº%ºB,,.éŽžŠÔ,ðCE^'è,μ,Ü,·BNetBIOS
fQ[]fjgfEjFfC,ìŽg—p,Å^ù[]í,É'½,,lf^fCf€fAfEfg fGf%º[][,ª[]¶,¶,éèè[]#,É (100KB ,ìŽó[]M,Å 10
%ºñ^È[]ã,lf^fCf€fAfEfg)[]AZg—p,μ,Ä,ç,éRf"fsf...[]f^,ÉfZfLf...fŠfefB fffofCfX,ª, ,é,©[]A,Ü,½,lf,fff€
,lfn[]fhfEjFfA^³[]k,Ü,½,lfGf%º[][]\$CEä<@"\,ª—LCEø,É,É,Ä,Ä,ç,é,Æ,«,í[]A**TimeoutBase** ,ì'l,ð 500 ,©,ç
1000 ,É'[],â,μ,Ü,·B
TimeoutBase ,ð 1000 ,É'[],â,·,Æ[]A,²,,Ü,è,Éflfbfgf[]fN,ì<@"\,ª^ù[]í,È"®[]ì,ð,·,é,±
,Æ,ª, ,è,Ü,·B,½,Æ,ì,í[]A1 %ºñ"ü—í,μ,½flfbfgf[]fN,lfRf}f"fh,ð[]A,³,ç,É,à,ª 1 %ºñ^È[]ã"ü—
í,μ,È,¯,é,î,È,ç,È,©,Á,½,è[]A,Ü,½,í<@"\,ªŽüŠú"l,É'x,,É,é,±,Æ,ª, ,è,Ü,·B
Šù'è'í[]F 500

NdisWan fpf%of[]f^

,±,lfpf%of[]f^,íAŽŸ,ÉŽ,·fCFWfXfgfŠ fpfX,É, ,è,Ü,·B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NdisWan\Parameters

NetworkAddress="xxxxxx" REG_SZ

'lF flfbfgf[]fN fAfhfCFX

6 fofCfg,ì IEEE fAfhfCFX,ìA%o,ì 4 fofCfg,ðÄŠ,,è“-,Ä,·,é,É,íA,±,lfpf%of[]f^,ð'Ç

%oÁ,μ,Ü,·B,½,Æ,ì,íAfhfCFX,ð "03-1F-2C-81-92-34" ,ÉY'è,·,é,ÆA%o,ì 4

fofCfg,¾,~,ªY'è,³,è,Ü,·BÁä,ì 2 fofCfg,íA[]fg,ð^ê^Ó,ÉŽ·Ê,·,é,½,ß,É—\-ñ,³,è,Ä,ç,Ü,·B,±,lfpf

%of[]f^,íA[]f^CE^,ª REG_SZ ,ì **NdisWanParameters** fl[],ÉY'è,μ,Ä,,¾,¾,çB

NwlnkRip fpf%of[]f^

,±,lfpf%of[]f^,íAŽŸ,ÉŽ!,fCefWfXfgfŠ fpfX,É, ,è,Ü,·B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NwlnkRip\Parameters

NetbiosRouting

REG_DWORD

"í^íF 0A2A4A,Ü,½,í 6

LAN ,Æ,ìŠÔ,ì IPX NetBIOS fuf[]fLfffXfg fpfPfbfg,ì"']—,ð\$CEä,μ,Ü,·BRAS fT[]fo[],íARAS fNf
%ofCfAf"fg,Æf[]fj< flfbfgf[]fN,ìŠÔ,Å NetBIOS fuf[]fLfffXfg fpfPfbfg (IPX f^fCfv 20) ,ð"']—
,Å,«,Ü,·B

,±,lfpf%of[]f^,ð 2 ,ÉŸ'è,·,é,ÆAfŠf,[]fg fNf%ofCfAf"fg,©,ç LAN ,Ö,ì NetBIOS fuf[]fLfffXfg
fpfPfbfg,ì"']—,ª—LCEø,É,È,è,Ü,·B

4 ,ÉŸ'è,·,é,ÆALAN ,©,çŠf,[]fg fNf%ofCfAf"fg,Ö,ì NetBIOS fuf[]fLfffXfg fpfPfbfg,ì"']—,ª—
LCEø,É,È,è,Ü,·B

6 ,ÉŸ'è,·,é,ÆAfŠf,[]fg fNf%ofCfAf"fg,Æ LAN ,ìŠÔ,Å—¼•ûCEü,ì NetBIOS fpfPfbfg,ì"']—,ª—
LCEø,É,È,è,Ü,·B

IPX NetBIOS fAfvfŠfP[]fVf#f",)[]\—,É,æ,Á,Ä,íA**DisableDialinNetbios** fCefWfXfgfŠ
fGf"fgfŠ,ðŸ'è,·,é•K—v,ª, ,éè[]#,à, ,è,Ü,·B[]Ú×,É,Ä,ç,Ä,íA[]uNwlnklpx fpf
%of[]f^[]v,ðŽQ[]Æ,μ,Ä,,¾,¾,ç[]B

Šù'è'íF 2

NwlnkIpx fpf%o[f^

,±,lfpf%o[f^,íAŽŸ,ÉŽ, fCfWfXfgfŠ fpfX,É, ,è,Ü,·B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\NwlnkIpx\Parameters

DisableDialinNetbios

REG_DWORD

"í^íF 0 3

fŠf, [fg RAS fNf%o[CfAf"fg, ",æ,Ñ LAN (RAS IPX f^f^ [,đŽg,Á,Ä) ,ÆAIPX NetBIOS fAfvfŠfP[fVf#f"
("à•",lfjfbfg) ,đŽÀs, ,é RAS fT[f^ [,Æ,İŠÖ,İ IPX f^fCfv 20 fpfPfbfg,ì"J'—,đ\$Eä,μ,Ü,·B,±,lfpf
%o[f^ ,íARAS fT[f^ [,ífCf, ,fCf"%"ñü,¼, ,đ\$Eä,μ,Ü,·B

,±,lfpf%o[f^ ,đ 0 ,ÉÝ'è, ,é,ÆAIPX f^fCfv 20 fpfPfbfg,íARAS fT[f^ [,©,çŠf, [fg fNf
%o[CfAf"fg,ÉA, ",æ,ÑfŠf, [fg fNf%o[CfAf"fg, ©,ç RAS fT[f^ [,Éfuf [fhfLfffXfg,³,è,Ü,·B,±
,ìê#AIPX f^fCfv 20 fpfPfbfg,íALAN ä,Åfuf [fhfLfffXfg, ,é,½,İ IPX f^f^ [(,±
,f^ [f^ [,íAIPX NetBIOS fpfPfbfg,đ"J'—, ,é,æ,x,É [,³,è,Ä,ç,éê#) ,đ
%oi,μ,Åfuf [fhfLfffXfg,³,è,Ü,·B

1 (Šù'è'l) ,ÉÝ'è, ,é,ÆAIPX f^fCfv 20 fpfPfbfg,íAfŠf, [fg fNf%o[CfAf"fg, ©,ç"à•",lfjfbfg, ",æ,Ñ RAS
IPX f^f^ [,Éfuf [fhfLfffXfg,³,è,é,¼, ,Ä,·B,±,ìÝ'è,íA"à•",lfjfbfg, ©,çŠf, [fg fNf
%o[CfAf"fg,Ö,lfuf [fhfLfffXfg,đ-³Eø,É,μ,Ü,·B

2 ,ÉÝ'è, ,é,ÆAIPX f^fCfv 20 fpfPfbfg,íA"à•",lfjfbfg, ©,çŠf, [fg fNf
%o[CfAf"fg,Éfuf [fhfLfffXfg,³,è,Ü,·B

3 ,ÉÝ'è, ,é,ÆAIPX f^fCfv 20 fpfPfbfg,lfuf [fhfLfffXfg,íA-³Eø,É,È,è,Ü,·B

Žg—p,μ,Ä,ç,é IPX NetBIOS fAfvfŠfP[fVf#f" ,ì [,É,æ,Á,Ä,íA**NetbiosRouting** fCfWfXfgfŠ
fGf"fgfŠ,đÝ'è, ,é•K—v,ª, ,éê#,à, ,è,Ü,·B [Ú×,É,Ä,ç,Ä,íA [uNwlnkRip fpf%o[f^
 [v,đŽQ [Æ,μ,Ä, ,¼,³,ç [B

Šù'è'lF 1

RasMan fpf%of[]f^

,±,ê,ç,lfpf%of[]f^,íAŽŸ,ÉŽ!,.fCEfWfXfgfŠ fpfX,É, ,è,Ü,·B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RasMan\Parameters

NumberOfRings REG_DWORD

"ííF 1 20 (,±,ì"ííŠO,ì'ì,ðŽw'è,·,é,ÆAŠù'è'l,žg,í,è,Ü,·)

RAS ,æĀ,Ńo,μ,É%ž"š,·,é,Ü,Ā,É•,f,fff€,©,ç,ì RING f[]bfZ[]fW,ì%ň" ,ðŽw'è,μ,Ü,·B,±,lfpf
%of[]f^,íAUNIMODEM fffofCfX,Ā,ì,Ÿ<@"\,μ,Ü,·B

Šù'è'íF 1

Logging REG_DWORD

"ííF 0 1

fRf}f"fh f,[]fh,Ās,í,è,évfšfAf< f[]fg,©,çvfšfAf< f[]fg,ÉÚ'±,μ,½ffofCfX,Ö,ì,·,x,Ā,ì'ÉM,É,Ā,ç
,Ā,lf[]fO,ðŽú[]W,·,é,æ,xŸ'è,μ,Ü,·B,±,lfpf%of[]f^,íAfVfšfAf< fffofCfX,ÉŠÖ,·,é-â'è,ì%ðCE^,Æ
Modem.Inf ftf@fCf<,Ü,½,Í Pad.Inf ftf@fCf<,É'Ç%Ā,μ,½V,μ,çfGf"fgfŠ,ðfefXfg,·,é,ì,É•Ö—,Ā,·B

,ç,,Ā,©,ìî•ň,í'óü%Ā"\,È•Ÿš,Ā,í,È,ç,ì,ĀA•Ÿš[]o—í,Æ 16 []i[]o—í,ì—¼•ù,ð•Ž!,·,é,±
,Æ,â,Ā,«,éfefLfXfg fGfffBf^,ĀADevice.log ftf@fCf<,ð•Ž!,·,é,±,Æ,ð,"Š©,ß,μ,Ü,·BDevice.log
ftf@fCf<,É,íAŠe[]s--,ÉfLfffšfbfW fšf^[]f",·,æ,Ńf%ofCf" ftfB[]fh,à, ,è,Ü,·BfLfffšfbfW
fšf^[]f",·,æ,Ńf%ofCf" ftfB[]fh,íADevice.log ftf@fCf<,ð[]-·,·,évf[]Of%of€,â'Ç
%Ā,μ,½,à,ì,Ā, ,èAfffofCfX,Æ,ìŠÖ,Ā[]s,í,è,½'ÉM,ìî•ň,ð•\,μ,Ā,ç,é,í,·,Ā,í, ,è,Ü,¹,ňB

,±,lfpf%of[]f^,ð 1 ,ÉŸ'è,·,é,ÆAfVfšfAf< f[]fg,©,çvfšfAf< f[]fg,ÉÚ'±
,μ,½ffofCfX,Ö,ì'ÉM,lf[]fO,â[]Asystemrootssystem32rasdevice.log ftf@fCf<,ÉŽú[]W,³,è,Ü,·B

f[]fO,ìŽú[]W,íAfšf,[]fg fffofCfX,Ö,ìÚ'±,â[]-CE÷,μAfff[]f^,ì" '—,â[]—¹,μ,ĀÚ'±
,â[]Ø'f,³,è,½CEă[]A^èŽž'âž~·,³,è,Ü,·Bf[]fO,ìŽú[]W,íV,μ,çÚ'±,âŠm—š,³,è,é,Æ,«,É[]ĀšJ,³,è[]Aftf@fCf<
ftf@fCfY,â,·,æ,» 100K ,ð' ,ì,é,Ü,Ā Device.log ftf@fCf<,É'Ç%Ā,³,è,Ü,·Bf[]fO,lf[]fO,lf[]fO,³,è,Ü,·BDevice.log
,ð' ,ì,é,ÆADevice.log ftf@fCf<,lf[]fO,â[]Áž,³,è,½CEă[]Af[]fO,ìŽú[]W,â[]ĀšJ,³,è,Ü,·BDevice.log
ftf@fCf<,lf[]fO,íA,·,x,Ā,ì RAS ,ì[]-v'f,ì'âž~CEă[]A'âž~,μ,½ RAS ,ì[]-v'f,ì,ç
,,è,©,â<N" @ ,·,é,Æ,«,É,à[]Áž,³,è,Ü,·B

Šù'è'íF 0

PPP fpf%of[]f^

,±,ê,ç,lfpf%of[]f^,í[]AZÿ,ÉŽ!,.fçfWfXfgfŠ fpfX,É, ,è,Ü,·[]B
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RasMan\PPP

MaxTerminate REG_DWORD

"í^í[]F 0 []`-³[]\$CEÀ
fsfA,ª%ž"š,·,é,±,Æ,ª,Å,«,È,ç,Æ%¼'è,·,é'O,É[]ATerminate-Ack ,ìžó[]M,È,μ,É'—[]M,³,ê,é Terminate-Request fpfPfbfg,ì[]",ð[]Ý'è,μ,Ü,·[]B
Šù'è'í[]F 2

MaxConfigure REG_DWORD

"í^í[]F 0 []`-³[]\$CEÀ
fsfA,ª%ž"š,·,é,±,Æ,ª,Å,«,È,ç,Æ%¼'è,·,é'O,É[]A—LCEø,È Configure-Ack[]AConfigure-Nak[]A,Ü,½,Í Configure-Reject ,ìžó[]M,È,μ,É'—[]M,³,ê,é Configure-Request fpfPfbfg,ì[]",ð[]Ý'è,μ,Ü,·[]B
Šù'è'í[]F 10

MaxFailure REG_DWORD

"í^í[]F 0 []`-³[]\$CEÀ
[][]-,ªŽù'©,μ,Å,ç,È,ç,Æ%¼'è,·,é'O,É[]AConfigure-Ack ,ì'—[]M,È,μ,É'—[]M,³,ê,é Configure-Nak fpfPfbfg,ì[]",ð[]Ý'è,μ,Ü,·[]B
Šù'è'í[]F 10

MaxReject REG_DWORD

"í^í[]F 0 []`-³[]\$CEÀ
PPP flfSfvfG[]lfvf#f",ªŽù'©,μ,È,ç,Æ%¼'è,·,é'O,É'—[]M,³,ê,é Config-Rejects ,ì[]",ð[]Ý'è,μ,Ü,·[]B
Šù'è'í[]F 5

RestartTimer REG_DWORD

"í^í[]F 0 []`-³[]\$CEÀ
Configure-Request fpfPfbfg, ,æ,Ñ Terminate-Request fpfPfbfg,ì""—,É—LCEø,ÈŽžŠÔ (•b) ,ð[]Ý'è,μ,Ü,·[]BRestart f^fCf},ì—LCEøŽžŠÔ,ª[]ø,ê,é,Æ[]Af^fCfEfAfEfg fCxf"fg[]A, ,æ,Ñ'í%ž,·,é Configure-Request fpfPfbfg,Ü,½,Í Terminate-Request fpfPfbfg,ì[]Ä""—,ìCE'^ö,É,È,è,Ü,·[]B
Šù'è'í[]F 3

NegotiateTime REG_DWORD

"í^í[]F 0 []`-³[]\$CEÀ
%ñ[]ü,ª[]ø'f,³,é,é'O,É PPP flfSfvfG[]lfvf#f",ªŽù'©,ð[]—CE±,·,é,½,β,É" F,β,ç,ê,½ŽžŠÔ (•b) ,ð[]Ý'è,μ,Ü,·[]B0 ,É[]Ý'è,·,é,Æ%ñ[]ü,í[]ø'f,³,é,Ü,¹,ñ[]B
Šù'è'í[]F 150

ForceEncryptedData REG_DWORD

"í^í[]F 0 []` 1
RAS fT[]fo[][]ä,Å,¾,~Žg,ç,Ü,·[]BfŠf,[]lfg fNf%ofCfAf"fg,Éff[]f^,ì^Ã[]+%»»,ðŽg,±,±,Æ,ð— v<[]μ,Ü,·[]BfNf%ofCfAf"fg,í[]AMS-CHAP fvf[]fgfRf< (Windows NT Version 3.5 ,æ,è"±"ü) ,ðfTfj []lfg,μ,Ä,ç,È, ,é,ì,È,è,Ü,¹,ñ[]BfNf%ofCfAf"fg,ª MS-CHAP fvf[]fgfRf<,ðfTfj[]lfg,μ,Ä,ç,È,ç,è[]# ,í[]A[]Ú'± ,íŽ©"®"l,É[]ø'f,³,é,Ü,·[]B,±,lfpf%of[]f^,ð 1 ,É[]Ý'è,·,é,Æ[]AfT[]fo[]l,íf[]f^,ì^Ã[]+%»»,ð—v<[]μ,Ü,¹,ñ[]B ,É[]Ý'è,·,é,Æff[]f^,ì^Ã[]+%»»,ð—v<[]μ,Ü,¹,ñ[]B

Šù'è'I□F 0

ForceEncryptedPassword **REG_DWORD**

"í'í□F 0 □` 2

RAS fT□[fo□[□ã,Å,¾,~Žg,ç,Ü,·□BfNf%ofCfAf"fg,l" F□□Ø,ð□s,æ,«,É CHAP (Challenge-Handshake Authentication Protocol□F Challenge fnf"fhfVfFfCfN" F□□Øfvf□fgfRf<) ,ðŽg,æ,±,Æ,ð□Y'è,µ,Ü,·□B,±,lfpf %of□□[f^,ð 0 ,É□Y'è,·,é,Æ□AfT□[fo□[,í□AfNfŠfA fefLfXfg,ðŠÜ,ß,Ä,Ç,lf□[f^,í^ Å□+%o»•úŽ®,Å,à<- %oÅ,µ,Ü,·□B1 ,É□Y'è,·,é,Æ□AfT□[fo□[,í□AfNfŠfA fefLfXfg^ÈŠÖ,ì,Ç,lf□[f^,í^ Å□+%o»•úŽ®,Å,à<- %oÅ,µ,Ü,·□B2 ,É□Y'è,·,é,Æ□AfT□[fo□[,í□AMS-CHAP ,ð—v<□,µ,Ü,·□B

Šù'è'I□F 2

Logging **REG_DWORD**

"í'í□F 0 □` 1

PPP fCxf"fg,l□fo,lžû□W,ð□Y'è,µ,Ü,·□B1 ,ð□Y'è,·,é,Æ□A,·,x,Ä,l PPP fCxf"fg,í systemrootssystem32rasppp.log ftf@fCf<,Éf□fO,ªžû□W,³,è,Ü,·□B,±,lfpf%of□□[f^,í PPP □Ú'±,ÉŠÖ,·,é- à'è,l%oðœ^,É•Ö—~ ,Å,·□B

Šù'è'I□F 0

DisableSoftwareCompression **REG_DWORD**

"í'í□F 0 □` 1

f\ftfgfEjFfA^³□k,ð—LCEø,Ü,½,í-³CEø,É,µ,Ü,·□B1 ,ð□Y'è,·,é,Æ□A\ftfgfEjFfA^³□k,ª-³CEø,É,È,è,Ü,·□B0 ,ð□Y'è,·,é,Æ□A\ftfgfEjFfA^³□k,ª—LCEø,É,È,è,Ü,·□B

Šù'è'I□F 0

DefaultCallbackDelay **REG_DWORD**

"í'í□F 0 □` 255

RAS fNf%ofCfAf"fg□ã,ÅŽg,Á,Ä□ARAS fT□[fo□[,lf,fff€,ÉfR□[f<fofbfN,·,é,Ü,Å,É'Ò,Å•b□",ðŽw'è,µ,Ü,·□B Šù'è'I□F 12 (fpf%of□□[f^,ªfCEfWfXfgfŠ,É'¶□Y,µ,È,ç□ê□#)

PPP ftfufL□□

,±,è,ç,lfpf%of□□[f^,í□APPP fL□[,lfTfufL□[,Å,·□B

CBCP **REG_EXPAND_SZ**

'I□F DLL fpfX

CBCP (Callback Control Protocol□F fR□[f<fofbfN□\$CEäfvf□fgfRf<) DLL ,ì□é□Š,ðŽw'è,µ,Ü,·□BCBCP ,lfŠf,□[fg fNf%ofCfAf"fg,ÆfR□[f<fofbfN□í•ñ,lfSfVfG□[fvf#",ð□s,ç,Ü,·□B□í,É•VŽ!,³,è,Ü,·□B

CHAP **REG_EXPAND_SZ**

'I□F DLL fpfX

CHAP (Crypto-Handshake Authentication Protocol□F Crypto fnf"fhfVfFfCfN" F□□Øfvf□fgfRf<) DLL ,ì□é□Š,ðŽw'è,µ,Ü,·□B□í,É•VŽ!,³,è,Ü,·□B

COMPCP **REG_EXPAND_SZ**

'I□F DLL fpfX

CCP (Compression Control Protocol□F ^³□k□\$CEäfvf□fgfRf<) DLL ,ì□é□Š,ðŽw'è,µ,Ü,·□BCCP ,lfŠf,□[fg fNf%ofCfAf"fg,Æ^³□k,lfSfVfG□[fvf#",ð□s,ç,Ü,·□B□í,É•VŽ!,³,è,Ü,·□B

IPCP **REG_EXPAND_SZ**

'I□F DLL fpfX

IPCP (Internet Protocol Control Protocol□F fCf" f^□[f\fbfg fvf□fgfRf<□\$CEäfvf□fgfRf<) DLL

,ìèŠ,žw'è,μ,Û,·BRAS ,^a TCP/IP ,žg,κ,æ,κ,É\~-,³,èATCP/IP ,^afCf"fxfg[f<,³,è,Ä,ç,éè±,É•\ Žì,³,è,Û,·B

,±,è,ç,ìpf%of[f^,ž IPCP fTfufL[^a,É'Ç%Á,Ä,«,Û,·B

AcceptVJCompression **REG_DWORD**

"í'íF 0 1

IPCP ,^a IPCP •W€fìfvfVf#f" 0x02 (Van Jacobson fwfbf_[]^ažó,~•t,~,È,ç,æ,κ,É,·,é,É,íA,±,ìpf %of[f^,ž'Ç%Á,μ,Û,·B,±,ìpf%of[f^,ž'Ç%Á,³,è,Ä,ç,È,çèè±A,Û,½,í 1 ,ÉÝ'è,³,è,Ä,ç ,éèè±ARAS fNf%ofCfAf"fg,í Van Jacobson ^^ažk,žó,~•t,~,Û,·B

Šù'è'íF fCfWfXfgfŠ,É,í,È,ç

PriorityBasedOnSubNetwork **REG_DWORD**

"í'íF 0 1

fRf"fsf...[f^,íAflfbfgf[]fN f[]fh,Æ RAS Ò'±,žg,Ä,ÄALAN ,É'±,Ä,«,Û,·BRAS Ò'±,Æ LAN flfbfgf[]fN fAf_fvf^ f[]fh,É"~,ìflfbfgf[]fN"Ô±,ÄfAhfCfX,^aŠ,,è"-,Ä,ç,èAìfŠf,[]fg flfbfgf[]fN"ä,ìffHf-fg fQ[]fgfEfFfC,žg,κ) f'fFbfNf{fbfNfX,^aìf"~,ìèè±A,±,ì 2 ,Ä,ìfAhfCfX,^a"~,ìflfbfgf[]fN"à,ì^Û,È,éfTfufìfbfgf[]fN,É, ,Ä,Ä,àA,·,x,Ä,ìpfPfbfg,í RAS Ò'±,ž %òì,μ,Ä'-M,³,è,Û,·B

,±,ìpf%of[f^,ž 1 ,ÉÝ'è,·,é,ÆAflfbfgf[]fN f[]fh,žCo-R,μ,ÄpfPfbfg,ž'-M,μ,Û,·B ,½,Æ,ì,íAflfbfgf[]fN fAf_fvf^ f[]fh,ì IP fAhfCfX,^a 10.1.1.1 (fTfufìfbfg f}fXfN,^a 255.255.0.0), ÄARAS Ò'±,ÉŠ,,è"-,Ä,ç,è,Ä,ç,éfAhfCfX,^a 10.2.1.1 ,ìèè±ARAS ,íARAS Ò'±,žg,Ä,Ä,·,x,Ä,ì 10.x.x.x fpfPfbfg,ž'-M,μ,Û,·B,±,ìpf%of[f^,ž 1 ,ÉÝ'è,·,é,ÆARAS ,í 10.2.x.x fpfPfbfg,ž RAS Ò'±,ÉA10.1.x.x fpfPfbfg,žflfbfgf[]fN fAf_fvf^ f[]fh,É'-M,μ,Û,·B

Šù'è'íF fCfWfXfgfŠ,É,í,È,ç

RequestNameServerAddresses **REG_DWORD**

"í'íF 0 1

IPCP ,^aAWINS fT[]fo[],",æ,Ñ DNS fT[]fo[],ìfAhfCfX,ìfìSfvfG[]fvf#f",ì,½,ß,ì Microsoft Šg'£fìfvfVf#f" (IPCP fìfvfVf#f" 0x81[]A0x82[]A0x83[]A,~,æ,Ñ 0x84),ž-v,μ,È,ç,æ,κ,É,·,é,É,íARAS fNf%ofCfAf"fg,Ä,±,ìpf%of[f^,ž'Ç%Á,μ,Û,·B,±,ìpf%of[f^,ž'Ç%Á,³,è,Ä,ç,È,çèè±A,Û,½,í 1 ,ÉÝ'è,³,è,Ä,ç,éèè±AfNf%ofCfAf"fg'κ,ìfAhfCfX,ž-v,μ,Û,·B

Šù'è'íF fCfWfXfgfŠ,É,í,È,ç

RequestVJCompression **REG_DWORD**

"í'íF 0 1

IPCP ,^a IPCP •W€fìfvfVf#f" 0x02 (Van Jacobson fwfbf_[]^ažó,~•t,~,È,ç,æ,κ,É,·,é,É,íARAS fNf %ofCfAf"fg,Ä,±,ìpf%of[f^,ž'Ç%Á,μ,Û,·B,±,ìpf%of[f^,ž'Ç%Á,³,è,Ä,ç,È,çèè±A,Û,½,í 1 ,ÉÝ'è,³,è,Ä,ç,éèè±ARAS fNf%ofCfAf"fg,í Van Jacobson ^^ažk,žó,~•t,~,Û,·B

Šù'è'íF fCfWfXfgfŠ,É,í,È,ç

IPXCP **REG_EXPAND_SZ**

'íF DLL fpx

IPXCP (Internetwork Packet Exchange Control Protocol[]fCf"f^[]flfbfg fpfPfbfgCèŠ-[]\$Cèäfv[]fgfRf<) DLL ,ìèèŠ,žw'è,μ,Û,·BRAS ,^a IPX ,žg,κ,æ,κ,É\~-,³,èANetWare fNf%ofCfAf"fg fT[]frfX,Û,½,í NetWare fQ[]fgfEfFfC fT[]frfX,^afCf"fxfg[f<,³,è,Ä,ç,éèè±,É•\ Žì,³,è,Û,·B

NBFCP **REG_EXPAND_SZ**

'íF DLL fpx

Rdr fpf%of[]f^

,±,lfpf%of[]f^,íAZŽ,ÉŽ,·fCFWfXfgfŠ fpfX,É, ,è,Ü,·B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Rdr\Parameters

RawloTimeLimit REG_DWORD

"í^íF %o<LŽQ/Æ

,±,lfpf%of[]f^,í NetBIOS fQ[]fgfEfc,žŽg,±Ü,ì[]- ,É,¼, -Žg,ç,Ü,·B

ff[]f^,đ 64KB ,lfuf[]bfN^P^Ê,Á'—M,·,é,æ,±,ÉfŠf_fCfNf^,đ[]'è,μ,Ü,·B **RawloTimeLimit**
,đf[]f^,É,·,é,Æ[]AfXf[]fvbfg,í 10 ,©,ç 15 []"μ,Ü,·B"-Žž,É"[]Y,μ,Ä,ç,é,Ü,©,ì,·,x,Ä,lf[]f^"-
,íA,±,ì'-"x,Ä'ÉM,·,é,Æfuf[]bfN,³,è,Ü,·B

,±,lfpf
%of[]f^,íASù'è,ì[]Y'è,Ä,íA'á'-fŠf"fN,Ä,íf[]f^,É,È,è[]A, '-fŠf"fN,Ä,íf[]f^,É,È,è,Ü,·B,½,Æ,ì,íA14,400
bps ,Ü,½,í,»,è^È%o,ì'-"x,Ä'ÉM,μ,Ä,ç,é[]ê[]+[]A,±,ì<@"\,íf[]f^,É,È,è,Ü,·BISDN %oñ[]ü,ì,æ,±
,É, '-ÉM,ìê[]+[]A,±,ì<@"\,íf[]f^,É,È,è,Ü,·B

ŽY,ì^è—,í ISDN []Ú'±,É'í,μ,Ä Raw I/O ,af[]f^,Ü,½,íf[]f^,·,é,ì,ª,Ç,ì,æ,±,É'l,©,žŽ,ì,μ,Ü,·B

RawloTimeLimit ,đ 9 ,É[]Y'è

Raw I/O ,í 64K ,lf`ffff[]f< 1 ,Ä,ðCo—R,μ,Ä[]Ú'±,μ,½,Æ,«,Éf[]f^,É,È,è,Ü,·B
Raw I/O ,í 64K ,lf`ffff[]f< 2 ,Ä,ðCo—R,μ,Ä[]Ú'±,μ,½,Æ,«,Éf[]f^,É,È,è,Ü,·B

RawloTimeLimit ,đ 5 ,É[]Y'è (Šù'è'l)

Raw I/O ,í 64K ,lf`ffff[]f< 1 ,Ä,ðCo—R,μ,Ä[]Ú'±,μ,½,Æ,«,Éf[]f^,É,È,è,Ü,·B
Raw I/O ,í 64K ,lf`ffff[]f< 2 ,Ä,ðCo—R,μ,Ä[]Ú'±,μ,½,Æ,«,Éf[]f^,É,È,è,Ü,·B

RawloTimeLimit ,đ 0 ,É[]Y'è

Raw I/O ,í 64K ,lf`ffff[]f< 1 ,Ä,ðCo—R,μ,Ä[]Ú'±,μ,½,Æ,«,Éf[]f^,É,È,è,Ü,·B
Raw I/O ,í 64K ,lf`ffff[]f< 2 ,Ä,ðCo—R,μ,Ä[]Ú'±,μ,½,Æ,«,Éf[]f^,É,È,è,Ü,·B

RasArp fpf%of[]f^

,±,lfpf%of[]f^,íAŽŸ,ÉŽ!,fCfWfXfgfŠ fpfX,É, ,è,Ü,·B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\RasArp\Parameters

FilterBroadcasts

REG_DWORD

"í^í[]F 0 []` 1

RAS ,Éfuf[][]fhfLfffXfg fpfPfbfg (,½,Æ,í,í[]A, ,Ä[]æfAfhfCfX,ª 255.255.255.255) ,",æ,Ñftfuflfbbfg
f}f·f`fLfffXfg (,½,Æ,í,í[]A, ,Ä[]æfAfhfCfX,ª 11.101.255.255) ,ð""´—,³,¹,é,É,í[]A,±,lfpf%of[]f^,ð'Ç
%oÁ,µ,Ü,·BfRf""fsf...[]f^,ª[]Afuf[][]fhfLfffXfg/f}f·f`fLfffXfg""J'—,ðTf|[][]fg,·,éT[][]fh
fp[][]fefB»»,lfŠf,[][]fg fAfNfZfX f<[]f^[] (Windows NT fŠf,[][]fg fAfNfZfX
fT[][]fo[][],í[]Afuf[][]fhfLfffXfg,Ü,½,í}f·f`fLfffXfg,ð""´—,µ,Ü,¹,ñ) ,ðCÉÄ,Ñ[]o,·[]è[]‡,í[]AfNf%ofCfAf""fg,Ä,±
,lfpf%of[]f^,ð 0 ,É[]Ÿ'è,µ,Ü,·B

Šù'è'[]F 1.

Nbf fpf%of[]f^

,±,lfpf%of[]f^,íAZŽŸ,ÉŽ!,fCefWfXfgfŠ fpfX,É, ,è,Ü,·B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
\Nbf\Parameters

InitUIFrames REG_DWORD

"í^íF 0 []`-³[]\$CEÀ

RAS fNf%ofCfAf"fg,©,çfjfbfgf[]fN,É"~Žž,É'Ç%oÁ,Á,«,é NetBIOS -¼,ì",ðY'è,·,é,É,íA,±,lfpf
%of[]f^,ð'Ç%oÁ,μ,Ü,·B

Šù'è'íF 5.

fCf“f^[]flfbfg fZfbvfjf“ ,l—á

Windows NT f_fCf,,f<fAfbfv flfbfgf[]fN,ð[]ATCP/IP[]Af,ffe€,Ü,½,Í,»,ì¼,ì WAN
[]Ú'±[]A,“,æ,Ñ^è”Ê,É“üŽè,Á,«,éfCf“f^[]flfbfg fuf%oEfU,âfCf“f^[]flfbfg fc[]f<,Æ[]±,í,¹,ÄŽg,α
,Æ[]AfCf“f^[]flfbfg fT[]fo[]l,É[]Ú'±,μ,ÄfCf“f^[]flfbfg[]ă,ì,³,Ü,´,Ü,È[]î•ñ,âfT[]lfrfX,ðfuf%oEfY,Á,«,Ü,·[]B
,Ü,½[]AWindows NT Server ,ðŽÀ[]s,·,éfRf“fsf...[]f^,í[]AfCf“f^[]flfbfg fT[]lfrfX fvf[]fofCf_ ,ð—~—p,·,é,±
,Æ,É,æ,è[]A[]Á`â 256 ,ìfŠf,[]fjg fNf%oCfAf“fg,ÉfCf“f^[]flfbfg,Ö,ìfAfNfZfX,ð`ñ<ÿ,Á,«,Ü,·[]B

fCf“f^[]flfbfg,É,í[]Af_fCf,,f<fAfbfv flfbfgf[]fN,ðŽg,Á,ÄfCf“f^[]flfbfg fT[]lfrfX fvf[]fofCf_ ,ð%î,μ,Ä[]Ú'±
,μ,Ü,·[]B[]Ú'±,³,è,½,ç[]AfCf“f^[]flfbfg fuf%oEfU,ðŽg,Á,Ä[]î•ñ,ðCEÿ[]ð,Á,«,Ü,·[]B,±,±,Á,í[]AWindows
NT[]ATCP/IP[]Af_fCf,,f<fAfbfv flfbfgf[]fN[]A,“,æ,Ñ”C^Ó,ìfCf“f^[]flfbfg fuf%oEfU,ðfCf“fXfg[]f<,μ[]A\
[]~,μ,Ä, ,é,±,Æ,ð`O`ñ,Æ,μ,Ä,ç,Ü,·[]B

fZfbvfjfj“ ,ðŠŽn,·,é,É,í[]Af}fC fRf“fsf...[]f^,©,çf_fCf,,f<fAfbfv flfbfgf[]fN,ð<N“® ,μ,Ü,·[]BŽg—
p,·,éfCf“f^[]flfbfg fT[]lfrfX fvf[]fofCf_ ,ì“d~b`fGf“fgjŠ,ð`l`ð,μ[]A[f_fCf,,f<] ,ðfNfŠfbfN,μ,Ü,·[]B

f_fCf,,f<fAfbfv flfbfgf[]fN,É,æ,Á,Ä[]AfCf“f^[]flfbfg fT[]lfrfX fvf[]fofCf_ ,Éf_fCf,,f<,³,è[]Afvf[]fofCf_ ,ìfVfXfef€
,Éf[]fofif“ ,³,è,Ü,·[]BŽÀ[]Ú,ìf[]fofif“Žè[]±,í[]A[]Ú'±[]æ,ìfT[]lfrfX fvf[]fofCf_ ,l—
v[]E[],É,æ,Á,Ä^Ù,È,è,Ü,·[]B`É[]í[]APPP []Ú'±,íŠ`S,ÉŽ`@“®“l,É[]s,í,è,Ü,·[]BSLIP []Ú'±,Á,ìf^[]f~fif<
f[]fofif“ ,²•K—v,É,È,é[]è[]±,à, ,è,Ü,·[]Bf^[]f~fif< f[]fofif“ ,í[]ASWITCH.INF ftf@fCf<,ìfXfNfŠfvg,É,æ,èŽ`@“®
%o»,Á,«,é[]è[]±,ÆŽ`@“®%o»,Á,«,È,ç[]è[]±,², ,è,Ü,·[]BfCf“f^[]flfbfg fT[]lfrfX fvf[]fofCf_ ,Ö,ì[]Ú'±
,“,æ,Ñf[]fofif“ ,²³[]í,ÉŠ`@—¹,μ,½,ç[]Af_fCf,,f<fAfbfv flfbfgf[]fN,ìfEfBf“fhfE,ð[]Á[]~%o»,Á,«,Ü,·[]B

fCf“f^[]flfbfg,É[]Ú'±,³,è,é,Æ[]A“C^Ó,ìfCf“f^[]flfbfg fc[]f<,ðŽg—p,Á,«,Ü,·[]BfCf“f^[]flfbfg,ì—~—p,ð[]l—
¹,μ,½,ç[]A•s—v,È—~—p—z<à,²,©,©,ç,È,ç,æ,α,É[]A,·,®,ÉfCf“f^[]flfbfg fT[]lfrfX fvf[]fofCf_ ,Æ,ì[]Ú'±
,ð[]Ø`f,μ,Ä,,¾,³,ç[]B

fCf“f^[]flfbfg fNf%ofCfAf“fg,Æ,μ,Ä Windows NT ,đŽg,±

- f_fCf,,f:fAfbfv flfbfgf[][]fN,đŽg,±,Æ[]AŠÈ'P,ÉfCf“f^[]flfbfg,É[]Ú'± ,Ä,«,Ü,·[]BfCf“f^[]flfbfg,ÖfAfNfZfX,·,é,½,β,É•K—v,È[][]—v'f,ÍŽÿ,ì,Æ,“,è,Ä,·[]B
- f_fCf,,f:fAfbfv flfbfgf[][]fN,lfCf“f^[]flfbfg—p“d~b' fGf“fgfŠ,ÄŽg—p,Ä,«,é,æ,±,ÉfCf“fXfg[]f<,³,é,½ TCP/IP fv[]fgfRf<[]B
- fRf“fsf...[]f^,ÉfCf“fXfg[]f<,³,é,½f_fCf,,f:fAfbfv flfbfgf[][]fN[]BŠé<Æ“à,lfhf[]fCf“,É'®,μ,Ä,ç ,é[]è[]±,í[]AfŠf,[]fg fAfNfZfX,ì<-%oÄ,đŽ,Áft[]fU[][fAf]fEj“fg,à•K—v,Ä,·[]B
- f,fff€,Ü,½,ì,»,ì¼,ì WAN ,É,æ,éfcf“f^[]flfbfg fT[]fRfX fv[]fofCf_,Ö,ì[]Ú'±[]B
- fCf“f^[]flfbfg fT[]fRfX fv[]fofCf_,©,çŽæ“¾,μ,½fAf]fEj“fg[]B
- fuf%ofEfU[]AFTP[]ATelnet ,É,Ç,lfCf“f^[]flfbfg fc[]f<[]B

TCP/IP ,Æf_fCf,,f:fAfbfv flfbfgf[][]fN

TCP/IP ,í[]AfCf“f^[]flfbfg,ì,·,x,Ä,lfgf%oftfBfbfN,ÄŽg,í,é,éfv[]fgfRf<ÆQ,Ä,·[]BWindows NT ,ì TCP/IP ,í[]AfCf“f^[]flfbfg,ÄŽg,±,½,β,ìCEÝŠ-[]«,đŠ@'S,É“ö,ì,Ä,ç,Ü,·[]Bf_fCf,,f:fAfbfv flfbfgf[][]fN fNf %ofCfAf“fg,í[]APPP fv[]fgfRf<,Æ SLIP fv[]fgfRf<,ì—¼•Ü,đTf[]f[]fg,μ,Ä,ç,Ü,·[]B,± ,é,ç,lfv[]fgfRf<,í[]A,Ü,Æ,ñ,Ç,lfCf“f^[]flfbfg fT[]fRfX fv[]fofCf_,É,æ,Ä,ÄŽg,í,é,Ä,“,è[]AWindows NT fNf %ofCfAf“fg,í[]AZÄŽž“l,É,·,x,Ä,lfCf“f^[]flfbfg fv[]fofCf_,Æ[]Ú'±,Ä,«,Ü,·[]B

f,fff€,Æ WAN []Ú'±

fCf“f^[]flfbfg fT[]fRfX fv[]fofCf_,Æ,ì[]Ú'±,É,í[]Af,fff€,Æ“d~b%oñ[]ü[]AISDN fj[]f[]h,Æ ISDN %oñ[]ü[]AX.25 flfbfgf[][]fN[]A,Ü,½,í PPTP (Point-to-Point Tunneling Protocol[]f lfCf“fg fc[][lfCf“fg fg]fŠf“fO fv[]fgfRf<),ì,ç,·,è,©,ªŽg,í,é,Ü,·[]B

f,fff€,đŽg,±[]è[]±,í[]Af_fEj“f[][]f[]h,ìŽžŠÖ,đ'Z[]k,·,é,½,β,É[]A,Ä,«,é,¾,“,ç'É[]M'—“x,đ'ì'ð,μ,Ä,- ,¾,³,ç[]B9600bps ^É[]ä,lf,fff€,đŽg,±,±,Æ,ð,“Š©,β,μ,Ü,·[]Bf,fff€,â,»,ì¼,ì WAN []Ú'±,ì[]Ü[]x,É,Ä,ç ,Ä,í[]A[]uWAN flfv[]fv[]f[]v,đŽQ[]Æ,μ,Ä,,¾,³,ç[]B

fT[]fRfX fv[]fofCf_,©.cfCf“f^[]flfbfg fAf]fEj“fg,đŽæ“¾,·,é

fCf“f^[]flfbfg fT[]fRfX fv[]fofCf_,í[]A[]çŠE't,É'¶[]Ý,μ,Ü,·[]B,Ü,©,lfif“f%ofCf“ fT[]fRfX,àCEfŽ'Ä,ì[]è[]±,Æ“~ ,¶,æ,±,É[]AfT[]fRfX“Ö[]t,Éf_fCf,,f,μ[]AfŠf,[]fg fv[]XfefÉ ,Éf[]fofCf“ ,μ,Ü,·[]B[]Ú'±,³,é,½,ç[]AfCf“f^[]flfbfg,“,æ,Ñ,»,ì¼,lfT[]fRfX (fT[]fRfX fv[]fofCf_,ªñ·ÿ,·,é“dŽq[][]f<,É,Ç) ,ÉfAfNfZfX,Ä,«,é,æ,±,É,è,Ü,·[]B'É[]í,í[]A,Ç,ì[]±—pfCf“f^[]flfbfg fT[]fRfX fv[]fofCf_,à—~—p—z<à,ª,©,©,è,Ü,·[]B

fCf“f^[]flfbfg fc[]f<

fCf“f^[]flfbfg[]ä,ì[]í•ñ,âfT[]fRfX,Ö,lfAfNfZfX,É—~—p,Ä,«,éfc[]f<,ì¼[]“, ,è,Ü,·[]BŽg—p,·,éfc[]f<,í[]A•K— v,Æ,·,é[]í•ñ,ìŽí—b,â[]A,»,ì[]í•ñ,lfCf“f^[]flfbfg[]ä,Ä,ì•Ü'¶[]ü—@,É,æ,Ä,Ä^Ü,É,è,Ü,·[]B

Windows NT ,ì TCP/IP ,É,í[]AfCf“f^[]flfbfg fT[]fo[][,ÖfAfNfZfX,·,é,½,β,ì•W[]éfc[]f<,Æ,μ,Ä[]AFTP ,Æ TELNET ,ì 2 ,Ä,ª•t'®,μ,Ä,ç,Ü,·[]BFTP ,í[]AFTP fT[]fo[][,É[]Ú'±,μ,Äftf@fCf<,đ'j'—,Ä,«,éfcf“f“fhf%ofCf“ ft[]f[]efBšf[]efB,Ä,·[]BTELNET ,í[]AfŠf,[]fg fRf“fsf...[]f^,Éf[]fofCf“ ,μ[]A,»,lfRf“fsf...[]f^,lfL[]f[]f[]f[]h,©,ç“ü —í,·,é,ì,Æ“~ ,¶,æ,±,ÉfRf}f“fh,đ“ü—í,Ä,«,éfof%oftfBfj[]f fAfvfŠfP[]fVf[]f“,Ä,·[]B

,±,ì,Ü,©,É,à[]AfCf“f^[]flfbfg fc[]f<,É,í[]AfCf“f^[]flfbfg,©,ç“üŽè,Ä,«,éfc[]f<,à'É[]í,lf<[]fg,Ä[]w“ü,Ä,«,éŽs“lf<[]f<,ª¼[]“, ,è,Ü,·[]BFTP ,â TELNET ,ì<Kšì,ª[][]—,³,é,½CEä,à[]AfCf“f^[]flfbfg,ì<Z[]p,í[]í•à,μ,Ä,ç,Ü,·[]BfCf“f^[]flfbfg,đ,,Ü,É,- 'T[]ð,μ[]A[]Ä[]V,ì<@“\,ð—~—p,·,é,É,í[]A[]V,μ,·É,lfCf“f^[]flfbfg fuf%ofEfU,đ“üŽè,·,é•K— v,ª, ,è,Ü,·[]BpfufŠf[]fN fhf[]fCf“,lfCf“f^[]flfbfg fuf%ofEfU (,“,æ,Ñ,»,ì¼,ì Windows Sockets fAfvfŠfP[]fVf[]f“) ,đ“üŽè,Ä,«,é FTP fTfCf,Æ,μ,Ä,í[]Asunsite.unc.edu ,Æ ftp.cica.indiana.edu ,ì 2 ,Ä,ª—L¼,Ä,·[]B

fCf“f^[]flfbfg fAfNfZfX—p,ì Windows NT f\ftfgEjFfA,ðfCf“fXfg[]f<,·,é

,±,±,Ä,íAfCf“f^[]flfbfg,ÉfAfNfZfX,·,é,½,ß,ì TCP/IP ,Æf_fCf,,f<fAfbfv flfbfgf[]fN (RAS) ,lfCf“fXfg[]f<·ú-
@,·,æ,Ñ[]-·ú-@,É,Ä,ç,Äà-¾,µ,Ü,·BfCf“f^[]flfbfg,ÉfAfNfZfX,·,é,É,íATCP/IP
,í·K,·fCf“fXfg[]f<,µ,È,·,è,í,È,è,Ü,¹,ñBfCf“f^[]flfbfg,Ö,lfAfNfZfX,ð'ñ<ÿ,·,éRf“fsf...[]f^,²f[]ffj< fGfSfA
flfbfgf[]fNä,É,È,çê±,íAf_fCf,,f<fAfbfv flfbfgf[]fN,àfCf“fXfg[]f<,µ,È,·,è,í,È,è,Ü,¹,ñ (,±
,lfwf<fv,lf_fCf,,f<fAfbfv flfbfgf[]fN,ðfCf“fXfg[]f<,µ,È,·,è,lfCf“fXfg[]f<,³,è,É,ç,ì,ÄA,±,lfRf“fsf...
[]f^,É,íSù,Éf_fCf,,f<fAfbfv flfbfgf[]fN,lfCf“fXfg[]f<,³,è,Ä,ç,é,í,·,Ä,·)[]B

TCP/IP ,Æf_fCf,,f<fAfbfv flfbfgf[]fN,lfCf“fXfg[]f<,·,æ,Ñ[]-¹,²S@-¹,µ,½,çAWindows NT fGfNfXfv[]f
%,ðŽg,Ä,ÄfRf“fsf...[]f^ä,ì,ç,iffBfCfNfgfS,²<α-LffBfCfNfgfS,É,È,Ä,Ä,ç
,é,©,ð²,×,Ü,·BfCf“f^[]flfbfg fT[]frfX fvf[]ofCf_,É,æ,Ä,Ä,íAfCf“f^[]flfbfg,ÆU±
,µ,½,Æ,«,ÉAfRf“fsf...[]f^ä,ì<α-LŽ¹,²,Ü,©,lfSf,[]fg fRf“fsf...[]f^,©,ç-~
p,Ä,«,éê±,à,·,è,Ü,·BfSf,[]fg fRf“fsf...[]f^,©,çŽg,í,è,Ä,í,ç,éŽ¹,íA<α-L,ð'ž-·,·,é,©A<α-L,í[]
[]-·,ð·íX,µ,Ä,·,¾,¾,ç[]B

TCP/IP

TCP/IP ,íAfCf“f^[]flfbfg,ðŽg,α,·,×,Ä,lfRf“fsf...[]f^ä,ÄŽg,í,è,éfv[]fgfRf< fZfbfg,Ä,·BTCP/IP
,ðfCf“fXfg[]f<,É,íAfRf“fgf[]f< fpflf<,ì [flfbfgf[]fN] ,ðŽg,ç,Ü,·B[fv[]fgfRf<] f^fu,ì [‘Ç%Á]
,ðNfSfbfN,µAZŽ,É [TCP/IP fvf[]fgfRf<] ,ð'íð,µ,Ü,·B%æ-É,É·Žì,³,è,éŽwŽì,É[]],Ä,ÄATCP/IP
,ðfCf“fXfg[]f<,µ,Ä,·,¾,¾,ç[]B

TCP/IP ,lfCf“fXfg[]f<S@-¹CæAfCf“f^[]flfbfg,Ä,ì€[]],ð³[]í,É[]s,α,É,íAZŽ,lfpf%[]f^,ì[]-¹,²·K-
v,Æ,É,éê±,²,·,è,Ü,·B

IP fAfhfCfX

flfbfgf[]fN,Ä DHCP (Dynamic Host Configuration Protocol [“@“lfzfXfg[]-fvf[]fgfRf<] ,²Žg,í,è,Ä,ç
,éê±,íAf[]fj< flfbfgf[]fN^ÈŠO,ÄŽg,α,½,ß,ì-LCø,É IP fAfhfCfX,ÆfTfufjfbfg
f}fXfN,ðAfjfbfgf[]fN,ì DHCP fT[]fo[], ©,çŽæ“¾,·,é,©,ç,α,©,ðŽw'è,µ,È,·,è,í,È,è,Ü,¹,ñBDHCP
fT[]fo[], ©,çŽæ“¾,µ,È,çê±,íADHCP ,ðŽg,α[]-¹,ð-³Cø,É,µA'Á'è,ì IP fAfhfCfX,ÆfTfufjfbfg
f}fXfN,ðŽg,í,È,·,è,í,È,è,Ü,¹,ñB

ffftfHf<fg fQ[]fgfEjFfC

RAS ,ð%oi,µ,ÄfCf“f^[]flfbfg fT[]fo[],ÉU±,µ,Ä,ç,éê±,íARAS ,ð%oi,µ,Ä[]-¹,³,è,½ffftfHf<fg
fQ[]fgfEjFfC,²Žg,í,è,Ü,·B

DNS

Žg—p,µ,Ä,ç,éRf“fsf...[]f^,Ä,ì DNS (Domain Name System [f hf[]fCf“ f[]f€ fVXfef€] ,ì[]
[]-¹,²Af[]ffj< flfbfgf[]fN,É'í,µ,Ä,ì,Ý-LCø,É,È,Ä,Ä,ç,éê±,²,·,è,Ü,·BCEø-ì,æ,-
fCf“f^[]flfbfg,ÉfAfNfZfX,·,é,É,íADNS fAfhfCfX,ì'Ç%Á,²·K-v,Éê±,à,·,è,Ü,·B

HOSTS ftf@fCf<,Ü,½,í LMHOSTS ftf@fCf<

HOST ftf@fCf<,Ü,½,í LMHOST ftf@fCf<,ÉfGf“fgfS,ð'Ç%Á,·,é,±
,Æ,É,æ,èAfCf“f^[]flfbfgä,ì·p”É,ÉfAfNfZfX,·,éT[]fo[],Æ,íU±,ìCø-ì,ðä,°,é,±
,Æ,²,Ä,«,·,·BWindows NT ,ì-¾'O%ðC^,Ä,íAfCf“f^[]flfbfgä,ì DNS fT[]fo[],É-à,ç±,í,¹,é'O,ÉA,±
,è,ç,lf[]ffj< ftf@fCf<,²²,×,ç,è,Ü,·B

f_fCf,,f<fAfbfv flfbfgf[]fN (RAS)

f_fCf,,f<fAfbfv flfbfgf[]fN,íAfSf,[]fg,lfCf“f^[]flfbfg fT[]frfX fvf[]ofCf_,ð~—p,·,é,½,ß,lf
ftfgEjFfA,Ä,·Bf_fCf,,f<fAfbfv flfbfgf[]fN,ðfCf“fXfg[]f<,·,é,É,íAfRf“fgf[]f< fpflf<,ì [flfbfgf[]fN] ,ðŽg,ç
,Ü,·B[fT[]frfX] f^fu,ì [‘Ç%Á] ,ðNfSfbfN,µAZŽ,É [fSf,[]fg fAfNfZfX fT[]frfX] ,ð'íð,µ,Ü,·B%æ-É,É·
Žì,³,è,éŽwŽì,É[]],Ä,ÄAf_fCf,,f<fAfbfv flfbfgf[]fN,ðfCf“fXfg[]f<,µ,Ä,·,¾,¾,ç[]Bf_fCf,,f<fAfbfv
flfbfgf[]fN,ðfCf“fXfg[]f<,·,éŽè±,ìU×,É,Ä,ç,Ä,íA[]uf_fCf,,f<fAfbfv flfbfgf[]fN (RAS)

.đfCf“fXfg□[f<.,.é□v,đŽQ□Æ,μ,Ä,,¾,¾,¾,¾□B

fRf“fgf□□[f< fpf|f<,ì [flfbfgf□□[fN] ,đŽg,Á,Ä□Af_fCf,,f<fAfbfv
flfbfgf□□[fN,đfCf“fXfg□[f<.,.é,Æ,«□A,Ü,½,½,fCf“fXfg□[f<Š®—¹CEă,É□AZŸ,ìfpf%□□□[f^,ì□□□,ª•K—
v,Æ,È,é□é□‡,ª, ,è,Ü,·□B,Ü,½□A□ufCf“f^□[flfbfg_fAfNfZfX.ÉŽg,xfŠf.□[fg_fAfNfZfX_fGf“fgfŠ,đ□
□□,.,.é□v,ì□à~¾,É□],Á,Ä□Af_fCf,,f<fAfbfv flfbfgf□□[fN,ìCEÁ•É,ìfGf“fgfŠ,đ□□□□,μ,È, ,è,ì,È,è,Ü,¹,ñ□B

f|□[fg,ì□□□

fCf“f^□[flfbfg fT□[frfX fv□□f□fCf_Æ,ì□Ú'±,ÉŽg,xf□□[fg,í□A[fl_fCf,,f<fAfEfg,ì,Ý] ,Ü,½,í [f_fCf,,f<fAfEfg,Æ'...
□M] ,É□□□□,¾,é,Ä,ç,È, ,è,ì,È,è,Ü,¹,ñ□B

flfbfgf□□[fN,ì□□□

[flfbfgf□□[fN,ì□□□□] f_fCfAf□fO f{fbfNfX,ì [f_fCf,,f< fAfEfg fv□□fgfRf<] ,ì [TCP/IP] f`fFfbfN
f{fbfNfX,í□Af|f“É,μ,Ä,, ,©,È, ,è,ì,È,è,Ü,¹,ñ□B

fT[]fo[][, ©, ç^³[]k,³,ê,Ä,ç,È,çCE`Ž®,Å“üŽè,Å,«,Ü,·[]B

“üŽè,μ,½fvf[]Of%of€,ìftf@fCf<,ð^³[]k%ð[]œ,μ,½,ç[]Areadme ftf@fCf<,ðŠJ,ç,Ä[]Afvf[]Of%of€
,ìfCf“fXfg[]f<,â[]\[]→,ÉŠÖ,·,éî•ñ,ð“Ç,Ý[]A,»,ìŽwŽ!,É[]],Á,Ä,,¾,¾,ç[]BWindows 3.1 —
p,É[]ÝCEv,³,ê,½pfufŠfbfN fhf[]fCf“ fvtfgfEfffA,ì,Ü,Æ,ñ,Ç,í[]A%½,à•ì[]X,ð%Á,!,É,,Ä,à Windows NT
[]ä,Å³[]í,ÉŽÄ[]s,Å,«,Ü,·[]B

fCf“fXfg[]f<,Æ[]\[]→,ð[]l,!,½,ç[]AWindows NT ,ìffXfNfgfbfv,©,çfCf“f^[]f[]fbfg fc[]f<,ð<N“®,Ä,«,é,æ,π
,É,È,è,Ü,·[]B

Windows NT ,Ä,ìfCf“f^[]f[]fbfg fc[]f<,ìŽg—p—á,É,Ä,ç,Ä,í[]A[]ufCf“f^[]f[]fbfg fZfbfVf#f“,ì—
á[]v,ðŽQ[]Æ,μ,Ä,,¾,¾,ç[]B

fCf" f^ [flfbfg fT [frfX fvf ofCf_ ,i' ½, ,Á, í AfNfŠfA fefLfXfg, đŽg, í, È, ¯, ê, î, È, è, Û, ¹, ñ B" F Ø • û-
@, ², í, ©, ç, È, ç, ê, í, A [fNfŠfA fefLfXfg, đŠÛ, P" C^ Ó, ì" F Ø, đŽó, ¯ • t, ¯, é] , đ' ð, µ, Ä, , ¾, ³, ç B

4 fzLj...fŠfefB, ì Ý' è, đ' ð, µ, ½, ç A [OK] , đfNfŠfbfN, µ, Û, · B

' [fNfŠfA fefLfXfg, đŠÛ, P" C^ Ó, ì" F Ø, đŽó, ¯ • t, ¯, é] , đfNfŠfbfN, , é ê, í, A fT [frfX
fvf ofCf_ , Ò, ì f ofOfj" Ž è, ¯, , æ, Ñ • K—v, ÈfRf} f" fh, à, í, ©, Á, Ä, ç, È, ¯, ê, î, È, è, Û, ¹, ñ B
fCf" f^ [flfbfg fT [frfX fvf ofCf_ , ì f ofOfj" Ž è, ¯, , K Ø, É' è < ` , ³, ê, ½, à, ì, Á, , ê, í A • K—
v, ÈfRf} f" fh, đf ofOfj" Žž, Éž © " ® " I, ÉŽ A s, , é XfNfŠfvg, đ Switch.inf ftj @fCf<, É ì ñ—, Á, «, Û, · B \
systemroot\System32\RAS\Switch.inf ftj @fCf<, É XfNfŠfvg
fZfNfVf}f", đ ì ñ—, , é, Æ A ì ñ—, µ, ½ XfNfŠfvg, đ [fXfNfŠfvg] f^ fu, Á' ð, Á, «, Û, · B f ofOfj"
fXfNfŠfvg, ì ñ ñ— • û—@, ì Ú ×, É, Á, ç, Ä, í A u, » , ì' ¼, ì f f ofCfX frf} f" fh ftj @fCf< (.INF)
, đŽg, ² v, đŽQ Æ, µ, Ä, , ¾, ³, ç B

Windows NT Server ,đfCf“f^[]flfbfg fAfNfZfX,ì'ñ<ÿ,ÉŽg,α

f<[]f^[][,ÆfCf“f^[]flfbfg fT[]lfrfX fvf[]fofCf_,đ'g,ÿ[]#,í,¹,Ä—~—p,·,é,Æ[]AWindows NT Server ,í[]AfŠf,[]f_g fNf%ofCfAf“fg,É,Æ,Á,ÄfCf“f^[]flfbfg,Ö,ìfQ[]lfgfEfffC,Æ,μ,Ä<@“\,μ,Û,·[]B[]Á'â 256 ,ìfNf %ofCfAf“fg,³[]A^ê“É,ì“d~b%oñ[]ü[]AISDN %oñ[]ü[]AX.25[]APPTP ,ì,ç,·,ê,©,đŽg,Á,Ä RAS fT[]fo[][,Éf_jCf,,f<fCf“,Á,«,Ü,·[]BfNf%ofCfAf“fg,í[]APPP ,É[]€' ,μ,½“C^Ó,ìfftfgfEfffA,Û,½,í Windows NT fRf“fsf...[]f^,đ[]AfCf“f^[]flfbfg fuf%ofEfu,Æ,ç,Á,μ,â,ÉŽg,Á,Ä[]AfCf“f^[]flfbfg,ÉfAfNfZfX,μ,Û,·[]B

fCf“f^[]flfbfg[]Ú'±

'É[]í,í[]Af[]f[]f[]U[][,ìftfCf_g,ÆfCf“f^[]flfbfg,Æ,ì[]Ú'±,í[]Af[]f[]b[]f[]g[]f[]f[]N[]ä,ìf<[]f^[][],Ö,ì[]ê—p%oñ[]ü,đ %oì,μ,Ä[]Ú'±,³,ê,Û,·[]Bff[]f^,í[]AfCf“f^[]flfbfg[]Af<[]f^[][],Ö,ì[]ê—p%oñ[]ü[]Af<[]f^[][]Af[]f[]f[]f< flfbfgf[]fN[]A,“ ,æ,Ñ RAS fT[]fo[][,đ%oì,μ,Ä[]A[]ÄCEä,ÉfŠf,[]f_g fNf%ofCfAf“fg,É“]—,³,ê,Û,·[]B

fCf“f^[]flfbfg fAfNfZfX,đ[]s,α,½,β,ì•W[]€“i,È—v[]€[]

Windows NT Server ,đŽg,Á,ÄfCf“f^[]flfbfg fAfNfZfX,đ'ñ<ÿ,·,éfvfXfef€,ì•W[]€“i,È— v[]€[],ìŽÿ,ì,Æ,“ ,è,À,·[]B

- fCf“f^[]flfbfg fT[]lfrfX fvf[]fofCf_,Æf[]f[]f< flfbfgf[]fN[]ä,ìf<[]f^[][],đ[]Ú'±,·,é[]ê—p%oñ[]ü ('É[]MŽ-<ÆŽÖ,É,æ,è'ñ<ÿ,³,ê,Û,·)[]B
 - f[]f[]f[]f< flfbfgf[]fN[]ä,ìf<[]f^[][]B
 - f[]f[]f[]f< fGfŠfA flfbfgf[]fN[]BfZfLf...fŠfefB,đŠm•Û,·,é,½,β[]A,±,ìf[]f[]f[]f< fGfŠfA flfbfgf[]fN,í[]Af[]fCf“,ìf[]f[]b[]f[]g[]f[]fN,©,ç•ª—£,³,ê,Ä,ç,½,è[]A,Û,½,í^ê“É,É "ftf@fCfAfEfH[]f<" ,ÆCEÁ,ì,ê,é“Á•É,ÉfZfLf...fŠfefB'í[]đ,³[]s,í,ê,Ä,ç,é[]ê[]±,ª ,è,Û,·[]B
 - TCP/IP ,“ ,æ,Ñ RAS ,áfCf“fXfg[]f<,³,ê,½ Windows NT Server ,đŽÄ[]s,·,éRf“fsf...[]f^[]B
 - ;i[]“,ìfŠf,[]f_g fNf%ofCfAf“fg,Æ,ì[]Ú'±,đftf[]f[]f<,·,é,½,β,ì RAS fT[]fo[][]ä,ìf}f<f`f[]f_g fVfŠfAf< fAf_fvf^[]B
 - []ê—p'É[]Mfn[]f[]hfEfffA (ISDN fAf_fvf^,Û,½,í X.25 fAf_fvf^)[]B
 - f[]f[]f[]f< fGfŠfA flfbfgf[]fN[]ä,ì DHCP fT[]fo[][,đ%oì,μ,ÄŠ,,,è“- ,Ä,ç,ê,½,©[]A,Û,½,í RAS fT[]fo[][,đ %oì,μ,Ä[]Á“i,ÉS,,,è“- ,Ä,ç,ê,½—LCEø,ÉfCf“f^[]flfbfg IP fAfhf[]E[]fX[]B
 - DNS (Domain Name System[]F fhf[]fCf““ f[]f[]f[]€ fVfXfef€) fT[]fo[][,ì IP fAfhf[]E[]fX[]BDNS fT[]fo[][,í[]Af[]f[]f[]f< fGfŠfA flfbfgf[]fN[]ä,É ,é[]ê[]±,Æ[]AfCf“f^[]flfbfg[]ä,É ,é[]ê[]±,ª ,è,Û,·[]B
- Ú[]x,É,Ä,ç,Á,í[]A[]ufCf“f^[]flfbfg fAfNfZfX,đ'ñ<ÿ,·,é,½,β,ì Windows NT fftfgfEfffA,đfCf“fXfg[]f<,μ[] []-,·,é[]v,đŽQ[]Æ,μ,Ä,,¾,³,ç[]B

fCf" f^ [flfbfg fAfNfZfX, đ'ň<Ÿ, ., é, ½, B, i Windows NT fftfgfEjFfA, đfCf" fXfg [f<, μ [- , ., é

fCf" f^ [flfbfg fAfNfZfX, đ'ň<Ÿ, ., é, É, í [ATCP/IP, Æ RAS, đfCf" fXfg [f<, μ, È, , é, í, È, è, Û, ¹, ñ (, ±, lfwf<fv, í RAS, Æ, Æ, à, ÉfCf" fXfg [f<, ³, é, é, í, Å [A, ±, lfRf" fsf... [f^, É, Í Š, È RAS, lfCf" fXfg [f<, ³, é, Å, ç, é, í, , Å, .) [B

TCP/IP

TCP/IP, í [AfCf" f^ [flfbfg, ÉfAfNfZfX, ., é, ., x, Å, lfRf" fsf... [f^, Å Žg, í, é, éfv [fgfRf<CEQ, Å, . [BTCP/IP, đfCf" fXfg [f<, ., é, É, í [AfRf" fg [f< fpf [f<, í [flfbfg [fN], đ Žg, ç, Û, . [BTCP/IP, í [Ú [x, É, Å, ç, Å, í [AWindows NT, í [wflfbfg [fN fKfCh [x, đ ŽQ [Æ, μ, Å, , ¾, ³, ç [B

TCP/IP, lfCf" fXfg [f< Š @ — ¹ CE ä [AfCf" f^ [flfbfg, Ö, lfAfNfZfX, đ'ň<Ÿ, ., é, É, í [AZŽ, lfpf% [f^, í [- , a • K — v, Æ, È, é [é [š, a, , è, Û, . [B

IP fAfhfCEfX

flfbfg [fN, Å DHCP (Dynamic Host Configuration Protocol [" @ " lfzfXfg [- fvf [fgfRf<), đ Žg, Å, Å, ç, é [é [š, í [Af [f] ffbfg [fN^ È ŠO, Å Žg, x, ½, B, í — LCEø, È IP fAfhfCEfX, Æ fTfu flfbfg f) fXfN, đ [Af flfbfg [fN, í DHCP fT [fo [[, ©, ç Žæ "¾, ., é, ©, Ç, x, ©, đ Žw'è, μ, È, , é, í, È, è, Û, ¹, ñ [BIP fAfhfCEfX, Æ fTfu flfbfg f) fXfN, đ flfbfg [fN, í DHCP fT [fo [[, ©, ç Žæ "¾, μ, È, ç [é [š, í [ADHCP, đ Žg, x [- , đ - ³ CEø, È, μ [A — LCEø, È IP fAfhfCEfX, í [Å " lf v [f<, Å RAS, đ [- , μ, È, , é, í, È, è, Û, ¹, ñ [B

ffftfHf<fg fQ [fgfEjFfC

flfbfg [fN ä, í [AfCf" f^ [flfbfg, Ö, lfAfNfZfX, É Žg, x [f^ [[, í IP fAfhfCEfX, đ Žw'è, μ, È, , é, í, È, è, Û, ¹, ñ [B

DNS

f [f] ffbfg [fN, í DNS (Domain Name System [fhf [fCf" f [[f€ fVfXfef€) fT [fo [[, đ Žg, x, æ, x, È TCP/IP, đ [- , ., é, ±, Æ, à [AfCf" f^ [flfbfg ä, í DNS fT [fo [[, đ Žg, x, ±, Æ, à, Å, «, Û, . [Bf [f] ffbfg [fN, í DNS fT [fo [[, đ Žg, x, Æ [A, æ, è [, ' — È - ¼ 'O, í %ø CE ^ [- [, đ RAS fNf% [fCfAf" fg, É'ň<Ÿ, Å, «, Û, . [B

HOSTS ftf@fCf<, Û, ½, í LMHOSTS ftf@fCf<

RAS fT [fo [[, Æ RAS fNf% [fCfAf" fg — ¼ • ù, í HOST ftf@fCf<, Û, ½, í LMHOST ftf@fCf<, ÉfGf" fg Š, đ'Ç % Å, ., é, ±, Æ, È, æ, è [AfCf" f^ [flfbfg ä, í • p" É, ÉfAfNfZfX, ., éfT [fo [[, Æ, í [Ú ' ±, í CEø — !, đ [ä, °, é, ±, Æ, a, Å, «, Û, . [BWindows NT, Å, í [ADNS fT [fo [[, È — à, ç [š, í, ¹, é 'O, É [A, ±, è, ç, lf [f] ftf@fCf<, đ CEŸ [ø, μ, Å — ¼ 'O, đ %ø CE ^ , μ, Û, . [B

f_fCf,, f<fAfbfv flfbfg [fN (RAS)

f_fCf,, f<fAfbfv flfbfg [fN, í [Af Šf, [fg fNf% [fCfAf" fg, a RAS fT [fo [[, đfCf" f^ [flfbfg fT [fRfX fvf [fofCf_ , Æ, μ, Å — ~ — p, Å, «, é, æ, x, É, ., éf ftfgfEjFfA, Å, . [Bf_fCf,, f<fAfbfv flfbfg [fN, đfCf" fXfg [f<, ., é, É, í [Af } fC fRf" fsf... [f^, í [f_fCf,, f<fAfbfv flfbfg [fN] fAfCfRf", đf_fuf<fNfŠfbfN, μ, Û, . [B %ø — È, É • Ž !, ³, é, é Žw Ž !, É [], Å, Å [Af_fCf,, f<fAfbfv flfbfg [fN, đfCf" fXfg [f<, μ, Å, , ¾, ³, ç [Bf_fCf,, f<fAfbfv flfbfg [fN, lfCf" fXfg [f< • ù — @, í [Ú [x, É, Å, ç, Å, í [A [uf_fCf,, f<fAfbfv flfbfg [fN (RAS) _ đfCf" fXfg [f<, ., é [v, đ ŽQ [Æ, μ, Å, , ¾, ³, ç [B

fRf" fg [f< fpf [f<, í [flfbfg [fN], đ Žg, Å, Åf_fCf,, f<fAfbfv flfbfg [fN, đfCf" fXfg [f<, ., é, Æ, « [A, Û, ½, lfCf" fXfg [f< Š @ — ¹ CE ä, É [AZŽ, lfpf% [f^, í [- , a • K — v, Æ, È, é [é [š, a, , è, Û, . [B, Û, ½ [Af Šf, [fg fNf% [fCfAf" fg, Å, à [A [ufCf" f^ [flfbfg fAfNfZfX, É Žg, x [fg fAfNfZfX fGf" fg Š, đ [- , ., é [v, í [ä — ¾, É [], Å, Åf_fCf,, f<fAfbfv flfbfg [fN, í CE Å • È, lfGf" fg Š, đ [- , μ, È, , é, í, È, è, Û, ¹, ñ [B

f [fg, í [-

fCf" f^ [flfbfg fT [fRfX, í'ň<Ÿ, É Žg, x [fg, í [AI' ... [M, í, Ý], Û, ½, í [f_fCf,, f<fAfeFg, Æ' ... [M], É [- , ³, é, Å, ç, È, , é, í, È, è, Û, ¹, ñ [B' È [í, í Windows NT Server, đ Žg, Å, Å • í [, lf Šf, [fg fNf % [fCfAf" fg, É " Ž Ž, ÉfAfNfZfX, đ'ň<Ÿ, ., é, ½, B [A, Û, Æ, ñ, Ç, í [é [š [Af } f<f' f [fg fAf_fvf^ [ä, í • í [, í COM f [fg, đ [- , ., é, ±, Æ, È, è, Û, . [B 1, Å, lf [fg, É, Å, ç, Å [Ÿ' è, đ [- , ., é, í [AZc, è, lf [fg, É, Å, ç, Å, í, ., x, Å [Af Šf, [fg fAfNfZfX fZfbfgfAfbfv] f_fCfAf [fO f {fbfNfX, í [• í [»] f {f^ f", đ Žg, x, ±

,Æ,É,æ,è□A,Ü,Á,½,“¬,¶□Ý'è,ð•j□»,·,é,±,Æ,ª,Å,«,Ü,·□B

RAS flfbfgf□□[fN,ì□□¬

[flfbfgf□□[fN,ì□□¬] f_fCfAf□fO f{fbfNfX,ì [fT□[fo□[,ì□Ý'è] ,ì [TCP/IP] f`fFfbfN
f{fbfNfX,ì□AfIf“ ,É,µ,Ä,“ ,©,È,¬,ê,Î,È,è,Ü,¹,ñ□B,Ü,½□AfZfLf...fŠfefB,ì—vCE□,ð-ž,½,·,Æ“¬Žž,ÉfŠf,□[fg fNf
%ofCfAf“fg,ìŽ□,Á<@“\,à”½%of,·,é,æ,α,È^Ã□+%o»,ì□Ý'è,ð'!ð,µ,È,¬,ê,Î,È,è,Ü,¹,ñ□BŠe^Ã□+%o»,ì□Ý'è,É,Á,ç
,Ä,ì□A[flfbfgf□□[fN,ì□□¬] f_fCfAf□fO f{fbfNfX,ìfwf<fv,ðŽQ□Æ,µ,Ä,,¾,¾,ç□B

RAS —p,ì TCP/IP ,ì□□¬

fCf“f^□[flfbfg,Æ□Ú'±,³,ê,½f<□f^□[,ìflfbfgf□□[fNã,É'u,©,ê,Ä,ç,é,í,, ,È,ì,Å□ATCP/IP fNf
%ofCfAf“fg,ìflfbfgf□□[fN'S'ì,ÉfAfNfZfX,Å,« ,é,æ,α,É,µ,È,¬,ê,Î,È,è,Ü,¹,ñ□BfZfLf...fŠfefBã,ì—□—R,Å□A,±
,ìflfbfgf□□[fN,ì□Af□fCf“ ,ìflfbfgf□□[fN,©,ç•ª—£,³,ê,Ä,ç,é□ê□‡,ª , ,é,±,Æ,É'□^Ó,µ,Ä,,¾,¾,ç□BTCP/IP
flfbfgf□□[fN,ª DHCP ,ðŽg,Á,Ä,ç,é□ê□‡,ì□ADHCP fT□[fo□[,ªfCf“f^□[flfbfg□ã,Ä,à—LCEø,È IP
fAfhfCEfX,ð'ñ<ÿ,Ä,« ,é,±,Æ,ðŠm“F,µ,È,¬,ê,Î,È,è,Ü,¹,ñ□B,Ä,« ,È,ç□ê□‡,ì□AfCf“f^□[flfbfg□ã,Ä—LCEø,È IP
fAfhfCEfX,ðŽ□,Ä□Ä“ì,ÈfAfhfCEfX fv□[f<,ð'ñ<ÿ,µ,È,¬,ê,Î,È,è,Ü,¹,ñ□B,Ü,½□AfŠf,□[fg fNf%ofCfAf“fg,ª“ÆŽ©,ì
IP fAfhfCEfX,ðŽ□,Ä,æ,α,É,·,é,±,Æ,à,Ä,« ,Ü,·□B,±,ì•û-@,ì□Aft□[fU□[,ª“Á'è,ìfAfhfCEfX,ðŽ□,Ä,±
,Æ,ð'z'è,µ,Ä,ç,éfAfvfŠfP□[fvf‡f“ ,ð□ARAS □Ú'±,ð%oî,µ,ÄfNf%ofCfAf“fg'α,© ,çŽÅ□s,·,é□ê□‡,È,Ç,É•Ö—
~,Å,·□B

PPP ,ÆfŠf,□[fg fAfNfZfX

PPP (Point-to-Point Protocol□F flfCf“fg fc□[flfCf“fg fvf□fgfRf<) ,í□A^Ù,È,éfxf“f_□[,ª'ñ<ÿ,·,éŠf,□[fg fAfNfZfX flftfgfEjFfA,ì'ŠCEY%o^—p,ð%oÅ“\,É,·,é•W□€,lfvf□fgfRf< fZfbfg,Å,·□BWindows NT ,lf_fCf,,f<fAfbfv flfbfgf□□[fN,í□A<ÆŠE•W□€,ì PPP fT□[fo□[,ð%oî,μ,ÄfŠf,□[fg flfbfgf□□[fN,Éf_fCf,,f<fCf“ ,Ä,«,Ü,·□B,Ü,½□APPP ,É,æ,è□AWindows NT Server RAS ,ðŽÀ□s,·,éRf“fsf... □[f^,à□APPP <KŠi,É□€<',μ,½,Ù,©,lfxf“f_□[,lfŠf,□[fg fAfNfZfX flftfgfEjFfA,©,ç,ìCEÄ,Ñ□o,μ,ðŽó□M,μ□A,± ,è,ç,Éflfbfgf□□[fN fAfNfZfX,ð'ñ<ÿ,Ä,«,Ü,·□B

,Ü,½□APPP <KŠi,É,æ,Á,Ä□A^È'O,ì<KŠi (SLIP ,È,Ç) ,Ä,íŽg—p,Ä,«,È,ç□Å□V,ì<@“\,àŽg—p,Ä,«,Ü,·□BPPP ,Ä,í□A^F□Ø,ì^Å□+%o»,ªTfj□[fg,³,è,Ä,“ ,è□A,Ü,Æ,ñ,Ç,ì PPP ,ìŽA'•,Ä,lf□fOfjf“Žè□‡,ð,·,×,ÄŽ©“®%o»,·,é,± ,Æ,ª,Ä,«,Ü,·□B^È'O,ì<KŠi,Ä,í□AfZfLf...fŠfefB<@“\,í,Ü,Æ,ñ,Ç,È,□Af□fOfjf“ ,lf^□[f~fj< f,□[fh,Å□s,í,È,“ ,è,î,È,è,Ü,¹,ñ□B

,Ü,½□APPP ,í•i□“ ,ì LAN fvf□fgfRf<,ðTfj□[fg,μ,Ä,ç,Ü,·□Bf_fCf,,f<fAfbfv flfbfgf□□[fN,Ä,í□AfŠf,□[fg fNf %ofCfAf“fg,Æ RAS fT□[fo□[,ì,Ç,ì,ç,É,à□Afifbfgf□□[fN fvf□fgfRf<,Æ,μ,Ä TCP/IP□AIPX□ANetBEUI ,ì,ç ,·,è,àŽg—p,Ä,«,Ü,·□B

PPP ,í□A,Ü,Æ,ñ,Ç,lfŠf,□[fg fAfNfZfX fRf“fsf...□[fefBf“fo,ìŽã—v,È<KŠi,É,È,Á,Ä,ç,·,Æ—\z,³,è,Ä,ç,Ü,·□B ŠÖ~A□€—Ú

PPP ,ì'€□[,Æfvf□fgfRf<

PPP ,ÄTfj□[fg,³,è,Ä,ç,é RFC

fCf“f^□[flfbfg□Ú'±,É PPP ,ðŽg,ª

fCf“f^[]f]fbfvg[]Ú'±,É PPP ,đŽg,ꝛ

PPP []Ú'±,í[]AWindows NT ,ìŠù'è,ì[]Ú'±•û-@,Å,·[]B

Windows NT ,ìf_fCf,,f<fAfbfv flfbfvgf[]fN,Å,í[]AfŠf,[]fg,©,ç,ì PPP ĀĀ,Ñ[]o,μ,đfTf][]fg,·,é,½,β,É[]A“Á,É•K
—v,Æ,È,é[]\[]-[]ì<Æ,Í, ,è,Û,¹,ñ[]Bf_fCf,,f<fAfbfv flfbfvgf[]fN,³μ,[]\[]-³,ê,Ä,ç,ê,í[]APPP []Ú'±
,ìf]SfVfG[]fVf†f“ ,íŽ©“@“I,É[]s,í,ê,Û,·[]B

fŠf,[]fg,ì PPP fT[]fo[][,Ö,ìf_fCf,,f<,É Windows NT

,đŽg,ꝛ[]ê[]‡,í[]A'É[]í,í[]ASù'è,ì[]Ý'è,³[]Å“K,È[]Ý'è,Å, ,è[]A[]\[]-³,đ[]s,ꝛ•K—v,Í, ,è,Û,¹,ñ[]B,½,¾,μ[]APPP
fT[]fo[][,Éf_fCf,,f<,·,éŠef_fCf,,f<fAfbfv flfbfvgf[]fN fGf“fgfŠ,ÉŽg,ꝛ LAN fv[]fgfRf<,đĀ•É,É[]\[]-³,·,é,±
,Æ,³,Å,«,Û,·[]B

f_fCf,,f<fAfeFfg[]Ú'±—p,É PPP ,đ\[]-³,·,é,É,Í

- 1 f_fCf,,f<fAfbfv flfbfvgf[]fN,Å[]A“d~b' fGf“fgfŠ,đ'Í'đ,μ[]AZŸ,É [,»,ì'¼] ,đfNfŠfbfN,μ,Û,·[]B
- 2 [fGf“fgfŠ,Æf,fff€,ìfv[]f[]p[]f[]B,ì•Ò[]W] ,Û,½,Í [fGf“fgfŠ,Æf,fff€,ìfv[]f[]p[]f[]B,ì•i[]>] ,đfNfŠfbfN,μ,Û,·[]B
- 3 [fT[]fo[][] f^fu,Å[]AfT[]fo[][,ìŽí—p,Æ,μ,Ä [PPP] ,đ'Í'đ,μ,Û,·[]B
- 4 [flfbfvgf[]fN fv[]fgfRf<] ,ì [TCP/IP] f`fFfbfN f{fbfNfX,đf]f“ ,É,μ,Û,·[]B
- 5 TCP/IP ,ì[]Ý'è,đ[]\[]-³,·,é,É,í[]A[TCP/IP ,ì[]Ý'è] ,đfNfŠfbfN,μ,Û,·[]B
- 6 [fT[]fo[][] f^fu,ì [PPP LCP Šg'£,đŽg,ꝛ] f`fFfbfN f{fbfNfX,đf]f“ ,É,μ,Û,·[]B PPP []Ú'±,ÅĀep'±,μ,Ä-â'è,³-
[]¶,·,é[]ê[]‡,É,³/₄,[]Af[]g[]f[]%[]f[]u[]f[]<[]f[]V[]f...[]f[]e[]f[]B[]f[]“[]f[]O,ìŽ'è'i,Æ,μ,Ä[]Ý'è,đ•İ,!,Ä,³/₄,³,ç[]B
- 7 PPP ,ÉŽg,ꝛ LAN fv[]fgfRf<,đ'Í'đ,μ,½,ç[]A[OK] ,đfNfŠfbfN,μ,Û,·[]B
,±,è,Å[]A,±,ìfGf“fgfŠ,đŽg,Å,Ä PPP fT[]fo[][,Éf_fCf,,f<,·,é[]€“đ,³,Å,«,Û,μ,½[]B

PPP ,i'€□i,Æfvf□fgfRf<

PPP □Ú'±,í□APPP ,Äftf□□fg,³,ê,Ä,ç,é RFC ,Á'è,ß,ç,ê,½<KŠi,É□€<' ,μ,Ä,ç,È, ,ê,Î,È,è,Ü,¹,ñ□B,±,±,Ä,í□APPP ,i'€□i•ù-@,Æ□APPP □Ú'±,ÄŽg,í,è,éfvf□fgfRf<,ìŠT-v,ðà-¾,μ,Ü,·□B

PPP ,lf_fCf,,f<fAfbfvŽè□‡

fŠf,□□fg PPP ft□□fo□□[,Æ,ì□%oSú□Ú'±,ªŠm—š,³,ê,½,ç□APPP □Ú'±,ðŠm—š,·,é,½,ß,ÉŽŸ,ì,æ,κ ,ÉfJfSfVfG□□[fvf#“ ,ª□s,í,è,Ü,·□B

- **LCP (Link Control Protocols□F fŠf“fN□§CEäfvf□fgfRf<)** ,lfJfSfVfG□□[fvf#“□□BLCP ,í□AfŠf“fN fpf%of□□[f^ , ,æ,ÑftfCE□□[f~f“fo fpf%of□□[f^ (□Á'äftfCE□□[f€ ftfCfY,È,Ç) ,ìŠm—š,Æ□□~ ,ÉŽg,í,è,Ü,·□B
- **F□Øfvf□fgfRf<,lfJfSfVfG□□[fvf#“□□B** F□Øfvf□fgfRf<,í□AfŠf,□□fg fAfNfZfX ft□□fo□□[,ª□^— □,Ä,«,éJZfLf...fŠfefBCEŸ□ ,lfCEfxf<□A, , ,æ,Ñft□□fo□□[,ª•K— v,Æ,·,éCEfxf<,ìCE^è,ÉŽg,í,è,Ü,·□BfJfSfVfG□□[fvf#“ ,ª%oÄ^ ,ÉJZfLf...fŠfefB fCEfxf<,í□AfNfŠfA fefLfXfg fpfXf□□[fh,É,æ,é“F□Ø,©,ç^Ä□+%o» ,³,ê,½“F□Ø,âfR□□[f<fofbfN fZfLf...fŠfefB,Ü,Ä□A'½Šò,É“n,è,Ü,·□B
- **NCP (Network Control Protocols□F flfbfgf□□[fN□§CEäfvf□fgfRf<)** ,lfJfSfVfG□□[fvf#“□□BNCP ,í□AIP□AIPX□A, , ,æ,Ñ NetBEUI ,É'í,μ,Ä□A,»,è,¼,è^Ü,È,éflfbfgf□□[fN fvf□fgfRf<fpf%of□□[f^ ,ðŠm—š,μ□ □~ ,·,é,½,ß,ÉŽg,í,è,Ü,·□B,±,lfJfSfVfG□□[fvf#“ ,É,í□AfVf□fgfRf< fwfbf_□[^³□k,lfJfSfVfG□□[fvf#“□A, , ,æ,Ñ^³□k□§CEäfvf□fgfRf<,lfJfSfVfG□□[fvf#“ ,ªŠÜ,Ü,è,Ü,·□B

flfSfVfG□□[fvf#“ ,ªŠ@—¹,μ,½□Ú'±,í□Aft□□[fU□□[,É,æ,é%oñ□ü ,ì□Ø'f□AfAfCfhf<ŽŽŠÖ,ìf^fCf€fAfEfG,É,æ,é %oñ□ü,ì□Ø'f□AŠÇ—□ŽÖ,É,æ,é%oñ□ü,ì□Ø'f□A□C•œ•s%oÄ^ ,ÉfŠf“fN fGf%o□□[,ì“□□l,È,Ç,ì—□—R,Ä %oñ□ü,ì□Ú'±,ª%oð□œ,³,ê,é,Ü,Ä,í□AfAfNfefBfu,È,Ü,Ü•ÜŽ□,³,ê,Ü,·□B

PPP ftfCE□□[f~f“fo

PPP ,lfJfCE□□[f~f“fo,í□Aft□□[f^ ,ªftfCfh fGfŠfA flfbfgf□□[fN□ä,ð“^— ,³,ê,é'O,lf□□[f^ ,lfJfVfZf<%o» ,ì•ù- @,ð'è< ,μ,Ü,·□BPPP •W□€ ,lfJfCE□□[f~f“foCE`Ž@ ,ðŽg,κ,Æ□A,Ç,lf□□[f□□[,lfŠf,□□fg fAfNfZfX fl ftfgfEfFfA,à□APPP <KŠi,É□€<' ,μ,½'¼,ì ,ç,ä,éŠf,□□fg fAfNfZfX flftfgfEfFfA,Æ'É□M,μ,Ä□Aft□□[f^ fpfPfbfg,ð“FŽ` ,·,é,±,Æ,ª,Ä,«,Ü,·□B

PPP ,Ä,í□AfVfŠfAf<%oñ□ü□AISDN %oñ□ü□A, , ,æ,Ñ X.25 ,É,í HDLC ftfCE□□[f~f“fo,ªŽg,í,è,Ü,·□BWindows NT ,Ä,í□AfVfŠfAf<%oñ□ü□AISDN %oñ□ü□A, , ,æ,Ñ X.25 ,lf□□[f^“j'— ,É,í HDLC ftfCE□□[f~f“fo,ªŽg,í,è,Ü,·□B

flfbfgf□□[fN□§CEäfvf□fgfRf<

flfbfgf□□[fN□§CEäfvf□fgfRf<,í□AIP□AIPX□A, , ,æ,Ñ NetBEUI ,É'í,μ,Ä□A,»,è,¼,è^Ü,È,éflfbfgf□□[fN fvf□fgfRf< fpf%of□□[f^ ,ðŠm—š,μ□□~ ,μ,Ü,·□B

IPCP (Internet Protocol Control Protocol□F fCf“f^□□[flfbfg fvf□fgfRf<□§CEäfvf□fgfRf<)	IPCP ,í□AfŠf“fN,ì—¼'[,Ä IP fvf□fgfRf<,ì□□~□A—LCEø %o»□A, , ,æ,Ñ-³CEø %o» ,ð□s,κ ,½,ß,ÉŽg,í,è,Ü,·□B
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IPXCP (Internet Packet Exchange Control Protocol□F fCf“f^□□[flfbfg fpfPfbfgCEðŠ-□§ CEäfvf□fgfRf<)	IPXCP ,í□A□Ú'±,ì—¼'[,Ä IPX fvf□fgfRf< f,fWf... □[f<,ì□□~□A—LCEø %o»□A, , ,æ,Ñ-³CEø %o» ,ð□s,κ ,½,ß,ÉŽg,í,è,Ü,·□BIPXCP ,í□APPP ,ìŠef□□[f□□[,É,æ,è□L,- ŽÄ'• ,³,ê,Ä,ç,Ü,·□B
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IPX WAN
 fvf□fgfRf<,í□ANovell ,ì
 IPXCP
 'ä'Öfvf□fgfRf<,Ä,·□BIPX

WAN ,íAIPXCP
 ,Æ,ÍCEYŠ·□«,^a, ,è,Ü,¹,ñ□B,
 ç,.,ê□AIPX WAN ,Æ IPXCP
 ,^aCEY,ç
 ,É•à,ÝŠñ,Á,Ä□A□fCfh
 fGfŠfA flfbfgf□□[fN,Á,Ì IPX
 flfbfgf□□[fN□□→,Ì 1
 ,Á,ì<KŠi,ð'ñ<Ý,·,é%oÁ"\
 □«,^a, ,è,Ü,·□B

Windows NT
 ,íA□A□»□Ý,lfŠf,□[fg
 fA□NfZfX f\
 ftfgfE□fA,ì'â"•^a,ÉŽÀ'•,³
 ê,Ä,ç,é IPXCP ,ðfTf|
 □[fg,μ,Ä,ç,Ü,·□BIPX WAN
 ,ÍfTf|□[fg,μ,Ä,ç,Ü,¹,ñ□B

NBF CP
 (NetBIOS
 Frames Control
 Protocol□F
 NetBIOS
 ftjCE□[f€□\$CEäfv
 f□fgfRf<)

NBF CP ,íA□Ú'±,ì—¼'[,Á
 NetBEUI fvf□fgfRf< f,fWf...
 □[f<,ì□□→□A—LCEø
 %o»□A, ",æ,Ñ—³CEø
 %o»»,ð□s,±
 ,½,ß,ÉŽg,í,è,Ü,·□BNBF CP
 ,í□AMicrosoft ,^añ□¥,·,é
 NetBEUI □□→—
 pfvf□fgfRf<,Á,·□BNBF CP
 ,í□AIETF (Internet
 Engineering Task Force)
 ,É,æ,Á,Äfhf
 %oftfg,^a□ì□→,³,è,Ä,ç,Ü,·□B

"F□Øfvf□fgfRf<

"F□Øfvf□fgfRf<,lfSfVfG□[fVf#f",í□AfŠf"fn,ì•iŽ,æCE^è,³,è,½'¼CEã□Aflfbfgf□□[fN'w,lfSfVfG□[fVf#f",ì'O,
 É□s,í,è,Ü,·□B

PAP
 (Password
 Authentica-
 tion Proto-
 col□F
 fpfXf□□[fh"□F□
 Øfvf□fgfRf<)

PAP ,í□AfNfŠfA fefLfXfg
 fpfXf□□[fh,ðŽg,±□Á,à'P□f,È"
 F□Øfvf□fgfRf<,Á,·□B'É□í□A,±
 ,lfvf□fgfRf<,lfSfVfG□[fVf#f",
 í□AfŠf,□[fg
 f□□[fNfXfe□[fVf#f",ÆfT□[fo□[
 ,^a□A,æ,è^À'S,ÈCE`Ž®,Á,ìŠm
 "F,lfSfVfG□[fVf#f",ð□s,±
 ,Æ,^a,Á,«,È,ç□è□#f,É□s,í,è,Ü,·
 □BWindows NT RAS
 fT□[fo□[.í□AfNfŠfA fefLfXfg
 fpfXf□□[fh,ðŽg,í,·□A□,fCEfxf<
 ,lfZfLf...fŠfefB,ð—
 LCEø,É,·,é,æ,±
 ,É□Ý'è,Á,«,Ü,·□B

CHAP

CHAP ,í□A^Ä□+%o»,³,è,½

(Challenge-Handshake Authentication Protocol) "ü—Í— v<□fnf"fhfVfFf CfN" F□Øfvf□f gfRf<)

%ž“š,Æ,Æ,à,É□A“ü—Í—v<□
 %ž“š,žg,ç,Ü,·□B
 CHAP ,žg,æ,Æ□A^Ù,È,éŽí—
 p,ì^Ä□+%»fAf<fSfSfYf€ ,žg
 —p,Ä,«,Ü,·□BMicrosoft RAS
 ,Ä,Í□AfNf
 %fCfAf“fg,ÆfT□[fo□[,ì—
 ¼•û,ª Windows NT RAS
 ,žg,Ä,Ä,ç,é□é□#,Í□ADES
 ^Ä□+%» ,ªŽg,í,è,Ü,·□BRAS
 fNf
 %fCfAf“fg,Í□A¼,ìf□□[fj□[,ìf
 Šf,□[fg fAfNfZfX
 fT□[fo□[,É□Ú'± ,·,é,Æ,«,É,Í
 MD5 ^Ä□+
 %» ,ðfSfVfG□[fVf#f“ ,·,é,±
 ,Æ,à,Ä,«,Ü,·□BWindows NT
 RAS fT□[fo□[,Í□ADES ^Ä□+
 %» ,¾, ¯ ,ð'ñ<Ÿ,µ□A¼,ìf□□[fj
 □[,ìfŠf,□[fg fAfNfZfX fNf
 %fCfAf“fg fVfGfEfffA,Æ
 MD5 ,ìfSfVfG□[fVf#f“ ,Í□s,ç
 ,Ü,¹,ñ□BMD5 ,Í□AŠeŽí PPP
 f□□[fj□[,ª^Ä□+
 %»" F□Ø,ÉŽg,Ä,Ä,ç,é^Ä□+
 %»•ûŽ®,Ä,·□B
 Windows NT ,Í□A,Ù,©,ì
 Windows NT fRf“fsf...
 □[f^ ,Æ'É□M,·,é,Æ,«,É,Í•K, ,^
 Ä□+
 %»" F□Ø,ìfSfVfG□[fVf#f“ ,ð
 □s,ç,Ü,·□BfT□[fh
 fp□[fefB□» ,ìfŠf,□[fg fAfNfZfX
 fT□[fo□[f\
 fVfGfEfffA,Ü,½,ìfŠf,□[fg
 fAfNfZfX fNf%fCfAf“fg f\
 fVfGfEfffA,Æ□Ú'±
 ,·,é□é□#□AfT□[fh
 fp□[fefB,ì□»•i,ª^Ä□+
 %»" F□Ø,ðfTf|□[fg,µ,Ä,ç
 ,È, ¯ ,è,Í□ARAS ,Í□AfNfŠfA
 fefLfxfg,ì" F□Ø,ìfSfVfG□[fVf
 #f“ ,ð□s,æ□é□#,ª ,è,Ü,·□B

PPP ,ÄfTf|□[fg,ª,è,Ä,ç,é RFC

fŠf,□[fg fAfNfZfX fvf□fgfRf<,ì<KŠi,Í□AIETF , ,æ,Ñ,»,ì¼,ìf□□[fLf“fo fOf<□[fv,ªCEö•z,µ,Ä,ç,é RFC (Requests For Comments) ,Ä'è< ,ª,è,Ä,ç,Ü,·□BWindows NT RAS ,ìCE>Ÿ,ìfo□[fWf#f“ ,Ä,Í□AZŸ,ì RFC ,ðfTf|□[fg,µ,Ä,ç ,Ü,·□B

- RFC 1549 HDLC fVfG□[f€“à,ì PPP

- RFC 1552 PPP IPXCP (Internetwork Packet Exchange Control Protocol) fCf“f^[]flfbfg[]fN fpfPfbfgCEđŠ·[]\$CEäfvf[]fgfRf<)
- RFC 1334 PPP “F[]Øfvf[]fgfRf<
- RFC 1332 PPP IPCP (Internet Protocol Control Protocol) fCf“f^[]flfbfg fvf[]fgfRf<[]\$CEäfvf[]fgfRf<)
- RFC 1661 LCP (Link Control Protocol) fŠf“fN[]\$CEäfvf[]fgfRf<)
- RFC 1717 PPP f}f`fŠf“fN fvf[]fgfRf<

PPP Ú'±,lfgf%ofuf:fvf...[fefBf"fo

PPP ft[fof[ÉÚ'±,Á,«,Ü,¹,ñB

PPP ,ðžg,Á,Äft[fof[ÉÚ'±,Á,«,È,çê#A,Ü,½,Íšf,[fg fRf"fsf...[f^,ªÚ'± ,ðø'f,·,éê#Í,ÍAÚ'±æ,lfT[fof[ª LCP ,ÌŠg'£<@"\,ðftf[f,μ,Ä,ç,È,ç%Å"\«ª, ,è,Ü,·B[PPP LCP Šg'£,ðžg,κ] f`fFbfN f{fbfNfX,ðftf,É,μ,Ä,,¾,¾,çB

LCP Šg'£<@"\,ì—v<[ð'tž~·,·,é,É,Í

- 1 fšf,[fg,ì PPP ft[fof[Æ,ìÚ'±,ðø'f,μ,Ü,·B
- 2 f_fCf,,f:fAfbfv flfbfgf[fN,ÅA[«,»'¼] ,ðNfšfbfN,μAZÿ,É [fGf"fgfš,Æf,fff€,lfvf]fpfefB,ì•òW] ,ðNfšfbfN,μ,Ü,·B
- 3 [ft[fof[f^fu,ì [PPP LCP Šg'£,ðžg,κ] f`fFbfN f{fbfNfX,ðftf,É,μ,Ü,·B
- 4 [OK] ,ðNfšfbfN,μ,Ü,·B

TCP/IP ft[fefBfšfefB,ª"®ì,μ,Ü,¹,ñB

fšf,[fg,ì PPP ft[fof[É³í,ÉÚ'±,Á,«,é,ì,ÉATCP/IP ft[fefBfšfefB,ª"®ì,μ,È,çê#Í,ÍAIP fwfbf_[]^³k,ª-â'è,Æ,È,Á,Ä,ç,é%Å"\«ª, ,è,Ü,·BIP fwfbf_[]^³k,ðftf,É,μ,Ä,©,çA,à,æ"è"xÚ'± ,μ,Ä,Ý,Ä,,¾,¾,çB

IP fwfbf_[]^³k,ðftf,É,·,é,É,Í

- 1 fšf,[fg,ì PPP ft[fof[Æ,ìÚ'±,ðø'f,μ,Ü,·B
- 2 f_fCf,,f:fAfbfv flfbfgf[fN,ÅA[«,»'¼] ,ðNfšfbfN,μAZÿ,É [fGf"fgfš,Æf,fff€,lfvf]fpfefB,ì•òW] ,ðNfšfbfN,μ,Ü,·B
- 3 [ft[fof[f^fu,ì [TCP/IP ,ìÝ'è] ,ðNfšfbfN,μ,Ü,·B
- 4 [PPP TCP/IP ,ìÝ'è] f_fCfAf[]fo f{fbfNfX,ì [IP fwfbf_[]^³k,ðžg,κ] f`fFbfN f{fbfNfX,ðftf,É,μ,Ü,·B
- 5 [OK] ,ðNfšfbfN,μ,Ü,·B

,» ,ì¼, ÌfffofCfX fRf}f“fh ftf@fCf< (.INF) ,đŽg,»

RAS ,íASWITCH.INFAMODEM.INFA, ,æ, Ñ PAD.INF ,đŽg,Á,ÄAft[fo[,Ö, Ìî~bCE^ ,lfOOfCf“ ,đŽ©“® %» ,µ, ½, èAf, fff€, AE X.25 PAD ,đ%Šú%» ,µ, ½, è, µ, Ü, ·B, ±, è, ç, Ìftf@fCf<, Í, ·, x, ÄAfffOfCfX, âfRf“fsf... [f^ ,AE, ÌŽ©“® ÊM, ÊA“ ,fRf}f“fh, AE·¶, đŽg, ç, Ü, ·B

, ±, è, ç, Ìftf@fCf<, É, íA^ê“É“Í, È‘·u, âftf[fg, ³, è, Ä, ç, é‘·u, Ì—á, AE^ê~A, lfRf}f“fh (fXfNfŠfvfg) , ŠÜ, Ü, è, Ä, ç, Ü, ·BŽg—p, ·, é‘·u—p, Ì<Lq, âftf@fCf<“à, É, È, çêê¶, íA, Ü, ©, ÌfXfNfŠfvfg, đ— á, AE, µ, ÄŽg, Á, ½, èA‘À‘è, Ì‘·u, É“KØ, ÈfRf}f“fh, đ‘Ç%Á, µ, ½, è, µ, ÄA, ± , Ìftf@fCf<, É“ÆŽ© , ÌfXfNfŠfvfg, đ¶—, ·, é, ±, AE, ², Á, «, Ü, ·B

, Ç, Ìftf@fCf<, Á, à“ , ¶·¶, AE<‘ÊfRf}f“fh, ²Žg, í, è, é, Ì, ÄAŽŸ, Ì MODEM.INF , ÉŠÖ, ·, éfwf·fv fgfsfbfN, íA, » , Ì¼, Ì .INF ftf@fCf<, É, à“K—p, Á, «, Ü, ·B

f, fff€, ÌfXfNfŠfvfg ftf@fCf<, ÌŠT—v

MODEM.INF , đC³, ·, é

MODEM.INF , Ì¶·¶

ŽŸ, Ìftf@fCf<, íA\systemroot\System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·B

MODEM.INF

, ±, Ìftf@fCf<, É<Lq, ³, è, ½fRf}f“fh, íAZ©“®“Í, Èf, fff€, É‘—M, ³, è, Ü, ·Bf, fff€, ²“®¶, µ, È, çêê¶, âA^ê— É, È, çêê¶ ÈŠÖ, íA, ±, Ìftf@fCf<, đC³, ·, é·K—v, Í, , è, Ü, ¹, ñBÚ×, É, Á, ç, Ä, íAuf, fff€, ÌfXfNfŠfvfg ftf@fCf<, ÌŠT—v¶v, đŽQAE, µ, Ä, , ¾, ³, ç¶B

SWITCH.INF

, ±, Ìftf@fCf<, É<Lq, ³, è, ½fRf}f“fh, íAfZfLf...fŠfefB fzfXfgA, Ü, ½, Ìî~bCE^ ,lfOOfCf“ , đ·K—v, AE, ·, éfŠf, ¶fg ft[fo[(UNIX ft[fo[, È, Ç) , đ%ôî, µ, ÄÚ±, ·, éêê¶, ÉŽg, í, è, Ü, ·BfXfNfŠfvfg, Ì¶—, Á, íA‘·u-¼, đŠp, ©, Á, ±, Ä‘í, ñ, Ä“ü—Í, µA‘·u-¼, É‘±, ˆ, Ä 1 , Á, Ü, ½, Í·i¶“ , lfRf}f“fh, đ“ü— Í, µ, Ü, ·BfXfNfŠfvfg, đ¶—, µ, ½, çA, » , ÌfXfNfŠfvfg, đŽg, ²ŠefŠf, ¶fg fAfNfZfX fGf“fgfŠ, ÄfXfNfŠfvfg, đfAfNfefBfu%» , µ, Ü, ·BfXfNfŠfvfg, ÌfCf, , f‘O, ÉŽg, ² (f, fff€ fv[ç, È, Ç, Ìêê¶) , ± , AE, àAf_fCf, , f<CEä, ÉŽg, ² (fZfLf...fŠfefB fzfXfgAfŠf, ¶fg ft[fo[, Ö, ÌŽAÚ, ÌfOjlf“ , È, Ç, Ìêê¶) , ± , AE, à, Á, «, Ü, ·BÚ×, É, Á, ç, Ä, íAúSWITCH.INF fXfNfŠfvfg, đŽg, Á, ÄŠf, ¶fg fOjlf“ , đŽ©“® %» , ·, é¶v, đŽQAE, µ, Ä, , ¾, ³, ç¶B

PAD.INF

, ±, Ìftf@fCf<, É<Lq, ³, è, ½fRf}f“fh, íAX.25 PAD , đ%ôî, µ, ÄÚ±, ·, éêê¶, ÉŽg, í, è, Ü, ·Bftf[fg, ³, è, Ä, ç, é PAD , Ì, Ü, AE, ñ, Ç, É, Á, ç, Ä, íAPAD.INF , ÈfXfNfŠfvfg, ²<Lq, ³, è, Ä, ç, Ü, ·B·K—v, Á, , è, íA‘·u-¼, đŠp, ©, Á, ± , Ä‘í, ñ, Ä“ü—Í, µA‘·u-¼, ÌCEä, è, É 1 , Á, Ü, ½, Í·i¶“ , lfRf}f“fh, đ“ü—Í, ·, é, ± , AE, É, æ, èfXfNfŠfvfg, đ¶—, µ, Ü, ·BfXfNfŠfvfg, đ¶—, µ, ½, çA, » , ÌfXfNfŠfvfg, đŽg, ²ŠefŠf, ¶fg fAfNfZfX fgf“fgfŠ, É, Á, ç, ÄA[X.25] f^fu, ©, çfXfNfŠfvfg, đfAfNfefBfu%» , µ, Ü, ·BÚ×, É, Á, ç, Ä, íAwfLfbfg[¶fN fKfChx, đŽQAE, µ, Ä, , ¾, ³, ç¶B

MSN ,Æ,ìÚ'±,É Windows NT ,ðŽg,α

The Microsoft Network (MSN) ,ðfCf“f^[]fifbfg fT[]fxfX fvf[]fofCf_ ,Æ,μ,Ä~—p,Å,«,é,ì,í[]AŠù,É Windows 95 ,ðŽg,Á,Ä MSN fAfjJfEf“fg,ð[][]—,μ,Ä,ç,é[]ê[]‡,¾, ,Ä,·[]B

Windows NT , ©,ç MSN ,ðŽg,Á,ÄfCf“f^[]fifbfg,É[]Ú'±,·,é[]ê[]‡,í[]Af[][]f<,âÇfŽì”Â,È,Ç,ì[]EÄ—L,ìfif“f%ofCf“ fT[]fxfX,í~—p,Å,«,Ü,¹,ñ[]B

MSN ,É[]Ú'±,·,é,É,í

- 1 [f_fCf,,f<fAfbfv fifbfgf[][]fN] fEfBf“fhfE,Å[]A[[]V<K[][]—] ,ðfNfŠfbfN,μ,Ü,·[]B
- 2 %œ—É,É•\Žì,³,ê,éŽwŽì,É[]],Á,Ä'€[]i,μ,Ü,·[]B,Ü,½,í[]A“d~b' ,ð'¼[]Ú•Ò[]W,·,é,æ,α,Éf`fFfbfN f{fbfNfX,ðfif“ ,É,μ,Ä [Š@—¹] ,ðfNfŠfbfN,μ[]AŽÿ,ìŽè[]‡,É[]],ç,Ü,·[]B
- 3 [Šì--{] f^fu,Å[]AfGf“fgfŠ,ì-¼'° (—á[]F **MSN**) ,ð“ü—í,μ,Ü,·[]B
- 4 fCf“f^[]fifbfg,ÉfAfNfZfX,Å,«,é<ß,,ì MSN fT[]fxfX“d~b”Ô[]t,ð“ü—í,μ,Ü,·[]B
- 5 f,fff€,ð'ì'ð,μ[]AŠù'è,ìf,fff€[][]—,ðŽg,ç,Ü,·[]B
- 6 [fT[]fo[][] f^fu,ì [f_fCf,,f<fAfbfv fT[]fo[][,ìŽì—P] f{fbfNfX,Å[]A[PPP] ,ð'ì'ð,μ,Ü,·[]B [fifbfgf[][]fN fvf[]fgfRf<] ,Å[]A[TCP/IP] f`fFfbfN f{fbfNfX,¾, ,ðfif“ ,É,μ,Ü,·[]B [PPP LCP Šg'£,ðŽg,α] f`fFfbfN f{fbfNfX,ðfift,É,μ,Ü,·[]B
- 7 [fzfLf...fŠfefB] f^fu,ì [fNfŠfA fefLfxfg,ðŠÜ,“C^Ó,ì”F[]Ø,ðŽó, ,t, ,é] ,ðfNfŠfbfN,μ[]AŽÿ,É [OK] ,ðfNfŠfbfN,μ,Ü,·[]B
- 8 [f_fCf,,f<] ,ðfNfŠfbfN,μ,Ü,·[]B
- 9 [[],Ö,ìÚ'±] f_fCfAf[]fo f{fbfNfX,Å[]AMS N ,Ä,ìft[]fU[][-¼,ð **MSN**/ft[]fU[][-¼ ,Æ,ç,αÇ` ,Ä“ü— í,μ,Ü,·[]B
- 10 ,»,ìft[]fU[][-¼,ì MSN ,ìfpfXf[][]fh,ð“ü—í,μ[]A[OK] ,ðfNfŠfbfN,μ,Ü,·[]B

fŠf, [fg] fT [fo] [ÉÚ'±, ., é

- 'É [Af] Šf, [fg] ÅÚ' ±, ., é fT [fo] [É, Í AŽŸ, Ì 3 Ží—p, a, , è, Ü, . B
- Microsoft RAS fT [fo] [(LAN Manager Version 2.1 Windows NT Version 3.1 ^É ~ A, " , æ, Ń
Windows 95)
- Microsoft »• i ^ È Š O, Ì PPP fT [fo] [
- SLIP fT [fo] [

Microsoft RAS fT [fo] [ÉÚ' ±, ., é v f Z f X, Í Š È ' P, Å, . B, ±, Ì v f Z f X, Å, Í Windows NT
, É f O f l f " , ., é, Æ, «, É Ž w ' è, μ, ½ f A f J f E f " f g i • ñ, a Ž g, í, ê, Ü, . B Windows NT RAS , ð Ž Å s, μ, Å, ç, È, ç f R f " f s f ...
[f ^ , É Windows NT RAS , ð Ž g, Á, Å Ú ' ±, ., é ê ð ð , Í Af Š f, [fg] v f X f e f € , É f O f l f " , ., é, Æ, «, É Af ^ [f ~ f j f <
f E f B f " f h f E, Å " Á ' è, Ì f R f } f " f h, Æ % o ž " š, ð, â, è, Æ, è, μ, È, , ê, Î, È, ç, È, ç, ±, Æ, a, , è, Ü, . B

Microsoft RAS fT[fO]

Microsoft RAS fT[fO],ÉÚ±,·,évfZfX,ÍŠÈ'P,Å,·B,±,lfvfZfX,Å,íAWindows NT
,ÉfOf"·,·,é,Æ,«,ÉŽw'è,μ,½fAfJfEj"fgî•ñ,Žg,í,è,Ü,·BWindows NT RAS ,ðŽÀs,μ,Ä,ç,È,çfRf"fsf...
[f^,É Windows NT RAS ,ðŽg,Á,ÄÚ±,·,éè,í,íAfŠf,[fg fVfXfe€ÉfOf"·,·,é,Æ,«,ÉAf^~fif<
fEfBf"fhfE,Å"Á'è,ìfRf}f"fh,Æ%ž"š,ð,â,è,Æ,è,μ,È,·,è,í,È,ç,È,ç,±,Æ,ª, ,è,Ü,·B

fNf%ofCfAf"fg,ª Windows NT fRf"fsf...[f^,ÅAfŠf,[fg fT[fO],ª Microsoft RAS
fT[fO],ìè,íAWindows NT ,ìfZfLf...fŠfEfB,ðŽg,Á,ÄfOf" ,ðŠ®'S,ÉŽ©"®%» ,Å,«,Ü,·B

ŠÖ~A€-Ú

fŠf,[fg fT[fO],ÉÚ±,·,é

PPP fT[fO]

SLIP fT[fO]

PPP fT[fO]

PPP (Point-to-Point Protocol fJfCf"fg fc[fJfCf"fg fvf[fJfCf"fg fRf"fsf...[f^ŠÖ,ìÚ'± ,ìfJfSfVfG[fVf#f",ÉŽg,í,è,é"äŠr"lV,μ,čfVf[fJfCf"fg fRf",Á,·BPPP ,l" f[fVf[fJfCf"fg fRf",đfTf[fJfCf"fg ,éNf%ofCfAf"fg fJ fTfgEJfFA,ÆfŠf, [fg fT[fO]. íAflfbfgf[fN,Æ" f[fO,ìY'è,ìfJfSfVfG[fVf#f",đŽ©"®"l,És,č,Ü,·BPPP fT[fO[.ÉÚ'±,·,é,É,íAŽY,ì,æ,π,ÈŽè[f,ªK—v,Á,·B

- f_fCf,,fAfbfv flfbfgf[fN,ÁA"d~b' fGf"fgfŠ,đ·ÒW,μA[fT[fO[f^fu,đfNfSfbfN,μ,Ü,·BŽY,ÉA[f_fCf,,fAfbfv fT[fO[.ìZí—p] f{fbfNfX,ì [PPP],đ'l'đ,μ,Ü,·BSù'è,ìY'è,Á,íA,±,ì€—Ú,ª'l'đ,ª,è,Á,č,Ü,·B
- CEÁ,Ňo,μæ,ìT[fO[,ÆfefLfxfg fx[fX,ÁfOfif"í•ñ,đCEđŠ,·,é•K—v,ª, ,éê[f,íA[fXfNfSfVfg] f^fu,đfNfSfbfN,μA[f^ [f~fif< fEfBf"fhfE,đŠ],] ,đ'l'đ,μ,Ü,·B,±,è,É,æ,èAÚ'±,ìŽè'±,«'t,Éf^ [f~fif< f_fCfAfO,ª·Zì,ª,èAfefLfxfg fx[fX,ÁfOfif"í•ñ,đCEđŠ,Á,«,é,æ,π,É,È,è,Ü,·B

PPP <KŠi,Á,íA^Á+%%>,Ü,½,ìfNfŠfA fefLfxfg,ì" f[fVf[fJfCf"fg fRf",đŽg,Á,Ä" f[fO,đŠ®'S,ÉŽ©"® %>>,Á,«,Ü,·B,μ,©,μA^è·",ì PPP fvf[fO[fCf_ ,ìAPPP ,l" f[fVf[fJfCf"fg fRf",đŽÀ'•,μ,Á,č,Ü,¹,ñB,±,ì,½,βAPPP ,đ<N"® ,·,é'O,ÉAfefLfxfg fx[fX,Áí•ñ,đCEđŠ,·,é•K—v,ª, ,è,Ü,·B

fefLfxfg fx[fX,ìí•ñCEđŠ,đŽ©"®%>>,·,é,É,íAfnfŠfA fefLfxfg,ìfOfif" f_fCfAfO,ì'ä,í,è,É SWITCH.INF fXfNfSfVfg,đŽg,č,Ü,·BÚx,É,Á,č,Ä,íA[uSWITCH.INF fXfNfSfVfg,đŽg,Á,ÄŠf, [fg fOfif" ,đŽ©"® %>>,·,éA[uSWITCH.INF ,đŽÀs,·,évA, ,æ,ŇuDEVICE.LOG ,É,æ,éfXfNfSfVfg,ìfgf%uf<fVf... [fefBf"foqv,đŽQAE,μ,Ä,,³/4,³,čB

ŠÖ~A€—Ú

fŠf, [fg fT[fO[.ÉÚ'±,·,é

Microsoft RAS fT[fO

SLIP fT[fO

SLIP fT[fO]

SLIP (Serial Line Internet Protocol fVfŠfAf<%ñüfCf“f^□[flfbfg fvf□fgfRf<) ,í□A“F□Ø<@□\,đfTf] □[fg,μ,Ä,č,È,č<ĚŽ@,lfvf□fgfRf<,Á,·□B’É□í□ASLIP □Ú’±,Á,í□AfefLfXfg fX□[fX,lf□fOfif“ fZfbfVf#f“,á•K— v,Á,·□B^Ā□+%»„Æfifbfgf□□[fN fpf%□f□□[f^,lž©“@fifSfVfG□[fVf#f“,í□Aftf]□[fg,³,è,Ä,č,Ü,¹,ñ□BSLIP fT□[fo□[.É□Ú’±,·,é,É,í□AZŽŸ,ì,æ,ɣ,Èžè□‡,á•K—v,Á,·□B

- f_fCf,,f<fAfbfv flfbfgf□□[fN,Á□A“d~b’ fGf“fgfŠ,đ•Ò□W,μ□A[fT□[fo□[] f^fu,đfNfŠfbfN,μ,Ü,·□BŽŸ,É□A[f_fCf,,f<fAfbfv fT□[fo□[.lží—p] f{fbfNfX,ì [SLIP] ,đ’l’đ,μ,Ü,·□B
- ĚÄ,Ň□o,μ□æ,lfT□[fo□[.ÆfefLfXfg fX□[fX,Áf□fOfif“□í•ñ,đĚđŠ,·,é•K—v,á, ,é□è□‡,í□A[fXfNfŠfVfg] f^fu,đfNfŠfbfN,μ□A[f^□[f~fif< fEfBf“fhfE,đŠJ,] ,đ’l’đ,μ,Ü,·□B□Ú’±,lžè’±,«’t,Éf^□[f~fif< f_fCfAf□fO,á•\ Ž!,³,è□AfefLfXfg fX□[fX,Áf□fOfif“□í•ñ,đĚđŠ,Á,«,é,æ,ɣ,É,È,è,Ü,·□B

fefLfXfg fX□[fX,ì□í•ñĚđŠ,·,đž©“@%»„·,é,É,í□AfNfŠfA fefLfXfg,lf□fOfif“ f_fCfAf□fO,ì’ã,í,è,É SWITCH.INF fXfNfŠfVfg,đžg,č,Ü,·□B□Ú□x,É,Ä,č,Ä,í□A□uSWITCH.INF fXfNfŠfVfg,đžg,Á.ÁfŠf,□[fg f□fOfif“ ,đž©“@ %»„·,é□v□A□uSWITCH.INF ,đžÀ□s,·,é□v□A, ”,æ,Ň□uDEVICE.LOG ,É,æ,éfXfNfŠfVfg,lfgf%□fuf<fVf... □[fefBf“fO□v,đžQ□Æ,μ,Ä,,³/4,³,č□B

ŠÖ~A□€-Ú

fŠf,□[fg fT□[fo□[.É□Ú’±,·,é

Microsoft RAS fT□[fo□[

PPP fT□[fo□[

fŠf, [fg fOfif“ ,É RAS f^ [f~fif<, đŽg, x

PPP fT [fo [,Ü, ½, í SLIP fT [fo [,Éf_fCf, f<fCf“ , , éêê# Af^ [f~fif<%æ-É, đŽg, Á, ĀfŠf, [fg fRf“fsf...
 [f^ ,ÉfOfif“ , , é•K-v, a, , é, AE, <, íA, » , Ì RAS fGf“fgfŠ, Ì [“d~b” , ÌfGf“fgfŠ, Ì•ÖW] f_fCfAfO f {fbfNfX, Ì
 [fXfNfŠfvfg] f^fu, ĀA“RAS f^ [f~fif< fOfif““ , đŽg, x, æ, x, ÉŸ’è, µ, È, , é, í, È, è, Ü, , ñB, ±, Ì, æ, x
 , ÉŸ’è, µ, Ā, , , AE ARAS , ĀfŠf, [fg fVfXfefE, ÉŸ’è, µ, ½CEã AfŠf, [fg fRf“fsf... [f^ , ©, ç’—
 , ç, è, éfOfif“ Žè# , a • ĀŽšfx [fX, ÌfEfBf“fhfE, É•\Ž!, , é, Ü, , B, ±, ÌfEfBf“fhfE, đŽg, Á, Ā’í~b“l, ÉfŠf, [fg fRf“fsf...
 [f^ , ÉfOfif“ , µ, Ü, , B, Ü, ½A, ±, Ì, æ, x, ÉŽè“ @fOfif“ , đŽ©“ @%» , , é, ±, AE, à, Ā, «, , Ü, , BÜ×, É, Ā, ç
 , Ā, íA uSWITCH.INF fXfNfŠfvfg, đŽg, Á, ĀfŠf, [fg fOfif“ , đŽ©“ @%» , , éŸv, đŽQAE, µ, Ā, , ¾, , çB
 B—pflfbfg [fN, Ì’t, É, íA AfOfif“ , Ì’O, ÉA—~—p%Ā“\, ÈfT [frfX, Ìfjf... [, a •\Ž!, , é, é, à, Ì, a , è, Ü, , B, Ü, ½
 A<ÉŽ @ , Ì SLIP fT [fo [, Ì’t, É, íA AfOfif“ fvf [fZfX, ÌŠÖ, ÉfRf}f“fh fV [fPf“fX, đŽĀs , , é, ±
 , AE, É, æ, è AfTf@fCf< , ÌXV A•K—v, Èff [f^ , ÌžûW ASLIP Ÿ’è, ÌŸ—, É, Ç, đs, x, à, Ì, à , è, Ü, , BŸV, µ, ç
 PPP fT [fo [, Ì’t, É, íA Ÿ’è, Ì’O, ÉfT [fU [-¼, AEfpfX [fh, ¾, , đ-à, ç# , í, , é, à, Ì, à , è, Ü, , B
 ‘ [fŠf, [fg fRf“fsf... [f^ , a Microsoft RAS fT [fo [, Ìêê# , íA Af^ [f~fif< fOfif“ , đŽg, x•K—
 v, Ì , è, Ü, , ñBfOfif“ , íAŠ @’S, ÉŽ©“ @%» , , é, Ü, , B

f_fCf, f<CEã, É RAS f^ [f~fif<, đŽg, x, æ, x, É Windows NT RAS fGf“fgfŠ, đŸŸ—, , , é, É, í

- 1 f_fCf, f<fAfbfv flfbfg [fN, ĀA Ÿ’è, ÌfGf“fgfŠ, đ’í’đ, µ, Ü, , B
 - 2 [, » , Ì¼] , đNfŠfbfN, µA [fGf“fgfŠ, AEf, fffE, Ìfvf [fpfefB, Ì•ÖW] , đNfŠfbfN, µ, Ü, , B
 - 3 [fXfNfŠfvfg] f^fu, ĀA [f^ [f~fif< fEfBf“fhfE, đŠ,] , đNfŠfbfN, µ, Ü, , B
 - 4 [OK] , đNfŠfbfN, µA ŽŸ, É [f_fCf, f<] , đNfŠfbfN, µ, Ü, , B
- , ±, ÌfGf“fgfŠ, Éf_fCf, f<, µA Ÿ’è, , é, AE A [f_fCf, f<CEã^ [f~fif<] fEfBf“fhfE, a •\Ž!, , é AfŠf, [fg fRf“fsf...
 [f^ , Ìfvf [f“fvfg, a •\Ž!, , é, Ü, , B, ±, Ì [f_fCf, f<CEã^ [f~fif<] fEfBf“fhfE, đŽg, Á, ĀfŠf, [fg fRf“fsf...
 [f^ , ÉfOfif“ , µ, Ü, , BfŠf, [fg fRf“fsf... [f^ , AE, Ì’í~b, a , , x, Ā—¹, µ, ½, çA [Š @—¹] , đNfŠfbfN, µ, Ü, , B
 fOfif“ Žè# , a í, É“ , Ā, ĀA •í, í, é, ±, AE, a , È, çêê# , íA AfOfif“ Žè# , ÌžĀs’t, ÉfŠf, [fg fRf“fsf...
 [f^ , ÉŽ©“ @“l, ÉŸ’è, ñ, đ“n, fXfNfŠfvfg, đŸŸ—, µA Ÿ’è, đŠ @’S, ÉŽ©“ @%» , , é, ±, AE, a , Ā, «, , Ü, , B
 Ÿ×, É, Ā, ç, Ā, íA uSWITCH.INF fXfNfŠfvfg, đŽg, Á, ĀfŠf, [fg fOfif“ , đŽ©“ @%» , , éŸv A uSWITCH.INF
 , đŽĀs , , éŸv A , , æ, Ñ uDEVICE.LOG , É, æ, éfXfNfŠfvfg, Ìfgf%ofuf<fvf... [fEfBf“fOŸv, đŽQAE, µ, Ā, , ¾, , çB

SWITCH.INF fXfNfŠfVfg,đŽg,Á,ÄfŠf, [fg fOfOfif“ ,đŽ©“ @%» ,.é

fOfOfif“ fvfFzfx,đŽ©“ @%» ,.é,É,íASWITCH.INF ftj@fCf< (X.25 flfbfgf [fN,Á,íAPAD.INF) ,đŽg,č
,Ü,·B,±,é,É,æ,èAufŠf, [fg fOfOfif“ ,É RAS f^ [f~fif<,đŽg,ᄁv,Áà-¾,μ,½,æ,ᄁ,ÉARAS f^ [f~fif<
fEfBf“fhfE,đŽè“ @,Á'€i,.,é•K—v,ª,È,,È,è,Ü,·B

fXfNfŠfVfg,É,æ,éŽ©“ @%» ,íAfŠf, [fg fRf“fsf... [f^ ,É'èŠú“l,ÉÚ'±,.,é•K—v,ª, ,éèè±,É“Á,É-đ—
š,ž,Ü,·BfXfNfŠfVfg,đŽg,ᄁ,æ,ᄁ,É RAS fGf“fgfŠ,ª [v,³,è,Ä,č,é,íAfŠf, [fgÚ'±
,ÉŽ,“s,μ,½èè±,Á,àARAS ,ÍŽ©“ @“l,ÉfŠf_fCf,ᄁ,μAÚ'±,đÄŠm—š,μ,Ü,·B,Ü,½AfŠf, [fg fVfXfef€
,É•p“É,Éf [fOfif“ ,.,éèè±,íA-^%ñžè“ @,Äf [fOfif“ ,.,é•K—v,ª,È,,È,é,ì,ÁAZžŠÔ,đβ-ñ,Ä,«,Ü,·B

SWITCH.INF ftj@fCf<,É,íA“Ä—p,lfXfNfŠfVfg,ªL [q,³,è,Ä,č,Ü,·B,±
,lfXfNfŠfVfg,íA,Ü,Æ,ñ,Ç,Ü,½,í,Ü,Á,½,•iX,¹, ,ÉŽg—p,Ä,«,Ü,·B,Ü, ,A—p,lfXfNfŠfVfg,đŽg,Á,ÄÚ'±
,μ,Ä,Ý,Ä,¾,³,čB“Ä—p,lfXfNfŠfVfg,Á³,μ,Ú'±,Ä,«,È,čèè±,íA,±
,lfXfNfŠfVfg,đfRfs [l,μAÚ'±æ,lfŠf, [fg fRf“fsf... [f^ ,lfOfOfif“ Žèè±,Éè±,í,¹,ÄC³,μ,Ü,·B

' [,±,±,Áà-¾,μ,Ä,č,éfXfNfŠfVfgCE¾CEè,íAf,fff€,đŠÜ,b,Ü,©,ì'•u,Æ,à'ÉM,Ä,«,é,æ,ᄁ
,ÉYCEv,³,è,Ä,č,Ü,·Bf,fff€,lfXfNfŠfVfg,ÉŠÖ, ,é'mž~ ,ª,È,č,ÆAfXfNfŠfVfg,í—%đ,μ,É,,čèè±,ª, ,è
,Ü,·B [uRAS —p,lfXfNfŠfVfg,đ [v,Á,íAfXfNfŠfVfg,ì [v,·ú-@,đà-¾,μ,Ü, ,ªA—
p,lfTf“fvf< fXfNfŠfVfg,ì,č, ,è,©,đfRfs [l,μA•íX, ,é•ú-@,ªÄ,àŠÈ'P,Ä,·B

ŠÖ~A [€-Ú

RAS —p,lfXfNfŠfVfg,đ [v, .:é

SWITCH.INF ,đŽÄ [s, .:é

DEVICE.LOG ,É,æ,éfXfNfŠfVfg,lfqf%uf<fVf... [fefBf“fO

RAS —p,lfXfNfŠfVfg,đ□ì□—,·,é

SWITCH.INF ftf@fCf<,í□Asystemroot\SYSTEM32\RAS fffBfCefNfgfŠ,É, ,è□A,ç,,Â,©,ì□—,³,Èfofbf` ftf@fCf<
(fXfNfŠfVfg) ,đ'g,Ý□‡,í,¹,½,æ,x,È□\□—,É,È,Á,Ä,ç,Ü,·□BSWITCH.INF ftf@fCf<,É,í□ARAS
ft□[fU□[,ªCEÄ,Ñ□o,·'‡%oi'·'u,âfjf"ƒ%ofCf" fT□[frfX,²,Æ,É□A^Ù,È,éfXfNfŠfVfg,đ<L□q,Å,«,Ü,·□B

SWITCH.INF ,lfXfNfŠfVfg,í□AfZfNfVf‡f" fwfbf □[□AfRf□f"fg□s□AfRf}f"fh□A%ož"š□A
%ož"šfL□[f□□[fh□A,·,æ,Ñf}fNf□,ì 6 ,Â,ì—v'f,©,ç□\□—,³,è,Ä,ç,Ü,·□B

ŠÖ~A□€-Ú

SWITCH.INF ,đŽÀ□s,·,é

DEVICE.LOG ,É,æ,éfXfNfŠfVfg,lfqf%ofuf<fVf...□[fefBf"fo

fXfNfŠfVfg,ì<L□q—á

2 ·bŠÔ,lfMfffbfv,đŠÜ,P',ç·¶Žš—ñ,lfuf□fbfN,đ□^—□,·,é

fRf}f"fh,ÆfLfffŠfbfW fŠf^□[f"

fZfNfVf#f“ fwfbf_[]

fZfNfVf#f“ fwfbf_[][,í[]ASWITCH.INF ftf@fCf<,ì“à—e,ðĈĀ•Ē,ìfXfNfŠfVfg,É<æ[]Ø,è[]A‘Á’è,ìfŠf,[]fg fRf“fsf...
[][f^,É‘í%ž,.,éfXfNfŠfVfg,ìŽn,Ü,è,ðŽì,μ,Ü,·[]BfZfNfVf#f“ fwfbf_[][,ì•¶Žš[]“,í[]A31 •¶Žš^È
%ºº,Å,È,¯,è,î,È,è,Ü,¹,ñ[]BfXfNfŠfVfg,ªŽÀ[]s,³,è,é,Æ[]AfZfNfVf#f“ fwfbf_[][,ì•¶Žš—ñ,ª\
Žì,³,è,Ü,·[]BfZfNfVf#f“ fwfbf_[][,í[]AZÿ,ì,æ,κ,ÉŠp,©,Á,±,Å^í,Ý,Ü,·[]B

[Route 66 Logon]

ŠÖ~A[]€-Ú

RAS —p,ìfXfNfŠfVfg,ð[]i[]-,:é

fRf“fgs

fRf“fgs,É,íA1 CE...-Ú,ÉfZf~fRf“ (;) ,ð<Lq,μ,È,̄,ê,Î,È,è,Û,¹,ñBfRf“fgs,íAftf@fCf<“à,ì,Ç,±
,É, ,Á,Ä,à,©,Ü,ç,Ü,¹,ñBfRf“fgs,É,íAZÿ,ì,æ,κ,ÉASWITCH.INF
ftf@fCf<,ì•ÚŽç,ì,½,β,ìí•ñ,ð<Lq,μ,Û,·B

; ìí-“úF 1996 "N 9 CEŽ 29 “úAìí-ŽÒF MariaG

ŠÖ~A€-Ú

RAS —p.ìfXfNfŠšvfg,ðìí-,:é

fRf}f“fh

fXfNfŠfVfg,İše□s,É,í□A□□□fjf< fRf“fsf...□f^,©,çfŠf,□fG fRf“fsf...□f^,Ö,İfRf}f“fh□A,Ü,½,İfŠf,□fG fRf“fsf...□f^,©,çf□□fjf< fRf“fsf...□f^,Ö,İ%ž“š,đ<L□q,μ,Ü,·□B,»é,¼,è,İfRf}f“fh,Æ %ž“š,í□A□□f^,Ü,½,İfefLfXfg,İfXfgfŠ□f€,Å,·□B,½,Æ,İ,í□AZÿ,İfRf}f“fh,í□A□□fU□[-¼ (MariaG),ÆfLfffŠfbfW fŠf^□f“ (f}fNf□ <cr>),đfŠf,□fG fRf“fsf...□f^,É—□M,μ,Ü,·□B

COMMAND= MariaG<cr>

fRf}f“fh,Æ%ž“š,í□A□Šf,□fG fffofCfX,ª‘z’è,μ,Ä,ç,é,Æ,“,è,İ□#~ ,Å<L□q,μ,È,“,é,Î,È,è,Ü,¹ñ□BGOTO ,â IF ,È,Ç,İ•ªŠòXfe□fGf□f“fg,í□A□T□f□fG,³è,Ä,ç,Ü,¹ñ□B

“Á’è,İfŠf,□fG fffofCfX,É•K—v,ÈfRf}f“fh,Æ%ž“š,İfV□fP□fX,É,Ä,ç,Ä,í□A,» ,İffofCfX,İf}fjf... fAf<,đŽQ□Æ,μ,Ä,,¾,³ç□B,Ü,½□A□x—p□T□f□fX,É□Ú± ,· ,é□é□#,í□A,» ,İfT□f□fX,İfT□f□fG fXf^fbft,É—â,ç□#,í,¹Ä,,¾,³ç□B“K□Ø,ÈfV□fP□fX,đ“üŽè,Ä,« ,È,ç□é□#,í□ARAS ,Ä’ñ<ÿ,³è,Ä,ç,é“Ä— p,İfXfNfŠfVfg,đŽÄ□s,μ□A□Šf,□fG fRf“fsf...□f^,İf□f□f“Žè□#,É□#,í,¹Ä•İ□X,μ,Ü,·□B□Ú□x,É,Ä,ç ,Ä,í□A□uDEVICE.LOG ,É,æ,éfXfNfŠfVfg,İfGf%uf□fVf...□f□f□f“fO □v,đŽQ□Æ,μ,Ä,,¾,³ç□B

COMMAND= fXfe□fGf□f“fg,É,í□A,Ü,©,É 2 Ží—b,İŽg,ç•û,^a ,è,Ü,·□B

COMMAND= NoResponse

,±,è,í□AŠù’è,İ“ @□,Ä□A—ñ 2 •bŠÖ,İ’x%o,,,ª”□¶,μ,Ü,·□B’±%oi’•‘u,É’x%o,,,ª•K—v,É□é□#,É—đ—š,ç,Ü,·□B

COMMAND= string

‘□ string ,İCeä,É,í□A□fLfffŠfbfW fŠf^□f“ (<cr>),đ•t,“,Ü,¹ñ□B,±,è,í□A“ü—í,ÉŽžŠÖ,đ— v,· ,éffofCfX,İ□é□#,É—đ—š,ç,Ü,·□B,±,İ,æ,x,ÈffofCfX,É,í□A□fRf}f“fh•¶Žš—ñ,^aÜ,Æ,ß,Ä’— □M,³è,é,İ,Ä,Í,È,□A1 •¶Žš,, ,Ä’—□M,³è,Ü,·□B

Žÿ,İ—á,í□A’±%oi’•‘u,İ□^—□’—“x,ª”ñ□í,É’x,ç,½,ß,É□A□fRf}f“fh PPP ,đ 1 •¶Žš,, ,Ä,μ,©Žó□M,Ä,« ,È,ç□é□#,İ —á,Ä,·□B

COMMAND=P NoResponse

COMMAND=P NoResponse

COMMAND=P NoResponse

ŠÖ~A□€—Ú

RAS —p,İfXfNfŠfVfg.đ□□□□,·,·,é

%ož“š

%ož“š, í AfŠf, [fg fffofCfX, Ü, ½, í Šf, [fg fRf“fsf... [f^, ©, ç' — M, ³, è, Ü, · BŽ © “ ®
%o»», ì, ½, ß, ì XfNfŠfvfg, ð ì ì —, ·, é, É, í AfŠf, [fg fffofCfX, ©, ç Ž ó M, ·, é %ož“š, ì “ à — e, ð ' m, Á, Ä, ç
, È, ·, è, î, È, è, Ü, ¹, ñ BŽ ó M, µ, ½, • ¶ Ž š, Ì Š Ô, É 2 • b ^ È ð ä, ì M f f f b f v, ², , é ð ê ð ð, í A, » , ì • ¶ Ž š — ñ, ¹ 1 , Â, ì
%ož“š, Æ, µ, Ä' — M, ³, è, ½, à, ì, Æ © ©, È, ³, è, Ü, · B, ±, ì M f f f b f v, í A %ož“š, ì ì — ¹, ð Ž ì, · — B ^ è, ì Ž è Š ì
, ©, è, Ä, · B ð Ú ð ×, É, Á, ç, Ä, í A ð u 2 • b Š Ô, ì M f f f b f v, ð Š Ü, p' ·, ç • ¶ Ž š — ñ, ì f u f ð f b f N, ð ð ^ — ð, ·, é ð v, ð Ž Q ð Æ, µ, Ä, -
, ¾, ³, ç ð B

ŠÖ ~ A ð € — Ú

RAS — p. ì f X f N f Š f v f g. ð ì ì —, ·, é

%ož“šfL□[f□□[fh

%ož“šs,lfL□[f□□[fh,Ā,í□AfŠf,□[fg fRf“fsf...□[f^,©,çŽó□M,μ,½%ož“š,É'í,μ,Ā□s,κ□^—□,ðŽw'è,μ,Ü,·□B

OK=remote computer response<macro>

Žw'è,μ,½%ož“š,Ü,½,lf}fNf□,ðŽó□M,·,é,Æ□AfXfNfŠfVfg,íŽŸ,ì□s,É□i,Ÿ,Ü,·□B

LOOP=remote computer response<macro>

Žw'è,μ,½%ož“š,Ü,½,lf}fNf□,ðŽó□M,·,é,Æ□AfXfNfŠfVfg,í'O,ì□s,É-β,è,Ü,·□B

CONNECT=remote computer response <macro>

□³□í,Èf,fff€ fXfNfŠfVfg,ì□ĀCEă,ĀŽg,ç,Ü,·□B^è”É,É□ASWITCH.INF ftf@fCf<,Ā,íŽg,ç,Ü,¹,ñ□B

ERROR= remote computer response <macro>

Žw'è,μ,½%ož“š,ðŽó□M,·,é,Æ□A”Ā—p,lfGf%□□[f□fbfZ□[fW,ð•\Ž!,μ,Ü,·□BfŠf,□[fg fRf“fsf...

□[f^,©,ç“Á'è,lfGf%□□[,ª•ñ□□,³,è,½□ê□‡,É□ARAS ft□[fU□□[,É'É'm,·,é,½,β,É-ð—š,¿,Ü,·□B

ERROR_DIAGNOSTICS= remote computer response <diagnostics>

fffofCfX,©,ç•Ö,³,è,½“Á'è,lfGf%□□[,ìCE'ö,ð•\Ž!,μ,Ü,·□B,·,x,Ā,fffofCfX,©,ç“Á'è,lfGf

%□□[,ª•ñ□□,³,è,é,í,-,Ā,Í, ,è,Ü,¹,ñ□BMicrosoft RAS ,Ā,íŽ-•Ē,Ā,«,È,ç“Á'è,lfGf

%□□[,ªfffofCfX,©,ç•Ö,³,è,é□ê□‡,í□AERROR= ,ðŽg,ç,Ü,·□B

NoResponse

fŠf,□[fg fffofCfX,©,ç%ož“š,ª—□M,³,è,È,ç□ê□‡,ÉŽg,ç,Ü,·□B

f□□[fjf< fRf“fsf...□[f^□ă,ì RAS ,í□AfŠf,□[fg fffofCfX,©,ç%ož“š,ª ,é,±,Æ,ðí,É'z'è,μ,Ā,ç,Ü,·□B,±

,ì,½,β□**ACOMMAND**= □s,ìŽŸ,É **NoResponse** fXfe□[fgf□f“fg,ª,È,çCEĀ,è□A

%ož“š,ðŽó□M,·,é,Ü,Ā'Ö,¿,Ü,·□B%ož“š,ÉŠÖ,·,éfXfe□[fgf□f“fg,ª **COMMAND**=

□s,ìŽŸ,É,È,ç□ê□‡,í□**ACOMMAND**= □s,ªŽĀ□s,³,è□AfXfNfŠfVfg,í,» ,±,Ā'âŽ~ ,μ,Ü,·□B

ŠÖ~A□€-Ú

RAS —p.ìfXfNfŠfVfg.ð□i□→,·,é

f}fNf

f}fNf, íA•s“™ □+ (< >) ,Á^í,Ý,Ü,·□Bf}fNf, íAZÿ,ì,æ,æ,È“ÁŽê,È<@“\,ðŽÀ□s,μ,Ü,·□B

<cr>

f\fffšfbfW fšf^□[f“ ,ð’}“ü,μ,Ü,·□B

<lf>

f%ofCf“ ftfB□[fh,ð’}“ü,μ,Ü,·□B

<match> "string"

^ø—p•,,,Á^í,Ü,é,½•¶Žš—ñ,æfffofCfX,ì%ž“š,ì†,ÉCE©,Á,©,é,Æ□A^è’v,μ,½,±,Æ,ð•ñ□□,μ,Ü,·□B,±
,ìf}fNf,Á,íA’â•¶Žš,Æ□→•¶Žš,æ<æ•È,³,é,Ü,·□B,½,Æ,ì,íA**<match>** "Smith" ,Á,íAJane Smith ,Æ
John Smith III ,í^è’v,μ,Ü,·,æ□ASMITH ,í^è’v,μ,Ü,¹,ñ□B

<?>

f□fCf<fhfj□[fh•¶Žš,ð’}“ü,μ,Ü,·□B,½,Æ,ì,íA**CO<?><?>2** ,íA**COOL2** ,Ü,½,í **COAT2**
,Æ,í^è’v,μ,Ü,·,æ□**ACOOL3** ,Æ,í^è’v,μ,Ü,¹,ñ□B

<hXX> (XX ,í 16 □i□)

"C^Ó,ì16 □i□",ðŽw’è,Á,«,Ü,·□Bf[f□ fofCfG,íA**<h00>** ,É,È,è,Ü,·□B

<ignore>

%ž“š,ì,æ,ì,Á□A,±,ìf}fNf,æ,èCEä,ì•"•æ,ð-³Ž<,μ,Ü,·□B

<diagnostics>

"Á’è,ìfGf%□□[í•ñ,ðfffofCfX,©,ç RAS ,É“n,μ,Ü,·□B,±,ìf}fNf,ðŽg,æ,Æ□A“Á’è,ìfGf%□□[ð RAS
ft□[fU□[,É’È’m,Á,«,Ü,·□B“Á’è,ìfGf%□□[,ð’È’m,μ,È,ç□é□‡,íA“Á—p,ìfGf%□□[f□fbfZ□[fW,æ•\Ž!,³,é,Ü,·□B

ŠÖ~A□€-Ú

"F□Øf}fNf

RAS —p,ìfXfNfšfvg,ð□i□→,·,é

"F0f}fNf

ŽŸ,lf}fNf,đŽg,æ,ÆAfU[fU[-¼,ÆfpfXf[fh,lfOfIf" fAfffEf"fgî•ñ,đfŠf,lf fRf"fsf...
[f^,ÉŽ©"®"l,É"n,·,±,Æ,ª,À,«,Ü,·B

<username>

RAS ,ì [] ,Ö,ìÚ'±] fEfBf"fhfE,É"ü—í,³,ê,½ft[fU[-¼,đfŠf,lf fRf"fsf...[f^,É'—M,µ,Ü,·B,±
,lf}fNf,íASLIP Ú'±,À,lfTf[f,³,ê,À,ç,Ü,¹,ñB

<password>

RAS ,ì [] ,Ö,ìÚ'±] fEfBf"fhfE,É"ü—í,³,ê,½fpfXf[fh,đfŠf,lf fRf"fsf...[f^,É'—M,µ,Ü,·B,±
,lf}fNf,íASLIP Ú'±,À,lfTf[f,³,ê,À,ç,Ü,¹,ñB

ŽŸ,ì—¼•û,ìđCE,ª—š,·,éê±,íAfOfIf"

fAfffEf"fgî•ñ,ì"F0,ªŽ, "s,µA[ft[fU[,ìÄ"F0't] f_fCfAf_fo f{fbfNfX,ª•Ž!,³,ê,Ü,·B

- '±%î,lfZfLf...fŠfefB fffofCfX,đ%î,µ,ÄVfXfef€,đCEÄ,Ño,·ê±B(RAS ,đŽg,À,ÄfCf"f^ [f]fbfB
fvf[fOfCf_,đCEÄ,Ño,·ê±,íA'ÉíA,±,ìó<µ,É,í"–,À,í,Ü,è,Ü,¹,ñB)
- fZfLf...fŠfefB fffofCfX,ÉfOfIf",µ,½CEã,ÉAWindows NT RAS fT[fO[,ÉfOfIf",µ,æ,æ,Æ,·,éê±B
[ft[fU[,ìÄ"F0't] f_fCfAf_fo f{fbfNfX,ª•Ž!,³,ê,é,ì,íARAS ,ì [] ,Ö,ìÚ'±] f_fCfAf_fo f{fbfNfX,ì
[ft[fU[-¼] f{fbfNfX,Æ [fpfXf[fh] f{fbfNfX,ªAWindows NT RAS fT[fO[,ÀŽg,í,è,é,¾,–,À,È,-
AfU[fU[-¼,ÆfpfXf[fh,ÉŠÖ,·,é 2 ,À,lf}fNf,À,àŽg,í,è,é,½,ß,À,·B
,½,Æ,ì,íAWindows NT RAS fT[fO[,Æf,fff€,ìŠÖ,É'±%î,lfZfLf...fŠfefB fffofCfX,ª, ,é,Æ,µ,Ü,·BfZfLf...
fŠfefB fffofCfX,lfOfIf"î•ñ,À,íAfU[fU[-¼,ª "BB318" ,ÀAfpfXf[fh,ª "34554377"
,À, ,èAWindows NT RAS fT[fO[,lfOfIf"î•ñ,À,íAfU[fU[-¼,ª "BB318" ,ÀAfpfXf[fh,ª
"treehouse" ,À, ,é,Æ,µ,Ü,·B,±,ìê±A'±%î,lfZfLf...fŠfefB
fffofCfX,Ö,lfOfIf",í—CE+,µ,Ü,·ªAWindows NT RAS fT[fO[,Ö,lfOfIf",íŽ, "s,µ,Ü,·B
fOfIf",ªŽ, "s,·,é,ì,íAfZfLf...fŠfefB fffofCfX,lfpfXf[fh,ì "34554377" ,ªAWindows NT
fhfOfCf",lfpfXf[fh,Æ,í'Ü,È,é,½,ß,À,·B,±,ì,½,ßAWindows NT ,íA[ft[fU[,ìÄ"F0't] f_fCfAf_fo
f{fbfNfX,đ•Ž!,µAWindows NT ,ì³,µ,çfOfIf" fAfffEf"fgî•ñ (·,±,ìê±,íAfpfXf[fh) ,đ-
â,ç±,í,¹,Ü,·B

[ft[fU[,ìÄ"F0't] f_fCfAf_fo f{fbfNfX,đ•Ž!,µ,È,ç,æ,æ,É,·,é,É,í

- fvXfef€ŠÇ—ŽÖ,É^È—Š,µA—¼•û,lfVfXfef€,lf[fU[-
¼,ÆfpfXf[fh,đ"–,¶,É,µ,Ü,·B(,½,¾,µA,±,è,À,lfZfLf...fŠfefB fffofCfX,đY'u,µ,½^Ó–j,ª,È,-
,É,é,ì,ÀA,¶s,À,«,é•û–@,À,í, ,è,Ü,¹,ñB)
- '±%î'·u,lfOfIf" fAfffEf"fgî•ñ,É<æ–p,lf_fCfAf_fo f{fbfNfX,đŽg,í,È,ç,À,-
,¾,³,çB,» ,ì'â,í,è,ÉASWITCH.INF ftf@fCf<,ì [Generic login] fXfNfŠfvfg,É],A,ÀAfU[fU[-
¼,ÆfpfXf[fh,đNfŠfA fefLxf,À SWITCH.INF ftf@fCf<,É<Lq,µ,Ü,·BfNfŠfA fefLxf,fpfXf[fh,ì<@-
s,đ•ÜŽ,·,é,É,íAWindows NT ftf@fCf< fvXfef€ (NTFS) ,lfTf@fCf< fAfNfZfXCE ,đY'è,µA,Ü,©,lf[fU[,ª,±
,lfTf@fCf<,ÉAfNfZfX,À,« ,È,ç,æ,æ,É,µ,È,–,é,ì,È,è,Ü,¹,ñB

fXfNfŠfVfg,ì<Lq—á

,±,±,Á,ÍARAS ,É•t'® ,.é SWITCH.INF ftf@fCf<,Á'ñ<ÿ,³,ê,éA"Ä—p,ìfXfNfŠfVfg,ìŠe•"•ª,É,Á,ç,Äà-
¾,µ,Ü,·B

ŠefXfNfŠfVfg,É,ÍAæª,ÉfŠf,[]fg fRf"fsf...[]f^,Ö,ìfRf}f"fh,ð<Lq,µAZÿ,É 1 []s^Èã,ì
%ž"š[]s,ð<Lq,µ,Ü,·B½,,ìê[]A,±,ìæª,ìfRf}f"fh,ÍAfŠf,[]fg fRf"fsf...[]f^,ª%Šú%»»,³,êAf[]fOfIf"
fvf[]f"fvfg,ð'—M,·,é,Ü,Á'Ò,Á,æ,ª,ÉAfNf%ofCfAf"fg,ÉŽwŽ!,·,é,¾,¯,Á,·BSù'è,ìÿ'è,Á,ÍA2 •bŠÔf[]fOfIf"
fvf[]f"fvfg,ð'Ò,¿,Ü,·BSWITCH.INF ftf@fCf<,É,ÍAZÿ,ì,æ,ª,É<Lq,µ,Ü,·B

COMMAND=

%ž"š (fŠf,[]fg fRf"fsf...[]f^,©,ç'—M,³,ê,é[]fOfIf" fvf[]f"fvfg) ,ªŽÿ,ì,æ,ª,Èê[]A

Welcome to Gibraltar Net. Please enter your login:

SWITCH.INF ftf@fCf<,ì'í%ž,·,é%ž"š[]s,É,ÍAZÿ,ì,æ,ª,É<Lq,µ,Ü,·B

OK=<match>"Please enter your login:"

"Please enter your login:" ,Æ,ç,ª•¶Žš—ñ,ªfŠf,[]fg fRf"fsf...[]f^,©,ç'—M,³,ê,½ê[]#,ÍA—à'è,È,ç
,Æ">'f,µAZÿ,ì^—,É,í,ÿ,Ü,·Bft[]fU[][-¼,ÉfLfffŠfbfW fŠf^[]f",ð•t,¯%Á,ì,½•¶Žš—
ñ,ðfRf}f"fh,Æ,µ,Ä'—M,µAfŠf,[]fg fRf"fsf...[]f^,É%ž"š,µ,Ü,·B

COMMAND=MariaG<cr>

fŠf,[]fg fRf"fsf...[]f^,©,ç,ì%ž"š,ªŽÿ,ì,æ,ª,Èê[]A

Please enter your password:

SWITCH.INF ftf@fCf<,ì'í%ž,·,é%ž"š[]s,É,ÍAZÿ,ì,æ,ª,É<Lq,µ,Ü,·B

OK=<match>"Please enter your password:"

fpfXf[]f[]fh,ð'—M,·,é,É,ÍAZÿ,ì,æ,ª,ÈfRf}f"fh,ð'—M,µ,Ü,·B

COMMAND=mUs3naB<cr>

,±,ì,æ,ª,ÈfXfNfŠfVfg,ðŽg,ª,ÆA'½,,ì PPP fRf"fsf...[]f^,ÉŽ©"®"I,Éf[]fOfIf",Á,«,Ü,·B

ŠÖ~A[]€-Ú

SLIP fRf"fsf...[]f^,Ö,ìf[]fOfIf",ðŽ©"®%»»,·,é

RAS —p.ìfXfNfŠfVfg.ð[]-.,·,é

SLIP fRf“fsf...[]f^,Ö,lf[]fOfif“,đŽ©“®%»,.·,é

Ā, Ñ, μ, ž, É, ASLIP fvf[]fofCf_, ©, ç- ^%ñ“ ~, ¶ IP fAfhfCfX, Š,, è“- , Ā, ç, ê, é[]ê[]‡, Í[]A[SLIP TCP/IP , Ì[]Ý'è] f_fCfAf[]fO f{fbfNfX, ÉfAfhfCfX, đ“ ü—Í, ·, é, ±, Æ, É, æ, è[]ASLIP []Ú'±, đŠ®'S, ÉŽ©“®%» , Ā, «, Ü, ·[]B

Ā, Ñ, μ, ž, É[]A- ^%ñ^ Û, È, é IP fAfhfCfX, Š,, è“- , Ā, ç, ê, é[]ê[]‡, Í[]A[]f[]fOfif“ Žè[]‡, Ì'â•” •ª, đŽ©“® %» , Ā, «, ½, Æ, μ, Ā, à[]ASLIP , Ìf^[]f~fif< fEfBf“fhfE, Ā IP fAfhfCfX, đŽè“® , Ā“ü—Í, μ, È, ~, ê, Î, È, è, Ü, ¹, ñ[]B

2 • bŠŌ, ìfMfffbfv, đŠŮ, p' ., ç • ŋŽš—ñ, ìfufƒbfN, đŋ^ —, ., é

fšf. ƒfg fRf"fsf... ƒf^, ©, çŽóM, μ, ½%ž"š, ìfƒƒf^ fXfgfšƒƒf€, ì't, É 2 • bŠŌ, ìfMfffbfv, , é ƒé ƒŋ ƒARAS
, ìA, » , ìfMfffbfv, đ%ž"š, ì—1, ÆCE ©, È, μ, Ü, . ƒB, ±, ì, æ, » , ÈfMfffbfv, ìA'PCEè, Æ'PCEè, ìŠŌ, È, ÇA, Ç, ì, æ, »
, È ƒé ƒš, È, Á, à ƒŋ, ŋ, é%Ō"ŋ« , , è, Ü, . ƒB, μ, ©, à ƒfMfffbfv, , ƒŋ, ŋ, ½, ±, Æ, đCEŸƒo, ., é, È, ìA ƒDEVICE.LOG
, đŽg, í, È, , è, ì, È, è, Ü, , ñ ƒB ƒŮ ƒx, È, Á, ç, Ä, ìA ƒu ƒDEVICE.LOG , È, æ, é ƒXfNfšƒfvfg, ìfgf%ƒfƒƒfVf...
ƒ[ƒefBf"ƒOƒv, đŽQƒÆ, μ, Ä, , ¾, ¾, ç ƒB

ƒŋ ƒ, μ, ½ ƒXfNfšƒfvfg, , "Á, È—ƒ—R, à, È, fGf%ƒ[, È, È, é ƒé ƒŋ , ìA ƒDEVICE.LOG , đ'², x ƒA'PCEè, ì"r't, Á
%ž"š, , "t'f, ¾, è, Á, ç, È, ç, ©, Ç, » , ©, đŠm"ƒ, μ, Ä, , ¾, ¾, ç ƒB%ž"š, , "t'f, ¾, è, Á, ç, é ƒé ƒŋ , ìA ƒXfNfšƒfvfg, Á 2
• bŠŌ, ìfMfffbfv, đŋ|—ŋ, μ, È, , è, ì, È, è, Ü, , ñ ƒB, » , ì, ½, ß, ìŠÉ'P, È • ū-@ , Æ, μ, Ä ƒAŽŸ, ìfRf}ƒ"fh, đŽg, ç, Ü, . ƒB

COMMAND=<cr>

LOOP= fLƒfƒƒƒƒf, đŽg, Á, Ä ƒfufƒbfN, ìA ƒÆä, Á • ŋŽš—ñ, đ"äŠr, ., é, ±
, Æ, È, æ, è ƒA • Ĩ" , ìfMfffbfv, đŠŮ, p' ., ç • ŋŽš—ñ, ìfufƒbfN, đŋ ƒÆä, Ü, Á ƒfLƒbfv, Á, «, Ü, . ƒB, ½, Æ, ì, ìA ƒAŽŸ, ì, æ, »
, È Žw'è, μ, Ü, . ƒB

COMMAND=<cr>

OK=<match>"Enter the service to start:"

LOOP=<ignore>

, ±, ì—á, Á, ìA, Ü, , %½, à ƒs, í, È, ç (2 • bŠŌ'Ō, Á) fRf}ƒ"fh, đ'—M, μ, Ü, . ƒB ŽŸ, È ƒA"Enter the service to
start:" , Æ, ç, ƒfƒbfZƒ[ƒW, đ'Ō, ì, Ü, . ƒB%ž"š, , "t'f, ç • ŋŽš—ñ, ìfufƒbfN, ì ƒé ƒŋ ƒA-Ú" ì, ì • ŋŽš—ñ, , ƒCE ©, Á, ©, ç, È, ç
, Æ ƒAŽŸ, ì LOOP fRf}ƒ"fh, È ƒi, Ý, Ü, . ƒB LOOP fRf}ƒ"fh, È, æ, Á, Ä'Ō, ì ƒs, È-ß, è ƒA2 "Ō-Ú, ì%ž"š, Á "Enter the
service to start:" , Æ, ç, ƒfƒbfZƒ[ƒW, đ'Ō, ì, Ü, . ƒB, ±, ì • ū-@ , Á ƒA' ., ç • ŋŽš—ñ, ìfufƒbfN'S'ì, đŠm"ƒ, μ ƒA-
Ú" ì, ì • ŋŽš—ñ, đŽæ"¾, ., é, ±, Æ, , Ä, «, Ü, . ƒB

ŠŌ~Aƒ€-Ú

RAS —p, ìfXfNfšƒfvfg, đŋ ƒŋ ƒ, ., é

fRf}f“fh,ÆfLfffŠfbfW fŠf^[]f“

'Ê[]AfRf}f“fh,ì[]ÅCEä,É,í[]AfLfffŠfbfW fŠf^[]f“,ð•\,· <cr> ,ð'}“ü,µ,Û,·[]BfLfffŠfbfW fŠf^[]f“,ðŽg,⌘
,Æ[]A,»,)fRf}f“fh,í'¼,¿,ÉfŠf,[]fg fRf“fsf...[]f^,É^—[],è,Û,·[]B<cr> ,ðŽg,í,È,ç,Æ[]AfŠf,[]fg fRf“fsf...
[]f^,ÅfRf}f“fh,a“FŽ~,³,è,È,ç,±,Æ,ª, ,è,Û,·[]B

^ê•û[]AfŠf,[]fg fRf“fsf...[]f^,ª[]AfLfffŠfbfW fŠf^[]f“,ð”º,í,È,çfRf}f“fh,ðŽó,~Žæ,è[]AfRf}f“fh,ð^—
[],·,éŽžŠÖ,ð•K—v,Æ,·,éê[]‡,í[]A<cr> ,ðŽg—p,Å,«,Û,¹,ñ[]B,±,è,í[]AZž,É[]A
%ž“š,ð'z'è,¹,,É^ê~A,)fRf}f“fh,ð'—[]M,·,éê[]‡,È,Ç,É"—,Ä,Í,Û,è,Û,·[]B

ŠÖ~A[]€-Ú

RAS —p,ífXfNfŠfvg,ð[]i[]-,·,é

SWITCH.INF ,đŽÀ□s,·,é

SWITCH.INF ,ÉfXfNfŠšfvg,đ□i□-,μ,½CEă,Ā□AfXfNfŠšfvg,đŽÀ□s,·,é,æ,π,É RAS ,İfGf“fgfŠ,đ□\□-,μ,Ü,·□B

Windows NT ,ĀfXfNfŠšfvg,đŽÀ□s,·,é,É,Í

- 1 f_fCf,,f<fAfbfv flfbfgf□□[fN,Ā□A□Ú'±□æ,İfGf“fgfŠ,đ'ı'đ,μ,Ü,·□B
- 2 [,»,'¼] ,đfNfŠšfbfN,μ□A[fGf“fgfŠ,Æf,ff€,İvf□pfefB,İ•Ö□W] ,đfNfŠšfbfN,Ü,·□B
- 3 [fXfNfŠšfvg] f^fu,Ā□A[ŽŸ,İfXfNfŠšfvg,đŽÀ□s,·,é] ,đ'ı'đ,μ□AfXfNfŠšfvg-¼,đ'ı'đ,μ,Ü,·□BSWITCH.INF ,İfZfNfVf†f“ fwfbf_□[,əfXfNfŠšfvg-¼,Æ,μ,Ā•\Ž!,³,è,Ü,·□B
[fXfNfŠšfvg,İ•Ö□W] ,đfNfŠšfbfN,·,é,Æ□AfXfNfŠšfvg,đ•Ö□W,·,é,±,Æ,à,Ā,«,Ü,·□B
- 4 [OK] ,đfNfŠšfbfN,μ□AŽŸ,É [f_fCf,,f<] ,đfNfŠšfbfN,μ,Ü,·□B

,±,İfGf“fgfŠ,Éf_fCf,,f<,·,é,Æ□A'ı'đ,μ,½fXfNfŠšfvg,É,æ,è□AfŠf,□[fg
fzfXfg,Éf_fCf,,f<,·,é'Ö,Ü,½,İf_fCf,,f<,μ,½CEă,É□AfŠf,□[fg fffofCfX,Æ,İ,·,x,Ā,ı'Ê□M,əŽÀ□s,³,è,Ü,·□B
ŠÖ~A□€-Ú

RAS —p,İfXfNfŠšfvg,đ□i□-,·,é

DEVICE.LOG ,É,æ,éfXfNfŠšfvg,İfgf%øfuf<fVf...□[fefBf“fO

DEVICE.LOG ,É,æ,éfXfNfŠfVfvg,lfvgf%ofuf·fVf...[fefBf“fo

Windows NT ,Á,ÍARAS Af,fff€A, ,æ,ÑfŠf, [fg fffofCfX,İŠÖ,ÁCEđŠ, ,é,Ä,ç ,é,·,x,Ä,İÉM Af,ñ,lf fO,đŽúW,Á,«,Ü,·Bf fO,É,Í AfŠf, [fg fffofCfX, ©,ç·ñ ,é,éfGf % [,àŠÜ,Ü,è,Ü,·B,±,lf fO,É,æ,è AfXfNfŠfVfvg,İ“ @İ,đ-W,°,é áŠQ,đCE @,Á, ,é,±,Æ,ª,Á,«,Ü,·B DEVICE.LOG ftf@fCf<,đİİ-,·,é,É,Í AfCEfWfXfgfŠ,Áf fO,İŽúW,đ—LCEø,É,µ,Ü,·Bf fO,İŽúW,đ—LCEø,É,·,é,Æ Asystemroot\SYSTEM32\RAS fffBfCEfNfgfŠ,É DEVICE.LOG ftf@fCf<,ªİİ-, ,é,Ü,·B

DEVICE.LOG ftf@fCf<,đİİ-,·,é,É,Í

- 1 ,·,x,Ä,İÚ'±,đØ'f,µAŽY,Éf_fCf,,f·fAfbfv flfbfgf [fN,đİ—¹,µ,Ü,·B
- 2 REGEDT32.EXE ,đŽÁs,µ AfCEfWfXfgfŠ fGfffBf^ ,đ·N“ @,µ,Ü,·B
- 3 fCEfWfXfgfŠ,ÁAŽY,İfL [,ÉfAfNfZfX,µ,Ü,·B

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan\Parameters

- 4 ŽY,İ,æ,µ,É ALogging fpf%of [f^ ,İ'İ,đ 1 ,É·İX,µ,Ü,·B

Logging:REG_DWORD:0x1

- 5 fCEfWfXfgfŠ fGfffBf^ ,đİ—¹,µ,Ü,·B

fŠf, [fg fAfNfZfX,đÄ“xŠJŽn,·,é, ©A,Ü,½,Í Remote Access Server fT [frfX,đŠJŽn,·,é,Æ (fRf“fsf... [f^ ,æÄ,Ño,µ,đŽó, ,é'æ,İèè#) Af fO,İŽúW,ªŠJŽn, ,é,Ü,·B Windows NT ,đVfffbfgf_fEf“ ,µ,ÄÄ·N“ @,·,é·K—v,Í, ,è,Ü,¹,ñ B

f_fCf,,f,µ,ÄÚ'±,·,é,Æ AfXfNfŠfVfvg,ªŽÁs, ,é,Ü,·B fXfNfŠfVfvg,İŽÁs't,ÉfGf% [,ª“- [¶,·,é,Æ AfXfNfŠfVfvg,İŽÁs,İ'tŽ~ , ,é,Ü,·B,±,İ,æ,µ,Éèè# ,ÍARAS ,đİ—¹,µ AfefLfXfg fGfffBf^ ,đŽg,Á,Ä DEVICE.LOG ,đ·Žİ,µA-â'è,İ%ÓŠ,đ'T,µ,Ä, ,¾,¾,ç B u·sŠ@'S,È SWITCH.INF fXfNfŠfVfvg,İ— áv,Á,ÍA·sŠ@'S,ÉfXfNfŠfVfvg,Æ AÚ'±,ªŽ,“s,µ,½,Æ,«,Éİİ-, ,é,é DEVICE.LOG ,É,Á,ç,Äà-¾,µ,Ä,ç ,Ü,·B

- ' B RAS ,Ü,½,Í Remote Access Server fT [frfX,đ'âŽ~ ,µ,ÄÄ“xŠJŽn,µ,É,çÆÄ,èA,·,x,Ä,İÄÄ,Ño,µ,İ·L~ ^ ,ª DEVICE.LOG ,É'Ç %Á, ,é,Ü,·B,±,İ,½,ß ACEä,Á² [,µ,½,èA-â'è,đ%đCE^ ,µ,½,è,·,é,½,ß,İd—v,Èİ'ñ,ª DEVICE.LOG ftf@fCf<,ÉŠÜ,Ü,è,éèè# ,ÍA,±,İftf@fCf<,İfRfs [,đİİ-,µA,Ü, ©,İ- ¼'0,đ·t, ,Ä·Ü'¶,µ,½CEä,ÁARAS ,Ü,½,Í Remote Access Server fT [frfX,đÄ“xŠJŽn,µ,Ü,·B

ŠÖ~A [€-Ú

·sŠ@'S,È SWITCH.INF fXfNfŠfVfvg,İ—á

DEVICE.LOG ,İ—á

RAS —p.İfXfNfŠfVfvg,đİİ-,·,é

SWITCH.INF ,đŽÁs,·,é

•sŠ®'S,È SWITCH.INF fXfNfŠfVfg,ì—á

ŽŸ,lfXfNfŠfVfg,íAÚ±,μ,æ,π,Æ,μ,½fT[fXf,É'í,μ,Ä³í,É"®ì,μ,È,ç•sŠ®'S,È—á,Å,·BDEVICE.LOG
,ÉfO,ðŽûW,·,é,æ,π,ÉÝ'è,μ,Ä,±,lfXfNfŠfVfg,ðŽÀs,μ,½Æ<%oÉAfŠf,lf fRf"fsf...

[f^,afXfNfŠfVfg,©,ç,³,ç,ÉfRf}f"fh,ðŽó, Žæ,é,±,Æ,ð'z'è,μ,Ä,ç,é,±
,Æ,ª,í,©,è,Ü,μ,½B¶¶¬,³,è,½fO,ì'So—í,É,Ä,ç,Ä,íA[uDEVICE.LOG,]—áv,ðŽQÆ,μ,Ä,,¾,¾,çB

[Gibraltar Net Login for MariaG]

; fŠf,lf fRf"fsf...[f^,ð%Šú%o»,·,éÅ%o,lfRf}f"fhB

COMMAND=

; fOflf" fvf"fvfg,Ü,ÄfXfLfbfv,·,éB

; ,Ä,Ü,èAfOflf" fvf"fvfg,ðŽæ"¾,·,é,Ü,ÄA

; 2 •bŠÖ,lfMfffbfv,Ä•š,,³,è,½•¶Žš—ñ,lfufbN,ðCEJ,è•Ö,μŽóM,·,éB

OK=<match>"Login:"

LOOP=<ignore>

; fŠf,lf fRf"fsf...[f^,Éft[fU[-¾,ð'—M,·,éB

COMMAND=MariaG<cr>

; 2 •bŠÖ,lfMfffbfv,ª,È,ç,ì,ÄA'¾,¿,É "Password:" ,Æ"äŠr,·,éB

OK=<match>"Password:"

; fŠf,lf fRf"fsf...[f^,ÉfpfXf[fh,ð'—M,·,éB

COMMAND=mUs3naB

ŠÖ~A€-Ú

DEVICE.LOG,ì—á

DEVICE.LOG ,ì—á

ŽŸ,ÉŽ!,.,ì,íA•sŠ@‘S,ÉfXfNfŠfvg,ðŽÀ□s,μ,½,Æ,«,É□□—,³,ê,½ DEVICE.LOG
ftf@fCf<,Å,·BfRf□f“fg□s,í□Aftf@fCf<,ì“à—e,ð,í,©,è,â,.,.,é,½,ß,É□Aftf@fCf<,ì□¶□—CEã,É‘Ç
%oÁ,μ,½fRf□f“fg,Å, ,é,±,Æ,É‘□^Ó,μ,Ä,,¾,³,ç□B

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; ,±,ìfZfNfVf+“f“,í□ARAS ,Æf,fff€,ìŠÒ,ì‘É□M“à—e□B

Port:COM1 Command to Device:AT&F&C1&D2 W2\G0\J0\V1 S0=0 S2=128 S7=55

Port:COM1 Echo from Device :AT&F&C1&D2 W2\G0\J0\V1 S0=0 S2=128 S7=55

Port:COM1 Response from Device:

OK

Port:COM1 Command to Device:AT\Q3\N7%COM1

Port:COM1 Echo from Device :AT\Q3\N7%COM1

Port:COM1 Response from Device:

OK

; fŠf,□[fg fRf“fsf...□[f^,Éf_fCf,,f<.,éfRf}f“fh,ðŽÀ□s,μ□A□Ú‘±,É□—CE÷,.,é□B

Port:COM1 Command to Device:ATDT1 206 555 5500

Port:COM1 Echo from Device :ATDT1 206 555 5500

Port:COM1 Response from Device:

CONNECT 14400/REL

Port:COM1 Connect BPS:19200

Port:COM1 Carrier BPS:14400

; □Å□%o,ì null fRf}f“fh,ðfffofCfX,É‘—□M,.,é□B

Port:COM1 Command to Device:

Port:COM1 Response from Device:

[2J[H

Welcome to Gibraltar Net, a service of: Trey Computing, Inc.

Problems logging in? Call us at 555-5500 between 8:00am and 8:00pm Mon-Sat.

NOTE: Your software must support VT100 (or higher) terminal emulation!

Port:COM1 Response from Device:P

; □ã,ì□s,í□A"Please" ,Æ,ç,æ‘PCEê,ì“r’t,É

; 2 •bŠÒ,ìfMffffbfv,â, ,é,±,Æ,ðŽ!,μ,Ä,ç,Ü,·□B

; fXfNfŠfvg,âŽ,“s,μ□A□ã,ì□s,ì%ož“šCEã,É DEVICE.LOG ,â□|—¹,μ,Ä,ç,é□é□‡,í□A

; ,±,ì 2 •bŠÒ,ìfMffffbfv,ðfXfNfŠfvg,Å□|—¶,μ,È, ,é,ì,È,è,Ü,¹,ñ□B

; null ,ì COMMAND= □s□A

; Ü,½,í OK=response ,Æ LOOP=<match> ,ì’g,Ý□‡,í,¹,ðŽg,ç,Ü,·□BOK=response AND LOOP=<match>
COMBINATION.

Port:COM1 Response from Device:lease turn OFF your Caps Lock if it is on now.

Please enter your login name and password at the prompts below.

- Log in as "guest" to take a look around the system.

- Log in as "new" to create an account for yourself.

Login:

; ft[fU[-¼,ðfRf}]f“fh,Å’—M,·,éB
Port:COM1 Command to Device: MariaG
Port:COM1 Echo from Device : MariaG
Port:COM1 Response from Device:
Password:

; fpfXf[fh,ðfRf}]f“fh,Å’—M,·,éB
Port:COM1 Command to Device: mUs3naB
Port:COM1 Echo from Device : mUs3naB

; fšf,[fg fRf“fsf...[f^,Å,íAfOjCf“Žè±,æP±³,è,Ü,·,ªA
; fXfNfšfvfg,í,±,è^Èã’±s,³,è,Ü,¹,ñB
; Ž“@fOjCf“,íA,±,ìŽž“_,ÅŽ,“s,µ,Ä,ç,Ü,·B
Port:COM1 Response from Device:

,±,ífXfNfšfvfg,íA½,,ífšf,[fg fRf“fsf...[f^,Å,í³í,É“@i,µ,Ü,·B,µ,©,µA,±,ífšf,[fg fRf“fsf...
[f^,ìè±,íA,æ,è¹²,,ì%ž“š,ð’—M,µAfT[fRfX,ðšŽn,·,éfRf}]f“fh,ìŽóM,ð’z’è,µ,Ä,ç,Ü,·B,±
,ífXfNfšfvfg,ðš@-³,¹,é,É,íAfšf,[fg fRf“fsf...[f^,©,ç,ì%ž“š,ì±,«,ð’m,Á,Ä,ç,È,¯,è,Î,È,è,Ü,¹,ñBRAS
f^ [f~fif<,ðžg,Á,Äžè“@,ÅfOjCf“,·,é,ÆAfOjCf“Žè±,ì±,«,íAZÿ,ì,æ,æ,É,È,è,Ü,·B

Gibraltar Net offers you several network services:

Service

-
- SHell
- UPload
- DOwnload
- PAssword
- PPP
- SLIP

Please enter a service:

,µ,½,ª,Á,ÄAZÿ,ìs,ð’Ç%Á,µ,ÄfXfNfšfvfg,ðš@-³,¹,Ü,·B

COMMAND=<cr>

OK=<match>"Please enter a service:"

LOOP=<ignore>

ã,ìs,ðfXfNfšfvfg,É’Ç%Á,µ,½æãARAS ,ðÄ“xšŽn,µ,Äfšf_fCf,,f<,·,é,ÆAÚ’±,ª-CE÷,µ,Ü,·B
RAS ,ì”Ä—p,ífXfNfšfvfg,ª³í,É“@i,µ,È,çè±,íA,±,è,ç,ífKfCfhf%oCf“,É%o^,Á,ÄAÚ’±
,ª-CE÷,·,é,æ,æ,ÉfXfNfšfvfg,ðC³,µ,Ä,,¾,¾,çB,Ü,·A”Ä—p,ífXfNfšfvfg,ð SWITCH.INF
,ì--“ö,ÉfRfs[.,µAZÿ,ÉÚ’±óµ,É±,í,¹,ÄfRfs[.,ðC³,µ,Ü,·B

ŠÖ~A€-Ú

•sŠ@‘S,È SWITCH.INF fXfNfšfvfg,ì—á

,Ü, ©, Ì Microsoft RAS fNf%ofCfAf“fg,ÁfXfNfŠfvg,ðŽg,æ

Microsoft RAS Version 1.0 (LAN Manager □ã,ÁŽÀ□s,³,ê,Ü,·) ,Á,Í□ARAS f^□[f~fif<,ð<N“ © ,μ,½,è□A.INF
ftf@fCf<,ìfXfNfŠfvg,ðŽg,Á,½,è,·,é,±,Æ,Í,Á,«,Ü,¹,ñ□B

Microsoft RAS Version 1.1a (LAN Manager □ã,ÁŽÀ□s,³,ê,Ü,·) ,Á,Í□APAD.INF ,ì,Ý,ðfTf|□[fg,μ,Ä,ç,Ü,·□B,±
, Ì PAD.INF ftf@fCf<,ì□\•¶,í□AMicrosoft RAS ,ìÆã,ìfo□[fWf†f“,Æ,Í,í,·,©,É^Ü,È,é,±,Æ,É'□^Ó,μ,Ä,,³/₄,³,ç□B

Windows NT Version 3.1 ^È□~ ,ì Microsoft RAS ,Á,Í□ARAS f^□[f~fif<,Æ□ASWITCH.INF ,” ,æ,Ñ PAD.INF
,ìfXfNfŠfvg,ðfTf|□[fg,μ,Ä,ç,Ü,·□B

3/4f,fff€,iŠT—v

,±,±,Ä,íAŠf,[]fg fAfNfZfX fT[]frfX,ÄfTf[]fg,³,é,Ä,ç,È,çf,fff€,ÉŠÖ,·,éî•ň,đ'ň<Ÿ,μA f,fff€,ìfXfNfŠfVfg
ftf@fCf< MODEM.INF ,ìC³•ú-@,đà-³/₄,μ,Ü,·B,±,ìfXfNfŠfVfg ftf@fCf<,É,íAŠf,[]fg fAfNfZfX
fT[]frfX,ÄfTf[]fg,³,é,Ä,ç,éŠeŽif,fff€,ìî•ň,^aLq,³,é,Ä,ç,Ü,·B,±,ìftf@fCf<,đŽŸ,ìéî†^ÉŠÖ,ì—
R,ÄC³,μ,È,ç,Ä,³/₄,³,çB

- fTf[]fg,³,é,Ä,ç,È,çf,fff€—p,ìfZfNfVf†f“,ì'Ç%Á,·,ééî†
- f,fff€,ìÄ'â'ÉM'—“x,đ 57600bps (frfbfg/•b) ,Éä,°,é,È,ÇAŠù'¶,ìfGf“fgfŠ,đŠg'£,·,ééî†

fTf[]fg,³,é,Ä,ç,È,çf,fff€,đŽg,α,¹/₂,β,É MODEM.INF ,đC³,·,é•ú-@,É,Ä,ç,Ä,íA[]uf,fff€,ìfXfNfŠfVfg
ftf@fCf<,iŠT—v[]v,đŽQ[]E,μ,Ä,³/₄,³,çB

Ä'â,ì³[]kEø—!,đ³/₄,é,¹/₂,β,É,„§,·,éŽ-[]E,É,Ä,ç,Ä,íA[]u³[]k,ÉŠÖ,·,éŽw[]j[]v,đŽQ[]E,μ,Ä,³/₄,³,çB

f,fff€,lfzfbfgfAfbfv,İŠT—v

f_fCf,,f<fAfbfv flfbfgf□□[fN,Á,Í□Af,fff€,İ□«”\,đ□\•ª,ÉŠ^—p,Á,«,<é,æ,ɤ,É□AZÏ,Ì,æ,ɤ,È,³,Ü,´,Ü,È<@”\,ªfTf] □[fg,³,è,Ä,ç,Ü,·□B

- fn□[fhfEfFfA.ftf□□[□\$CEä
- f,fff€,É,æ,éfGf%□□□\$CEä
- f,fff€,É,æ,éff□[f^³□k
- f,fff€ fRf}f“fh,İŽè”@“ü—Í
- 14,400bps□A19,200bps□A28,800bps□A,“,æ,Ñ 38,400bps (,³,ç,É□A□é□‡,É,æ,Á,Ä,Í 57,600bps ,à) ,İ□,´—É□M

Žg—p,.,éf,fff€,Í□□wWindows NT fn□[fhfEfFfACEÝŠ·□«fŠfXfg□x,đŽQ□Æ,μ□A,Á,«,<é,¾,~ Windows NT ,ÁfTf]□[fg,³,è,Ä,ç,é<@Ží,©,ç‘l,Ô,æ,ɤ,É,μ,Á,,¾,³,ç□B,±,lfŠfXfg,É<“°,ç,è,Ä,ç,éf,fff€,Í□AMicrosoft ŽĐ“à,İfefXfg,É,“,ç,ÁfŠf,□[fg fAfNfZfX f\ftfgfEjFfA,ÁŽg,!,é,±,Æ,ªŠm”F,³,è,Ä,ç,Ü,·□B

’□ CEÝŠ·□«,đŠmŽÀ,É,.,é,É,Í□AfŠf,□[fg fAfNfZfX fT□[fo□[.É□Ú´±,³,è,Ä,ç,éf,fff€,Æ“~ ,¶Ží—p,İf,fff€,đŽg,ç□A“~ ,¶□%□Šú´É□M´—“x,đ‘l’đ,μ□A“~ ,¶□«”\,đ—LCEø,É,μ,Á,- ,¾,³,ç□B“~ ,¶f,fff€,đ‘l,Í,É,ç□é□‡,Í□A□,È,,Æ,àfT□[fo□[.İf,fff€,Æ CCITT <KŠi,ª“~ ,¶f,fff€,đ‘l,ñ,Á,- ,¾,³,ç□B

fTf]□[fg,³,è,Ä,ç,È,çf,fff€,Áf_fCf,,f<fCf“,.,é•ú-@.É,Á,ç,Ä,Í□A□uf,fff€,İfXfNfŠfVfg.ftf@fCf<,İŠT— v□v,đŽQ□Æ,μ,Á,,¾,³,ç□B

f,fff€,đ•İ□X,μ,¾,è□A□V,μ,çf,fff€,đfCf“fXfg□[f<,μ,¾,è,·,é,É,Í

- 1 fRf“fgf□□[f< fpf]f<,Ì [flfbfgf□□[fN] fAfCfRf“,đf_fuf<fNfŠfbfN,μ,Ü,·□B
- 2 [fT□[frfX] f^fu,Á□A[fŠf,□[fg fAfNfZfX fT□[frfX] ,đfNfŠfbfN,μ□AZÏ,É [fvf□fpfefB] ,đfNfŠfbfN,μ,Ü,·□B
- 3 □Ú□x,É,Á,ç,Ä,Í□A[fwf<fv] ,đfNfŠfbfN,μ□A□à-¾,đŽQ□Æ,μ,Á,,¾,³,ç□B

ŠÖ~A□€-Ü

f,fff€,đfefXfg,.,é
f,fff€,İ<@”\,đ□Ý’è,.,é

fn□[fhfEjFfA ftj□□[□sCEä

fn□[fhfEjFfA,É,æ,éfnf“fhjVfFfCfN,ð—LCEø,É,μ,Û,·□B,±,ì<@“\,É,æ,è□Afff□[f^,ª,ç,Á,Ï,ç,É,È,Á,Ä
%oñ□ü,Éff□[f^,ð’—□M,Å,«,È,,È,Á,½,Æ,«,â□A<t,É’—□M%oÅ“\,É,È,Á,½,Æ,«,É□A,fff€,ªfŠf,□[fg fAjNfZfX f\
ftfgfEjFfA,É“` ,ì,é,±,Æ,ª,Å,«,é,æ,π,É,È,è,Û,·□B,±,è,É,æ,è□A,Šf,□[fg fAjNfZfX f\ftfgfEjFfA,Í□A•K—v,É
%ož,¶,Ä^èŽž“ì,Éff□[f^,ì“]’—,ð’+Ž~ ,Å,«,Û,·□Bfnf“fhjVfFfCfN,Í□Afff□[f^,ì“`’—,ð□#—□%o»,μ□Afi□[fo□[f%of“
fGf%o□[,ì”□¶,ð-h,®,½,β□ACE<%oÊ“ì,Éff□[f^“]’—,ì’S’ì“ì,ÈfXf<□[fvfbfg,ªCEü□ä,μ,Û,·□B

f,fff€,É,æ,éfGf%o[]\$€ä

ff[]f^ fuf[]fbfN,ìfGf%o[][,ð[],%oñ[]ç'·€Ÿ[] (CRC) ,É,æ,Á,Ä'²,×,Ü,·[]Bf,fff€,É,æ,éfGf%o[][]\$€ä,ð—
L€ø,É,·,é,Æ[]Af,fff€,í[]³,μ,“]’—,³,ê,È,©,Á,½ff[]f^,ð[]Ä“]’—,μ,Ü,·[]B,μ,½,³,Á,Ä[]Af,fff€ŠÔ,Å,ìfGf%o[][,í”-
[]¶,μ,Ü,¹,ñ[]B[]Ú[]×,É,Â,ç,Ä,Í[]A[]uMNP4[]v,“,æ,Ñ[]uV.42[]v,ðŽQ[]Æ,μ,Ä,,³/4,³,ç[]B

f,fff€É,æ,éff[]f^³k

f,fff€ŠŌ,Ā'—ŽóM,³,ê,éff[]f^,ð³k,μ□A"']'—,³,ê,éff[]f^,ìfofCfgy",ðŒ,ç,μ,Û,·□B,±,ìŒ<%ŌÉ□A"']'—
ŽžŠŌ,ð'Z□k,μ,Û,·□B,Ç,ì'ö"x'Z□k,³,ê,é,©,í□A"']'—,³,ê,éff[]f^,ìç'·"x,É,æ,Ā,ĀŒ^,Û,è,Û,·□B

'□ f,fff€æ,è,àfRf"fsf...[]f^,ì•û,ª—~—p%ŌĀ"\,Èfpf^[]f" fofbftf@,ª,í,é,©,É'â,«,ç
,½,β□Afn[]fhfEjFfA^³k,æ,è,àfvtfgfEjFfA^³k,ì•û,ªŒø—! "l,Ā,·□B,Û,½□Af,fff€,ì³k<@"\,ðŽg,κ
,Æ□Af,fff€,í□A"à•",ìfpf^[]f" fofbftf@,ð-,β,é,¾,¯,ì—È,ìff[]f^,ªfRf"fsf...[]f^,©,çf,fff€,Ö"']'—
,³,ê,é,Û,Ā□Ā□%Ō,ì"']'—,ð□s,í,·□A"x%Ō,,ª"□¶,μ,Û,·□BfvtfgfEjFfA^³k,Ā,í□A^³k,ì,½,β,ìff[]f^"']'—
,ìfRf"fsf...[]f^,Æf[]f,š,šŌ,Ā□s,í,è,Û,·ª□A,±,ì'—"x,ìfRf"fsf...[]f^,Æf,fff€
,ìšŌ,Ā,ì"']'—'—"x,æ,è,,Ā,Æ□, '¬,Ā,·□B,³,ç,É□AfvfvgfEjFfA^³k,Ā,í□Af,fff€,Æf,fff€
,ìšŌ,ìfZfOf[]fg,¾,¯,Ā,í,È,□Afrf"fsf...[]f^šŌ,ìfšf"fn'S'ì,ð³k,³,ê,½ff[]f^,ª"']'—,³,ê,é,±
,Æ,É,È,è,Û,·□B

^è"É,É□AŠù,É³k,³,ê,Ā,ç,éff[]f^,ð³k,μ,Ā,à□A^³k—,ª□,Û,é,±,Æ,í,è,Û,¹,ñ□B,μ,½,ª,Ā,Ā□Af,fff€
,ì³k<@"\,ÆfvfvgfEjFfA^³k,ð"~Žž,ÉŽg—p,·,x,«,Ā,í,è,Û,¹,ñ□BŽĀ□Û,É□Af,fff€,ªŽg,κfAf<fSfšfYf€
,É,æ,Ā,Ā,í□A—¼•û,ì³k,ð□s,κ,Æ□A"']'—,³,ê,éff[]f^,ìTfCfY,ª'â,«,È,éêê±,à,è,Û,·□B

f,fff€ fRf}f“fh,ìžè“®“ü—í

f_fCf,,f<.,é,Æ,«,É□AfXfNfŠfvg%»»,³,ê,½fRf}f“fh,đŽÀ□s.,é’ă,í,è,É□AŽè“®,Åf,fff€,É AT fRf}f“fh,đ“ü—
Í,.,é,±,Æ,^a,Å,«,Ü,·□B,±,ì<@“\,Í□Af,fff€,ìfXfNfŠfvg ftf@fCf< (MODEM.INF)
,É□V,μ,¢fGf“fgfŠ,đ□□□□,.,é,Æ,«,É□AfXfNfŠfvg,É<L□q,.,é•¶Žš—ñ,đfefXfg,.,é□ê□#,É—~—
p,Å,«,Ü,·□B,Ü,½□A□Ú’±□^—□,ì“r’t,Åft□[fU□[“ü—í,^a•K—v,Æ,È,é,æ,α,È—áŠO“l,È□ê□#,É,à□A,±,ì<@“\,đ—~
—p,Å,«,Ü,·□B
^ê”Ê,É□A□İŒ,ìfìyfCE□[f^,²í%ž,.,éCEđŠ,đ’Ê,¶,Ä□Ú’±,.,é,Æ,«,È,Ç,ì,æ,α
,É□A“d~b<@,đŽg,Å,Ä_fCf,,f<.,é□ê□#,Í□A,±,ì<@“\,đŽg,í,È,¢,Å,,³/₄,³,¢□B

f,fff€,ì<@”\,ðŸ’è,.,é

f,fff€,ì<@”\,ðŸ’è,.,é,É,í

- 1 f_fCf,,f<fAfbfv flfbfgf□□[fN,Á□A“d~b’ fGf“fgfŠ,ð’I’ð,μ□AZŸ,É [,»,ì’¼4] ,ðfNfŠfbfN,μ,Ü,·□B
 - 2 [fGf“fgfŠ,Æf,fff€,ìfvf□fpfefB,ì•Ò□W] ,Ü,½,í [fGf“fgfŠ,Æf,fff€,ìfvf□fpfefB,ì•;□»] ,ðfNfŠfbfN,μ,Ü,·□B
 - 3 [Šî-{} f^fu,ì [f_fCf,,f<•ù-@] f{fbfNfX,Åf,fff€,ð’I’ð,μ□AZŸ,É [□□-] ,ðfNfŠfbfN,μ,Ü,·□B
 - 4 [f,fff€,ì□□-] f_fCfAf□fO f{fbfNfX,Å□Af,fff€,ì’É□M’-“x,ðŸ’è,μ□Af,fff€^³□k,È,Ç,ìfn□[fhfEJfAŠÖ~A,ì<@”\ ,ð’I’ð,μ,Ü,·□B
- ’□ Žg—p,μ,Ä,ç,éf,fff€,ÅfTf□[fg,³,ê,Ä,ç,È,ç<@”\,ð’I’ð,μ,Ä,à□Af,fff€,ì□«”\,É,í%½,à%œ<¿,í, ,è,Ü,¹,ñ□B

f,fff€,ð•ï□X,μ,½,è□A□V,μ,çf,fff€,ðfCf“fXfg□[f<,μ,½,è,.,é,É,í

► fRf“fgf□□[f< fpf|f<,ì [flfbfgf□□[fN] fAfCfRf“,ðf_fuf<fNfŠfbfN,μ,Ü,·□B[fT□[frfX] f^fu,Å□A[fŠf,□[fg fAfNfZfX fT□[frfX] ,ð’I’ð,μ□AZŸ,É [fvf□fpfefB] ,ðfNfŠfbfN,μ,Ü,·□B□Ü□x,É,Ä,ç,Ä,í□A,±,ìf_fCfAf□fO f{fbfNfX,ì [fwf<fv] ,ðfNfŠfbfN,μ□A□à-¾,ðŽQ□Æ,μ,Ä,,¾,³,ç□B

^3k,ÉŠÖ,·,éŽw

f,fff€,É,æ,é^3k

f,fff€,ì^3k<@“\,ð—LCEø,É,·,éèè±,íAfi[f]g,ì'ÉM'—“x,ð 38400bps ,Ü,½,í 57600bps ,Éÿ'è,µ,Ä,-
,¾,¾,çB,¾,ç,ÉAfí[f]o[f%of“ fGf%o[,ð“í,¾,¾,É,ç,Á,·,·,ÈŠ,,èž,Ý,ð^—,Á,«,é,æ,æ,É,·,é,É,íA16550
CEÝŠ·,ìVfŠfAf< fí[f]g,Æ 386/33 ^èä,ì CPU ,ª•K—v,Ä,·BÁ“í,ÈfXf<[fvfbfg,íff[f^,ì^3k—
,ÁCE^,Ü,é,ì,ÁAfi[f]g,ì'ÉM'—“x,ð 57600bps ,Éÿ'è,µ,Ä,àAfXf<[fvfbfg,ª 57600bps ,É<ß,Ä,-
,Æ,íCEÀ,è,Ü,¹,ñB

,½,Æ,ì,íAf,fff€ŠÖ,ì"']—“x,ð 14400bps ,Éÿ'è,µ,½ V.32bis f,fff€,ðŽg,Á,ÄAf,fff€,ì^3k<@“\
,ðfif“ ,É,µ,Áfí[f]g,ì'—“x,ð 57600bpx ,Éÿ'è,µ,Ä,Ü'±,µ,½,Æ%¾¾è,µ,Ü,·B,±,ìèè±A“']—,¾,è,éff[f^ ,ª 2
•ª,ì 1 ,É^3k,¾,è,½,Æ,«,ÉAZÀÜ,ìfXf<[fvfbfg,ì·½<í 28800bps ,É,È,è,Ü,·BfXf<[fvfbfg,ð,±,è,æ,è,à
57600bps ,É<ß,Ä,·,é,±,Æ,ª,Ä,«,é,ì,íA,æ,è,·,ç“ä—! ,Á^3k%Á“\,Èff[f^ (,½,Æ,ì,íAfff[f^ ,ª 0
,ì,©,è,ìftf@fCf<A,Ü,½,ì^è-É·F,ìfxfbf}fbfv ftf@fCf<,È,Ç) ,ð"']—,·,éèè±,¾,·,Ä,·B'ÉíA,±,ì,æ,æ
,É^3k—! ,ªŽÀCE»,¾,è,é,±,Æ,í, ,è,Ü,¹,ñB

'Éí,ìfní[fhfEfffA,Á,íAfi[f]g,ì'—“x,ð , Ü,è,·,ÿ'è,·,é,ÆAfí[f]o[f%of“ fGf%o[,ì"']-
í,·,éŠèCE“í«,ª,Ü,é,½,ßAMODEM.INF ,Ä,íAÁ'á'ÉM'—“x,í 38400bps
,Éÿ'è,µ,Ä, ,è,Ü,·B,·,·,ÉM,É'í%ž,Á,«,éfní[fhfEfffA,ðŽg,Á,Ä,ç,éèè±,íA57600bps ,Éÿ'è,µ,Ä,Ü'±
,µ,Ä,à,©,Ü,ç,Ü,¹,ñ,ªAŠù,Éà-¾,µ,½,æ,æ,È—R,©,çA57600bps ,É·íX,µ,½,©,ç,Æ,ç
,Á,Ä•K,·,µ,àfXf<[fvfbfg,ªCEüã,·,é,Æ,íCEÀ,è,Ü,¹,ñB,Ü,½AMicrosoft ,Á,íA,Ç,ìf,fff€,É,Ä,ç,Ä,à
57600bps ,Ä,ì'ÉM,ìfefXfg,µ,Ä,ç,Ü,¹,ñB

f\ftfgEfffA^3k

fŠf,í[f]g fAfNfzfx fí[f]fX,É,ì\ftfgEfffA,É,æ,éff[f^3k<@“\,à—p^Ó,¾,è,Ä,ç,Ü,·B,±
,ì,½,ßAfXf<[fvfbfg,ðCEüã,¾,¾,é—U“í,Áf,fff€,ì^3k<@“\,ðfif“ ,É,·,é•K—v,í, ,è,Ü,¹,ñBV.32bis f,fff€
,ðŽg,Á,Ä,ç,éèè±,íA\ftfgEfffA^3k,ð—LCEø,É,µ,Ä 14400bps ,Á'ÉM,·,è,íA•½<í 28800bps
,ìfXf<[fvfbfg,ð“¾,é,±,Æ,ª,Ä,«,Ü,·BfefXfg,ìCE%É,©,ç,íAf,fff€,É,æ,é^3k,æ,è,à\
ftfgEfffA^3k,ðŽg,Á,½•Ü,àfXf<[fvfbfg,ªCEüã,·,é,±,Æ,ª,í,©,Á,Ä,ç,Ü,·B,Ü,½Af\ftfgEfffA^3k,ðŽg,æ
,ÆAŠ,,èž,Ý,ì“í·p“x,ªá%º,µAfí[f]o[f%of“ fGf%o[,ì"']í,·,éŠèCE“í«,à,È,·,è,è,Ü,·B
íA—Ç,ìCE%É,ð“¾,é,É,íAf,fff€,É,æ,éGf%o[íCEà,ð—LCEø,É,µAf,fff€^3k,ðfift,É,µ,ÄAf\
ftfgEfffA^3k,ð—LCEø,É,µ,Ä,,¾,¾,çB

H<Æ<KŠi,É,Â,č,Ä

f,fff€,í,č,ì<@Ží,à,;,x,Ä^Ù,È,é'~“x,ÅM+;đ'~M,;,é,½,βAf,fff€,ì»'č€³,ì'â•”•ª,ª CCIIT <KŠi,đì—
p,μ,Ä,č,Û,·BCCITT <KŠi,ì^è•” (Žâ,É,í^2•”•ª) ,É,íA,č€xf<,ì'w (fJfSfVfG[fVfJf”,É,č) ,đ'è<` ,; ,é<KŠi,à,č,-
,Ä,©ŠÜ,Û,é,Ä,č,Û,·B•;ì”,ì'ÉM'~“x,đTf|f,·,éf,fff€,É,íAZÿ,É<”,°,é<KŠi,ì,ž,·;ì”,ì<KŠi,đì—p,μ,Ä,č
,é,à,ì,à, ,è,Û,·B

V.21

V.22

V.22bis

V.23

V.29

V.32

V.32bis

MNP4

MNP5

V.42

V.42bis

Žÿ,ì•\,ÉŽì,·H<Æ<KŠi,ì,č,, ,é,©,É€<',μ,½f,fff€,đ'l,ñ,Ä,,¾,¾,čB

'ÉM'~“x (bps)	<KŠi
1200	V.22 ,Û,½,í Bell 212A
2400	V.22bis
9600	V.32
14400	V.32bis

fGf%o[f[š€ä,Æff[f^³k

fGf%o[f[ù³fvf[fGfRf<,Æff[f^³kfVf[fGfRf<,đ<@”\,³,¹,é,É,íAÚ'±,ì—¼'[,ìf,fff€,ª—
¼•ù,Æ,à” ,ìfvf[fGfRf<,đTf|f[f,μ,Ä,č,È, ,é,î,È,è,Û,¹,ñBf,fff€ŠÖ,ìÚ'±,ªŠm—š,³,é,½,çA,»,ì 2 'ä,ìf,fff€
,ÍŽ©“@“l,ÉfJfSfVfG[fVfJf”,đs,čAÅ“K,ìŠ€ÿfvf[fGfRf<,đ€^è,μ,Û,·B

fvf[fGfRf<

MNP4

MNP5

U<KŠi

V.42

V.42bis

DEVICE.LOG ,ì<L~^,ðŠJŽn,.,é

DEVICE.LOG ftj@fCf<,É,íA\fff€,ÉŠÖ,.,é'ÇÖi•ñ,â<L~^,³,ê,Ü,·Bj,fff€,É%½,©-à'è,ª"¶,µAuf,fff€
_j'Á«v,É<Lq,³,é,Á,ç,éŽwŽ!,É],Á,Á,à-à'è,ð%ðCE^,Á,«,É,çêê¶,íADEVICE.LOG ftj@fCf<,ð²,x,Á,-
,¾,³,çB,±,ìftj@fCf<,É<L~^,³,ê,½i•ñ,íAft¶[fU¶[,âfvXfef€ŠÇ-ŽÖ,ª-à'è,ð%ðCE^,.,é,Æ,«,É-~
p,Á,«,Ü,·B

DEVICE.LOG ftj@fCf<,íA\systemroot\System32\RAS fffBfCEfNfgfŠ,É, ,è,Ü,·B

DEVICE.LOG ,ðì¶-,.,é,É,í

1 ,±,ìfwf<fv,ìžè¶,ì"à-e,ðfNfŠfbfvf{¶[fh,ÉfRfs¶[,µARAS ,ðI-¹,µ,½CEã,àžQ¶Æ,Á,«,é,æ,π,É,µ,Ü,·B

2 ,.,x,Á,ìÚ'±,ðØ'f,µARAS ,ðI-¹,µ,Ü,·B

3 REGEDT32.EXE ,ðžÀ¶s,µ,ÄfCEfwfXfgfŠ,ðŠJ,«,Ü,·B

4 fCEfwfXfgfŠ,ÁAŽŸ,ìfL¶[,ÉfAfNfZfX,µ,Ü,·B

HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\RasMan\Parameters

5 Logging fpf%of¶[f^,ì'l,ð 1 ,É•í¶X,µ,Ü,·B•í¶X,.,é,Æ¶Afpf%of¶[f^,ížŸ,ì,æ,π,É,È,è,Ü,·B

Logging:REG_DWORD:0x1

'¶ RAS ,ðÄ<N"®,.,é,©A,Ü,½,í fŠf,¶[fg fAfNfZfX fT¶[frfX (CEÄ,Ñ¶o,µ,ðžó¶M,.,é'π,ìfRf"fsf...
¶[f^,ìêê¶),ðŠJŽn,.,é,Æ¶Af¶fO<L~^,ªŠJŽn,³,ê,Ü,·BWindows NT
,ðfvfffbfgf_fEf",µ,ÄÄ<N"®,.,é•K-v,í, ,è,Ü,¹,ñ¶B

f,fff€,ì"Á□«

,±,±,Á,í□AfŠf,□[fg fAfNfZfX fT□[frfX,ÁfTf]□[fg,³,è,Ä,ç,éf,fff€,ì"Á□«,É,Ä,ç,Ä□à-¾,μ,Û,·□BfTf]□[fg,³,è,Ä,ç,éf,fff€,ì^è—,É,Ä,ç,Ä,í□A□wWindows NT fn□[fhfEjFfAÇEYŠ-□«fŠfXfg□x (HCL) ,ðŽQ□Æ,μ,Ä,,¾,³,ç□B

fTf]□[fg,³,è,Ä,ç,éf,fff€,lfgf%ofuf<fvf...□[fefBf"fo,ðs,π,É,í

- 1 fP□[fuf<,³□³,μ,□Ú'±,³,è,Ä,ç,é,±,Æ,ðŠm" F,μ,Û,·□B□ufP□[fuf<,ì—vCE□□v,ðŽQ□Æ,μ,Ä,,¾,³,ç□B
 - 2 fP□[fuf<,³fŠf,□[fg fAfNfZfX fT□[frfX,ì—vCE□,ð-ž,½,μ,Ä,ç,é,ì,É□Ú'±,Ä,«,É,ç□è□±,í□Af,fff€,ìf}fjf... fAf<,ðŽQ□Æ,μ□Af,fff€,³□³,μ,fCf"fxfg□[f<,³,è,Ä,ç,é,©,Ç,π,©,ðŠm" F,μ,Û,·□B
 - 3 f,fff€,³□³,μ,fCf"fxfg□[f<,³,è,Ä,ç,é□è□±,í□A'[-fGf~f...fCE□[f^fvf□fOf%of€ (Windows NT ,ì fnfCfp□[f^□[f~fif<,É,Ç) ,ðŽg,Á,Ä□Af,fff€,É³□í,ÉfRf}f"fh,ð—□M,Ä,«,é,©,Ç,π,©,ð²,x,Û,·□B□uf,fff€ ,ðfefXfg,·,é□v,ðŽQ□Æ,μ,Ä,,¾,³,ç□B
 - 4 ^è□ä,ì'€□ì,ðs,Á,Ä,à□Af,fff€,³fŠf,□[fg fAfNfZfX fT□[frfX,Á<@"\\,μ,È,ç□è□±,í□AfVfXfef€ŠÇ—□ŽÒ,É-â,ç□±,í,¹,Ä,,¾,³,ç□B
- '□ f,fff€,É%½,ç,©,ì-â'è,³, ,é□è□±,í□AfVfXfef€ŠÇ—□ŽÒ,É•ñ□□,μ,Ä,,¾,³,ç□B,±,ì•ñ□□,ðs,π ,Æ,«,É,í□A\systemroot\System32\RAS fffBfÇfNfgfŠ,É, ,éDEVICE.LOG ftf@fCf<,ì□o—í,àŠÇ— □ŽÒ,É"n,μ,Ä,,¾,³,ç□BDEVICE.LOG ftf@fCf<,ð□□¬,·,é•û-@,É,Ä,ç,Ä,í□A□uDEVICE.LOG ,ì<L~^,ðŠJžn,·,é□v,ðŽQ□Æ,μ,Ä,,¾,³,ç□B

ŠÖ~A□€-Ú

^è"É"ì,È"Á□«

Codex 326x fvŠf□[fY,ì"Á□«

DataRace ,ì"Á□«

Datatrek ,ì"Á□«

Hayes ,ì"Á□«

MicroCom ,ì"Á□«

MicroGate ,ì"Á□«

MultiTech ,ì"Á□«

Octocom ,ì"Á□«

PDI ,ì"Á□«

Practical Peripherals ,ì"Á□«

Racal-Milgo ,ì"Á□«

Supra ,ì"Á□«

Telebit ,ì"Á□«

UDS Motorola ,ì"Á□«

US Robotics ,ì"Á□«

VenTel ,ì"Á□«

Western Datacom ,ì"Á□«

^è"É"İ,È"Á«

fŠf.[]fg fAfNfZfX,ÅfTf[]fg,³,è,Ä,ç,é,fffe,ðŽg,Á,Ä,ç,Ä,à[]wWindows NT fn[]fhfEjFfACEÝŠ.[]«fŠfXfg[]x (HCL) ,É^è—•Ž!,³,è,Ä,ç,é,Ü,©,İf,fffe,Æ[]A, ,ç,ä,éf,[]fh,ÅŠmŽÀ,É'É[]M,Á,«,é,Æ,í[]EÀ,è,Ü,¹,ñ[]B

—á

^è" ,ì V.32bis f,fffe,í[]Af,fffeŠÖ,ì'É[]M'—"x,ª 14,400bps ,ì[]è[]±,Á,à[]A'—"x,ª 14,400bps ,É[]Ý'è,³,è,½f[] []fg,Á,í[]³[]í,É<@" \,µ,Ü,¹,ñ[]BŽg—p,µ,Ä,ç,é V.32bis f,fffe,ª[]%Šú'—"x 14,400bps ,Á<@" \,µ,È,ç[]è[]±,í[]A[] %Šú'—"x,ð 19,200bps ,É•ì[]X,µ,Ä,,¾,¾,¾,ç[]Bf,fffe,ì[]%Šú'—"x,ð•ì[]X,·,é•ù-@,É,Á,ç,Ä,í[]A[]uf,fffe,ì<@" \ ,ð[]Ý'è,·,é[]v,ðŽQ[]Æ,µ,Ä,,¾,¾,¾,ç[]B

"à' f,fffe

Digicom Scout Plus ,È,Ç,ì^è" ,ì"à' f,fffe,í[]AWindows NT ,ìŽ©" @CEÝ[]o,Á,í[]CEÝ[]o,³,è,Ü,¹,ñ[]B,±,ì,æ,ª ,É[]è[]±,í[]AWindows NT ,İfRf"fgf[]f< fpf[]f<,©,ç,» ,İf,fffe,ðŽè" @,Á'Ç%Å,µ,È,·,è,İ,È,è,Ü,¹,ñ[]B,Ü,½[]Af,fffe ,ÁŽg,ª'É[]Mf[]fg,ª—~—p%Å" \,Á,È,ç[]è[]±,í[]Af[]fg,à'Ç%Å,µ,È,·,è,İ,È,ç,È,ç%Å" \« ,ª ,è,Ü,·[]Bf[] []fg,í[]Af,fffe,ð'Ç%Å,·,é'Ö,É'Ç%Å,µ,È,·,è,İ,È,è,Ü,¹,ñ[]B[COM[],ì[]Ý'è] f_fCfAf[]fO f_{fbfNfX,ðŠ},,É,í[]A,± ,İf_{f^f" ,ðfNfŠfbfN,µ,Ä,,¾,¾,¾,ç[]B[]V,µ,çf,fffe,İfCf"fxfg[]f<] f_fCfAf[]fO f_{fbfNfX,ðŠ},,É,í[]A,±,İf_{f^f" ,ðfNfŠfbfN,µ,Ä,,¾,¾,¾,ç[]B

fR[]f<fofbfN

fT[]fo[][f,fffe,Æ,µ,ÄfTf[]fg,³,è,Ä,ç,é,fffe,í[]AfNf%[]CfAf"fg f,fffe,Æ,µ,ÄŽg,Á,½,Æ,« ,ÉfR[]f<fofbfN<@" \ ,ðfTf[]fg,µ,È,ç[]è[]±,ª ,è,Ü,·[]B

Žè" @f_fCf,,f<

ŽŸ,ì•\,í[]AŽè" @f_fCf,,f<,µ,½,Æ,« ,İšef,fffe,ì"Á[]«,ðŽ!,µ,Ä,ç,Ü,·[]B

f,fffe

"Á[]«

Bocamodem M1440

f,fffe,İfvf[]fgfRf< fİfSfvfG[]fVf#f" ,ÁŽ , "s ,µ,Ü,·[]B

Gateway 2000 Telepath Internal

fİfSfvfG[]fVf#f" []— ¹[]Eã[]A•K, ,fT[]fo[][, ,ç[]Ø'f,³,è,Ü,·[]B

Intel SatisFaction 100

"F[]Ø,ÉŽ , "s,µ,Ü,·[]B

PDI-1000

Žè" @f_fCf,,f<,İfTf[] []fg,³,è,Ä,ç,Ü,¹,ñ[]B

Racal-Milgo 2412

[]Ú'±[]Eã,àŽó~bŠí,ð-ß,·,±,Æ,ª,Á,« ,Ü,¹,ñ[]B

Ven-Tel 9600 Plus II

"F[]Ø,ÉŽ , "s,µ,Ü,·[]B

Codex 326x fVfŠ[]fY,ì"Á[]«

Codex 3260[]A3261[]A3262[]A3263[]A3264[]A,Ü,½,í 3265 ,ðŽg,Á,ÄŽŸ,ì,æ,ª,È[]ð[]CE[],Á[]Ú'±

,·,é[]è[]±,í[]Aftf[][]\$[]Eä<@" \,ðfİft,É,µ,Ä,,¾,¾,¾,ç[]B

- 2400 bps ,Ü,½,í 9600bps ,Á[]Ú'±,·,é[]è[]±
- []%Šú'—"x,ð 19,200bps ,Ü,½,í 38,400bps ,É[]Ý'è,µ,Ä,ç,Ä,í[]AfİfSfvfG[]fVf#f" ,Á'É[]M'—"x,ª 9600bps ,Ü,½,í 2400bps ,É—Ž,ì,é[]è[]±

Codex V.FAST (3260□A3261□A3262□A3263□A3264□A,Ü,½,Í 3265) f,fff€,đŽg,Á,ÄfŠf,□[fg fAfNfZfX
fT□[fo□[.É□Ú'±,μ□AfT□[fo□[.Ì•û,à Codex V.FAST f,fff€,đŽg,Á,Ä,ç,é□ê□#,Í□A•K, ,fn□[fhfEfFfA
ftf□□[□\$CEä,²—LCEø,É,È,Á,Ä,ç,é,±,Æ,đŠm" F,μ,Ä,,³/₄,³,ç□Bfn□[fhfEfFfA ftf□□[□\$CEä,²—³CEø,É,È,Á,Ä,ç
,é,Æ□A□Ú'±,Ä,«, ,□A"fffofCfX,ÍTf|□[fg,³,ê,Ä,ç,È,çf{□[fCE□[fg,É□Ø,è'Ö,í,è,Ü,μ,½" ,Æ,ç,xf□fbfZ□[fW,²•\
Ž,³,è,Ü,·□B

DataRace ,ì“Á□«

RediModem V.32bis

fGf%o□□\$CEä,“,æ,Ñftf□□□\$CEä,ª□A<□\$“l,Éfjf“,É,È,è,Ü,·□B

Datatrek ,ì“Á□«

Elite 624D

Šg'£<@“\,ã-³Œø,É,È,è,Û,·□B

Datatrek V.32

fNf%ofCfAf“fg f,fff€,Æ,μ,Ä,ì,ÝfTf|□[fg,³,ê,Û,·□B

Hayes ,i"Á□«

V-Series 9600

Hayes V-Series 9600 f,fff€,í□A□Ú'±□æ,lf,fff€,à Hayes V-Series 9600 f,fff€,ì□ê□‡,ì,Ý 9600bps ,Á□Ú'± ,Á,«,Ü,·□B

,±,lf,fff€,đfRf"fsf...□[f^,ÉfCf"fXfg□[f<,·,é'O,É□AfŠf,□[fg fAfNfZfX fT□[fo□[,à Hayes V-Series 9600 ,đŽg,Á,Ä,ç,é,©,Ç,κ,©,đŠm" F,μ,Ä,,¾,¾,ç□B•Ê,lf,fff€,đŽg,í,ê,Ä,ç,é□ê□‡,í□A2400bps ,Á□Ú'±,¾,ê,é%oÁ" \ □«,¾, ,è,Ü,·□B

Hayes Optima 14.4

US Robotics Sportster f,fff€,©,ç Hayes Optima 14.4 f,fff€,É□Ú'±,·,·,é,Æ□A,±,ì 2 ,Á,lf,fff€,í□Ú'± ,lfSfVfG□[Vf‡f",đ□s,κ,±,Æ,¾,Á,«,Ü,¹,ñ□B Hayes Optima 14.4 f,fff€,©,ç US Robotics Sportster 14.4 f,fff€,É□Ú'±,μ,½□ê□‡,í□A□³□í,É□Ú'±,¾,ê,Ü,·□B

MicroCom ,i"Á□«

QX 4232bis

Šg'£<@"\,ª-³Œø,É,È,è,Û,·□B

MicroGate ,l"Á«

MicroGate MG96

fGf%o[[]\$CEä, ",æ,Ñftf[[]\$CEä,ªA<[]\$“l,Éf|f“,É,È,è,Ü,·[]B

MicroGate MG144

fGf%o[[]\$CEä, ",æ,Ñftf[[]\$CEä,ªA<[]\$“l,Éf|f“,É,È,è,Ü,·[]B

MultiTech ,ì“Á□◀

MultiModem 224

ftf□□[□\$€ä,°□A<□\$“l,Éfj“ ,É,È,è,Ü,·□B

Octocom ,i"Á«

8324

fGf%o[]\$Eä," ,æ,Ñftf[]\$Eä,ªA<[]\$“l,Éfj“,É,È,è,Ü,·B

PDI ,i"Á«

PDI-1000

PDI 1000 ,íAfnf%ofCfAf"fg f,fff€,Æ,μ,Ä,ì,ÝfTf[]fg,³,ê,Ü,·B

PDI-1000/S fCf"fefŠfWfFf"fg ff[]f^ fAf_fvf^

PDI-1000/S ,íAIBX fffWf^f<"d~b%ñü,ð%oi,μ,Ä_fCf,,f<fAfEfg—p,íf,fff€,Ü,½,íf,fff€ fv[]f<,ÉÜ'± ,·,é,½,ß,ífWf^f< fffofCfX,Ä,·B PDI ,íf,fff€,Ä,í ,·,è,Ü,¹,ñ,²Afnf,fff€ fv[]f<,ÉÜ'±,³,ê,é,Æf,fff€,Æ" ,¶,æ,π ,É<@"\,μ,Ü,·B

' PDI-1000/S ,ð%oi,μ,Ä RAS fT[]fo[],ÉÜ'±,·,é,Æ-â'è,²[]¶,·,é[]é[]íAŽŸ,ì'€[]ðs,Á,Ä,,¾,¾,¾,¾B

■ IBX fv[]fofCf_²A"Á'è,ì"Ö[]†,Ä,ìCEÄ,Ño,μ,ð PDI ,©,ç,ìCEÄ,Ño,μ,Æ,μ,Ä^μ,π,æ,π,ÉfvfXfef€,ð\ []-μ,Ä,ç,é,±,Æ,ðSm" F,μ,Ü,·BIBX ,ì,»,ì%ñü,² PDI —p,É[]-³,ê,Ä,ç,É,ç[]é[]íACEÄ,Ño,μ'†,É %ñü,²Ø'f,³,ê,Ü,·Bf_fCf,,f<fCf"—p,ì%ñü,Æf_fCf,,f<fAfEfg—p,ì%ñü,ìCEÄ•É,É[]-³,ê,Ä,ç ,É, ,·,é,ì,É,è,Ü,¹,ñB

■ [f,fff€,ì[]-] f_fCfAf[]fo f{fbfNfX,ÄAfnf[]fo[],íf,fff€,ì'ÉM'—"x,É[]í,¹,Ä%Šú'—"x (bps) ,ðÝ'è,μ,Ü,·B%Šú'—"x (bps) ,ðÝ'è,·,é•ù-@,É,Ä,ç,Ä,íA[]uf,fff€,ì<@"\,ðÝ'è,·,é[]v,ðŽQ[]Æ,μ,Ä,- ,¾,¾,¾,¾BfT[]fo[],íf,fff€,ì'ÉM'—"x,²,í,©,ç,É,ç[]é[]íAfvfXfef€SÇ—ZÖ,É-â,ç[]í,¹,Ä,,¾,¾,¾,¾B

Practical Peripherals ,ì“Á□«

Practical Peripherals 2400SA

fNf%ofCfAf“fg f,fff€,Æ,μ,Ä,ì,ÝfTf|□[fg,³,ê,Û,·□B

Practical Peripherals 2400MNP

Šg'£<@“\,ª-³Œø,É,È,è,Û,·□B

Racal-Milgo ,i“Á«

2412/2

DCE ,iÅ,‘-“x,íA2400bps ,ÉÝ’è,³,ê,Ü,·B

Supra ,ì“Á□«

Supra COM Card PCMCIA 144

fNf%ofCfAf“fg f,fff€,Æ,μ,Ä,ì,ÝfTf|□[fg,³,ê,Ü,·□B

Telebit ,l"Á□«

Telebit T1500

fNf%ofCfAf"fg f,fff€,Æ,μ,Ä,ì,ÝfTf|□[fg,³,ê,Û,·□B

Telebit T1600

Šg'£<@"\,ª-³Eø,É,È,è,Û,·□B

UDS Motorola ,i"Á«

UDS Motorola V.3225

Šg'£<@"\,ã-³Œø,É,È,è,Û,·B

UDS Motorola V.3227

DCE ,iÅ, '¬"x,í 9600bps ,ÉÝ'è,³,ê,Û,·B

UDS Motorola FasTalk V.32/42bis

DCE ,iÅ, '¬"x,í 9600bps ,Å,·B

US Robotics ,ì"Á□«

HST

US Robotics HST f,fff€,í□ACEÁ—L,ìfvf□fgfRf<,đŽg,Á,Ä," ,è□A,» ,ìfvf□fgfRf<,đfTf□[fg,μ,Ä,ç,È,çf,fff€,Æ,í 2400bps ,æ,è'â,«,ç'É□M'—"x,Á,ì□Ú'±,đfìSfVfG□[fVf†",Á,«,Ü,¹,ñ□B

fŠf,□[fg fNf%ofCfAf"fg,ÆfT□[fo□[,ì—¼•ù,Á HST CEÝŠ f,fff€,đŽg,Á,Ä,ç,é□è□±,Á,à□A,±,é,ç,ìf,fff€,Á 14,400bps ,ì□Ú'±,đŠm—š,·,é,±,Æ,í, Š©,β,Á,«,Ü,¹,ñ□BHST fvf□fgfRf<,í□A'S"ñ□d,ì 14,400bps fvf□fgfRf<,Á,í, ,è,Ü,¹,ñ□B,Á,Ü,è□A^ê•ùCEü,É"']—,³,é,éff□[f^,ì'É□M'—"x,í 14,400bps ,É,È,è,Ü,·,□A<t•ùCEü,Ö,ìff□[f^,ì"']—,ì,±,é,æ,è, ,Á,Æ'á'—,É,È,è,Ü,·□B,±,ì,½,β□AfŠf,□[fg fAfNfZfX fT□[fxfX,ì—¼•ùCEü,Ö,ìff□[f^,ì"']—'—"x,ª" ,¶,Á, ,é,±,Æ,đ'O'ñ,É,μ,Ä,ç,é,ì,Á□AfXf<□[fvfbfg,ª'á%º,μ,Ü,·□B

,·,x,Ä,ì 14400bps f,fff€

US Robotics ,ì 14400bps f,fff€,í,·,x,Ä□A□%Šú'—"x,đ 14,400bps ,Á,í,È, 19,200bps ,É□Ý'è,μ,È, ,è,î,È,è,Ü,¹,ñ□B,±,é,í□A^ê•",ì Gateway 2000 fRf"fsf...□[f^,ÉfCf"fxfg□[f<,³,è,Ä,ç,é US Robotics Sportster f,fff€,É,à"—,Ä,í,Ü,è,Ü,·□B

US Robotics Sportster f,fff€,©,ç Hayes Optima 14.4 f,fff€,É□Ú'±,·,é,Æ□A,±,ì 2 ,Á,ìf,fff€,í□Ú'± ,ìfìSfVfG□[fVf†",đ□s,±,±,Æ,ª,Á,«,Ü,¹,ñ□B Hayes Optima 14.4 f,fff€,©,ç US Robotics Sportster 14.4 f,fff€,É□Ú'±,μ,½□è□±,í□A□³□í,É□Ú'±,³,è,Ü,·□B

VenTel ,ì“Á□«

VenTel 14400

VenTel 14400 ftj@fbfNfX f,fff€,í□AfNf%oofCfAf“fg,ª%oñ□ü,ð□Ø*f,μ,Ä,à,»,ì,±,Æ,ðEÿ□o,Å,«,È,ç
,ì,Å□Af^fCfEfAfEfgŽžŠÔ,ªEo%oß,·,é,Ü,Á,í%oñ□ü,ª□è—L,³,è,½,Ü,Ü,Æ,È,è,Ü,·□B,±,ì,½,ß□A%oñ□ü,ª
—]•ª,ÈŽžŠÔ□è—L,³,è,Ä,ç,Ä,à,©,Ü,í,È,ç□è□±^ÈŠO,í□A,±,ì,f,fff€,ðfT□[fo□[f,fff€,Æ,μ,ÄŽg,í,È,ç,Ä,,¾,³,ç□B
fNf%oofCfAf“fg,Æ,μ,Ä,í□A□³□í,É<@“\,μ,Ü,·□B

Ven-Tel 9600 Plus II

f,fff€^³□k,ª<□\$“I,Éfjf“,É,È,è,Ü,·□B

Western Datacom ,ì“Á□«

Worldcom V32bis

fNf%ofCfAf“fg f,fff€,Æ,μ,Ä,ì,ÝfTf|□[fg,³,ê,Ü,·□B

fP[fuf<,i-vCE

fŠf, [fg fAfNfZfX fT[frfX,É,íAfp[fuf<,É'í,μ,Ä'[-'ÉMfvfOf%of€,æ,è,àCEμ,μ,φ-vCE,ª, ,è,Ü,·BŽg—
p,μ,Ä,ç,éfvfŠfAf< fP[fuf<,ª Windows NT fnfCfp[f^ [f~fif<,Ä,í³í,É<@"\\,·,é,ì,É RAS ,Ä,í<@"\
,μ,È,çêþ,íAfp[fuf<,ªŽŸ,ì\,ì,·,x,Ä,ìMþ,ð'É,·,©,Ç,κ,©,ðSm" F,μ,Ä,,¾,¾,çB

fŠf, [fg fAfNfZfX fT[frfX,Ä,íARS-232C fP[fuf<,ìŽŸ,ìsf",ªÚ'±,¾,è,Ä,ç,È,·,è,ì,È,è,Ü,¹,ñB

- Rx ŽóMff[f^
- Tx '—Mff[f^
- CTS '—M%oÄ
- RTS '—M—v<
- DTR '[-fCEffB
- DSR ff[f^ fZfbfg fCEffB
- DCD fLfffŠfACEÿo

CEx

ä,ì\,ÉŽì,μ,½,·,x,Ä,ìsf",ªÚ'±,¾,è,Ä,ç,È,·,è,ì,È,è,Ü,¹,ñB7 ,Ä,ìsf",ì,κ,ζ,Ç,è,ªCEþ,·,Ä,àAfŠf, [fg
fAfNfZfX fT[frfX,í<@"\,μ,Ü,¹,ñBfsf",ª'«,è,È,ç,©A,Ü,½,í<@"\,μ,È,·,è,ìAfŠf, [fg fAfNfZfX
fT[frfX,É,æ,èfn[fhfEfffA fGf%o[,ªfCEf[fg,¾,è,Ü,·B

'½,ì ISA fRf"fsf... [f^ , ,æ,Ñ EISA fRf"fsf... [f^ ,É,íAZŸ,ìfvfŠfAf< f[fg fRfIfNf^ ,ì,ç, ,è,©,ª•t,ç,Ä,ç
,Ü,·B

- 25 fsf" f[XCE^ "D-SUB" fRfIfNf^
- 9 fsf" f[XCE^fRfIfNf^

,Ü,Æ,ñ,Ç,ìŠù»•i,ìP[fuf<,ªŽg—p,Ä,«,Ü,·,ªA,·,x,Ä,ª³,μ,<@"\,·,é,í,·,Ä,í, ,è,Ü,¹,ñBfP[fuf<,É,æ,Ä,Ä,íA
u25 fsf" fP[fuf<vA u9 fsf" fP[fuf<vA, ,æ,ÑuNULL f,fff€.ìP[fuf<v,ì\,ÄŽì,μ,½fsf",ª,·,x,ÄÚ'±
,¾,è,Ä,ç,È,çêþ,ª, ,è,Ü,·BfP[fuf<,ðw"ü,·,é,Æ,«,íA—Ú"l,ìP[fuf<,ª¾,ç,è,é,æ,κ,ÉA%½,ª•K—
v,©,ðfffB[f%o[,É³Šm,ÉŽwŽì,μA,±,è,ç,ì\,ìî•ñ,ð'ñ<Ÿ,μ,Ä,,¾,¾,çB

' f,fff€Mþ,ð" '—,μ,È,çêþ,ª, ,é,ì,ÄAf}fEfX fn[fhfEfffA,É•t,ç,Ä,ç,é 9-to-25-pin
fRf"fo[f^ ,ìŽg,ì,È,ç,Ä,,¾,¾,çB

Šö~A€-Ú

25 fsf" fP[fuf<

9 fsf" fP[fuf<

NULL f,fff€,ìP[fuf<

25 fsf“ fP□lfuf<

ŽŸ,ì•\,ì,æ,α,É□AfVfŠfAf< f|□lfg fRfIfNf^□ä,ì 1 ,©,ç 8 ,Ü,Å,lfsf“,í□Af,fff€ fRfIfNf^□ä,ì,»è,¼,è,ì'í,É□Ú'±
 ,³,è,Ä,ç,Ü,·□B^è”É,É□AfŠf{f“ fP□lfuf<,ì□è□±,í 25 CEÄ,lfsf“,²,·,×,Ä•½□s,É□Ú'±,³,è,Ä,ç
 ,Ü,·□B,½,¼,μ□AfŠf{f“ fP□lfuf<,ðŽg,α,Æ□AfefCEfr□Af%ofWfI□A,“,æ,Ñfrfffi fffbJL,É□ásSQ,ð<y,Ú,·,±
 ,Æ,², ,è,Ü,·□B,±,ì-â`è,ð%øCE^ ,·,é,É,í□AfV□lf<fh,³,è,½ RS-232C fP□lfuf<,ðŽg,ç,Ü,·□B

25 fsf“ fvfŠfAf< f □lfg fRfIfNf^	25 fsf“ f,fff€ fRfIfNf^	□M□t
1	1	fOf%ofEf“fh
2	2	'—□Mff□lf^
3	3	Žó□Mff□lf^
4	4	'—□M—v<□
5	5	'—□M%oÄ
6	6	ff□lf^ fZfbfg fCEffB
7	7	□M□t—pfOf %ofEf“fh
8	8	fLfffŠfACEŸ□o
20	20	'[—fCEffB

9 fsf“ fP□lfuf<

ŽŸ,ì•\,ì□AfRf“fsf...□lf^,ì 9 fsf“ fVfŠfAf< f|□lfg fRfIfNf^,ð□Af,fff€,ì 25 fsf“ fRfIfNf^,É□Ú'±,·,é•û-
 @,ðŽ!,μ,Ä,ç,Ü,·□B,Ü,½□ASù□»•i,lfP□lfuf<,ð□w“ü,·,é□è□±,í□AZŸ,ì•\,ÉŽ!,·,·,×,Ä,lfsf“,²□Ú'±,³,è,Ä,ç,é,±
 ,Æ,ðŠm”F,μ,Ä,,¾,¾,ç□B

f,fff€,É,æ,Ä,Ä,í□Afff□lf^ fZfbfg fCEffB (DSR) □M□t,²fLfffŠfACEŸ□o (DCD) □M□t,É•” —□l,ÉCE<□±,³,è,Ä,ç
 ,Ü,·□B,Ü,½□A^è•”,ì 1200bps f,fff€,â 2400bps f,fff€,Ä,í□AfffBfbfv fXfCfbf^,É,æ,è•W□€,Ä,±
 ,ì□Y`è,É,É,Ä,Ä,ç,Ü,·□B,μ,½,²,Ä,Ä□ACEÄ,Ñ□o,μ,ì listen 't,Éf,fff€,ì“dCE¹,²□Ø'f,³,è,é,Æ□A,Ü,©,lf,fff€,ì,æ,α,É
 DSR ,²•ì%o»,μ,È,ç,ì,Ä□AfŠf,□lfg fAfNfZfX fT□lfo□l,í□ó'Ö,ðCEŸ□o,Ä,«,Ü,¹,ñ□B

9 fsf“ fvfŠfAf< f □lfg fRfIfNf^	25 fsf“ f,fff€ fRfIfNf^	□M□t
1	8	fLfffŠfACEŸ□o
2	3	Žó□Mff□lf^
3	2	'—□Mff□lf^
4	20	'[—fCEffB
5	7	□M□t—pfOf %ofEf“fh
6	6	ff□lf^ fZfbfg fCEffB
7	4	'—□M—v<□

8	5	'—□M%oÅ
9	22	fŠf"fo fCf"fWfP□[fVf#f" (fIfvVf#f")

NULL f,fff€ ,İfP□[fuf<

NULL f,fff€ ,đŽg,Ä,Ä 2 'à,İfRf"fsf...□[f^ ,İŠÖ,Å'¼□ÚfVfŠfAf<□Ú'± ,đ□s,κ□ê□‡,İ□AfP□[fuf<,đŽŸ,İ•\,İ,æ,κ ,É□Ú'±,μ,È,˘,ê,Î,È,è,Û,¹,ñ□B

Šù□»•i,İ NULL f,fff€ fP□[fuf<,İ□³,μ,□Ú'±,³,ê,Ä,ç,È,ç,±,Æ,a, ,è,Û,·□B NULL f,fff€ ,İfP□[fuf<,ª 25 fsf" NULL f,fff€ ,İfP□[fuf<,İ•\,İ,æ,κ ,É□Ú'±,³,ê,Ä,ç,é,±,Æ,đŠm"F,μ,Ä,,¾,¾,³,ç□B

9 fsf" NULL f,fff€ ,İfP□[fuf<

fŠf,□[fg fzfXfg,İfVfŠfA f< f □[fg fRfIfNf^	CEÄ,Ñ□o,μ'κ ,İfVfXfef€ ,İfVfŠfAf< f □[fg fRfIfNf^	□M□t
3	2	'—□Mff□[f^
2	3	Žó□Mff□[f^
7	8	'—□M—v<□
8	7	'—□M%oÅ
6, 1	4	ff□[f^ fZfbfg fCEffB,ÆfLfffŠ fACEŸ□o
5	5	□M□t—pfOf %ofEf"fh
4	6, 1	'[--fCEffB

25 fsf" NULL f,fff€ ,İfP□[fuf<

fŠf,□[fg fzfXfg,İfVfŠfA f< f □[fg fRfIfNf^	CEÄ,Ñ□o,μ'κ ,İfVfXfef€ ,İfVfŠfAf< f □[fg fRfIfNf^	□M□t
2	3	'—□Mff□[f^
3	2	Žó□Mff□[f^
4	5	'—□M—v<□
5	4	'—□M%oÅ
6, 8	20	ff□[f^ fZfbfg fCEffB,ÆfLfffŠ fACEŸ□o
7	7	□M□t—pfOf %ofEf"fh
20	6, 8	'[--fCEffB

f,fff€,lfXfNfŠfvg ftf@fCf<,lŠT—v

RAS ,Á,í□A"Ä—pf,fff€ fhf%oCfo (Unimodem) ,ð'É,μ,Äf,fff€,ðfTf|□[fg,·,é,æ,α,É,È,è,Û,μ,½□B□]—
^,lfVfXfef€,É,Ä,ç,Ä,à□A,±,±,Á<L□q,³,é,éf,fff€,ð'ø,«'±,«fTf|□[fg,μ,Û,·□B, ,ç,©,¶,βfCf"fxfg□[f<,³,é,Ä,ç
,éfTf|□[fg'í□ÚŠO,lf,fff€,ð□AŠf,□[fg fAfNfZfX fT□[fX,Á<@"\\,·,é,æ,α,É□□—,·,é,É,í□A,»,lf,fff€—
p,lfGf"fgfŠ,ð MODEM.INF ftf@fCf<,É'Ç%oÁ,μ,Ä,,¾,¾,¾,ç□B

Unimodem ,ì□Ú□×,É,Ä,ç,Ä,í□Aftp://ftp.microsoft.com/developr/drg/modem/modemdev.exe
,É, ,éfTf@fCf< Mdk.doc ,Æ Reg.doc ,ðŽQ□Æ,μ,Ä,,¾,¾,¾,ç□B

Modemdev.exe ,íŽ©œÈ"WŠJCE^,ì^³□kftf@fCf<,Á,·□BŽÄ□s,·,é,Æ□AMdk.doc ,Æ Reg.doc ,ª"WŠJ,³,é,Û,·□B
'□ ,±,é,ç,lfTf@fCf<,í Windows 95 —p,lfhfLf..f□[fg,Á,·,ª□AZŸ,ÉŽ!,·—ì^æ^ÈŠO,ì"à—e,í□AWindows
NT ,É,à"—,Ä,í,Û,è,Û,·□B

- PnP (Plug and Play□Ffvf%oOfAf"fhfvfCEfC)
- %o¹□² INF □\ 'ç
- VoiceView ,lfTf|□[fg
- fpf%oofCEf< f|□[fg f,fff€

MODEM.INF ftf@fCf<

MODEM.INF ftf@fCf<,É,í□ARAS ,ÁfTf|□[fg,³,é,é,·,×,Ä,lf,fff€□A, ",æ,Ń□AŠef,fff€,ª□□í,É" @□ì,·,é,½,β,É•K—
v,ÉfRf}f"fh•¶Žš—ñ,Æ%ož"š•¶Žš—ñ,ª□Y'è,³,é,Ä,ç,Û,·□BfŠf,□[fg fAfNfZfX,lfCf"fxfg□[f<Žž,Éf,fff€
,ð'ìð,·,é,Æ□AfZfbfgfAfbfv fv□fOf%oof€,É,æ,è□A'ìð,μ,½f,fff€,ªŽw'è,μ,½'É□Mf|
□[fg,ªŠÖ~A•t,·,ç,é,Û,·□BfŠf,□[fg fAfNfZfX,ì□Ú'±ft□[fefBfŠfefB,í MODEM.INF ,ð"Ç,ÝŽæ,è□AŠe'É□Mf|
□[fg,ÉŠÖ~A•t,·,ç,é,½f,fff€—p,lfRf}f"fh•¶Žš—ñ,ðŽæ,è□o,μ,Û,·□BMODEM.INF ,í□A\systemroot\
System32\RAS fffBfCEfNfgfŠ,É, ,è,Û,·□B

Ši- {□\ 'ç

MODEM.INF ftf@fCf<,í□AZš,ÉŽŸ,ì 2 ,Ä,ì"•ª,Á□□—,³,é,Ä,ç,Û,·□B

- fOf□□[fof<,É [Responses] fZfNfVf#f"□B□ufOf□□[fof<,É%ož"š,ì—á□v,ðŽQ□Æ,μ,Ä,,¾,¾,¾,ç□B
,±,lfZfNfVf#f",É,í□AŠeŽif,fff€,ª•Ö,·<α'É,ì%ož"š•¶Žš—ñ,ª<L□q,³,é,Ä,ç,Û,·□B
- fTf|□[fg'í□Ú,lf,fff€,²,Æ,lfZfNfVf#f" (—á□F [AT&T Comsphere 3820].)□B□uf,fff€ fZfNfVf#f",ì—
á□v,ðŽQ□Æ,μ,Ä,,¾,¾,¾,ç□B
f,fff€ fZfNfVf#f",É,í□AZŸ,ì,æ,α,ÉfRf}f"fh•¶Žš—ñ,ª<L□q,³,é,Ä,ç,Û,·□B
- □%oŠú%o»
- f_fCf,,f<
- %ož"š

fTf|□[fg,³,é,Ä,ç,É,çf,fff€,ðŽg,Á,Ä□Ú'±,·,é,É,í□AMODEM.INF ftf@fCf<,ð□C□³,·,é•K—
v,ª, ,è,Û,·□B□Ú□×,É,Ä,ç,Ä,í□A□uMODEM.INF ,ð□C□³,·,é□v,ðŽQ□Æ,μ,Ä,,¾,¾,¾,ç□B

ŠÖ~A□€—Ú

f,fff€,lŠg'£:<@"\,ðŽg,α,½,β,ì—vCE□

MODEM.INF ,ì□\•¶

fof [fof<,È%ž“š,ì—á

ŽŸ,ÉŽ!,.,ì, [AMODEM.INF ftf@fCf<,ìfOf [fof<,È%ž“šfZfNfVf+f“,É<Lq,³,è,é“TÉ^“i,ÈfGf“fgfš,ì—á,Å,·B

[Responses]

OK=<cr><lf>**OK**<cr><lf>
OK=<hFF><cr><lf>**OK**<cr><lf>
LOOP=<cr><lf>RING<cr><lf>
LOOP=<cr><lf>RRING<cr><lf>
LOOP=<cr><lf>RINGING<cr><lf>
LOOP=<cr><lf>DIALING<cr><lf>
ERROR=<cr><lf>ERROR<cr><lf>
ERROR=<cr><lf>ABORTED<cr><lf>
ERROR_NO_CARRIER=<cr><lf>NO CARRIER<cr><lf>
ERROR_VOICE=<cr><lf>VOICE<cr><lf>
ERROR_NO_DIALTONE=<cr><lf>NO DIALTONE<cr><lf>
ERROR_NO_DIALTONE=<cr><lf>NO DIAL TONE<cr><lf>
ERROR_BUSY=<cr><lf>BUSY<cr><lf>
ERROR_NO_ANSWER=<cr><lf>NO ANSWER<cr><lf>
ERROR_NO_PROMPTTONE=<cr><lf>NO PROMPTTONE<cr><lf>
CONNECT_EC=\
<cr><lf>CARRIER <carrierbps><cr><lf><append>\
<cr><lf>PROTOCOL: V.42/LAPM<cr><lf>\
<cr><lf>COMPRESSION: V.42BIS<cr><lf>\
<cr><lf>CONNECT <connectbps><cr><lf>

LOOP

LOOP ,ÉŠÜ,Ü,ê,éî•ñ,í□AZŸ,É,Ù,©,ì%ž“š,â—,ç,ê,Ä,,é,Æ,ç,±,±,Æ,¾,¯,Å,·□BfŠf,□[fg fAfNfZfX,í□A,»,ì
%ž“š,â—,ç,ê,Ä,,é,Ü,Å,í□AZŸ,ì“@□ì,É“ü,ç,,É‘Ò,¿,Ü,·□BLOOP ,Ü,½,í LOOP_ ,ÅŽn,Ü,é
%ž“šfL□[f□□[fh,í,·,×,Ä□A,±,ê,Æ“¯,¶,æ,±,É<@“\,μ,Ü,·□B

ERROR

f,fff€,ÉfRf}}f“fh,â—M,³,ê,½¼¼CĚă,ÉAf,fff€,âfGf%oo[,ð•Ô,μ,½,±,Æ,ðŽ!,μ,Û,·B,±,ì%ž“š,ÍA,½,ç,Ä,ç
,ìêê#Af,fff€,É—M,³,ê,½fRf}}f“fh•ŕŽš—ñ,â³,μ,,È,ç,±,Æ,ð^Ó-ì,μ,Û,·BWindows NT
fnfCfp[[f^[]f~fif<,ðŽg,Á,Äf,fff€,ðfefXfg,μA,Ç,ìfRf}}f“fh,âfGf%oo[,ìCĚ
^^ö,É,È,Á,½,©,ð²,x,ÄA³,μ,çfRf}}f“fh•ŕŽš—ñ,ðŠm”F,μ,Ä,,¾,¾,çBfefXfg•û-@,É,Á,ç,Ä,ÍA[]uf,fff€
ðfefXfg,:é[]v,ðŽQ[]Æ,μ,Ä,,¾,¾,çB
,Û,©,ìfRf}}f“fh,ð•t,~, ,É[]uAT[]v,Æ,ç,xfRf}}f“fh,¾,~“ü—Í,μ,Ä,,¾,¾,çB,±,ìC<%oÊfGf
%oo[,â•Ô,³,ê,é[]ê[]#,ÍAf,fff€,ìfn[]fhfEfFfA,É-â`è,â, ,é,ÆŽv,í,ê,Û,·Bf,fff€,ì“dCĚ¹,ð[]Ø,Á,Ä,©,ç-ñ 20
•bŠÔ`Ò,ì[]A“dCĚ¹,ð“ü,ê`¼,μ,Ä-â`è,â%ooðCĚ^,³,ê,é,©,Ç,æ,©,ð²,x,Ä,,¾,¾,çB,±,ê,Ä-â`è,â
%ooðCĚ^,³,ê,É,ç[]ê[]#,ÍAf,fff€,ì[]»`çCĚ³,É-â,ç[]#,í¹,Ä,,¾,¾,çB

CONNECT

□Ú±,ªŠm—š,³,ê,½,±,Æ,ðŽ|,μ,Ü,·□B

OK

f, fff€, @fRf}f“fh, đŽóM, μA³í, É^—, μ, ½, ±, Æ, đŽ!, μ, Û, ·B

CONNECT_EC

f,fff€,lfGf%□[□\$€ä<@“\,Ü,½,í^³□k<@“\,ªfjf“,É,È,Á,½□ó‘Ô,Å□Ú‘±,³,ê,½,±,Æ,ðŽ¡,µ,Ü,·□B

f,fff€ fzjNfvjtf“,i—á

ŽŸ,ÉŽ!,.,i,í□AMODEM.INF ftj@fCf<,i“TCE^“i,Èf,fff€ fzjNfvjtf“,i—á,Á,·□B

```
[AT&T Comsphere 3820]
<speaker_on>=M1
<speaker_off>=M0
<hwflowcontrol_on>=\\Q3
<hwflowcontrol_off>=\\Q0
<compression_on>=%C1"H3
<compression_off>=%C0"H0
<protocol_on>=\\N5
<protocol_off>=\\N0
CALLBACKTIME=10
DEFAULTTOFF=compression
MAXCARRIERBPS=14400
MAXCONNECTBPS=38400
COMMAND_INIT=AT&F&C1&D2 V1 X7 S0=0 S2=128 S7=55<cr>
COMMAND_INIT=AT<hwflowcontrol><compression><protocol><speaker><cr>
COMMAND_LISTEN=ATS0=1<cr>
COMMAND_DIAL=ATDT<phonenumber><cr>
```

CALLBACKTIME

fT[fO[,afNf%ofCfAf"fg,ÉfR[f·fjfbfN,·,é,Ü,Å,É'Ò<@,·,é•b",ðŽw'è,μ,Û,·B,±,ìŽžŠÔ,íAfNf
%ofCfAf"fg,lf,fff€,afŠfZfbfg,Å,«,é,æ,α,É,·,é,½,ß,ÉY,·,é'x%o,,ŽžŠÔ,Å,·BÅ%o,í 10 •b,ðŽw'è,μA-
â'è,â, ,é,î'l,ð'â,μ,Ä,,¾,¾,çB

DEFAULTOFF

fjf", ©fift,ÉŸ'è,Å,«,éf}fNf□,ì,κ,ζ□AŠù'è,ìŸ'è,Åfift,É,μ,Ä,"}f}fNf□,ð—ñ<" ,μ,ÄŽw'è,μ,Ü,·□B,±,±
,ÉŽw'è,μ,½f}fNf□,í□ARasphone.exe ,Åfjf",É•ï□X,³,ê,È,†ÆÀ,è□Afift,ì,Ü,Ü,É,È,è,Ü,·□B

MAXCARRIERBPS

fNf%oCfAf“fg,lf,fff€,ÆfŠf,[]fg fAfNfZfX fT[]fo[][,lf,fff€,³ff[]f^,ðCEðŠ.,,é,Æ,«,ìÅ'â'¬“x (“d~b%ñü,Å,ì
bps 'P^Ê,ì'ÊM'¬“x) ,ðŽw'è,μ,Û,·B,±,ì'¬“x,É,íAí,É MAXCONNECTBPS ,ÉŽw'è,μ,½'l^È
%º,ì'l,ðŽw'è,μ,Ä,,¾,¾,¾,¾B

MAXCONNECTBPS

f,fff€,©,çfRf“fsf...[]f^,Ö’—[]M,·,é,Æ,«,ì[]Å’â’-“x (DCE ,©,ç DTE ,Ö,ì bps ’P^Ê,Å,ì’Ê[]M’-“x)
,đŽw’è,μ,Ü,·[]B,±,ì’l,É,í[]A,»,ìf,fff€,ÅfTf|[]fg,Å,«,é[]Å’â,ìfVfŠfAf< f|[]fg’Ê[]M’-“x,đ[]Ý’è,μ,Ä,³/4,³,ç[]B

speaker

f,fff€,jfxfs□[fj□[,ðfjf“,Ü,½,íift,É,μ,Ü,·□B

protocol

fGf%°[]\$Eä<@"\,øf|f",Ü,½,Í|ft,É,μ,Ü,·B

compression

f,fff€,i^3k<@"\,ðflf",Ü,½,Íflft,É,μ,Ü,·B

hwflowcontrol

COM f[]fg,Æj,fff€,Æ,ìŠÔ,Åfn[]fhfEjFfA ftf[][]\$CEä,ðŽg,¸,©,Ç,¸,©,ð[]Af,fff€,ÉŽwŽ!,μ,Û,·[]B

cr

fLfffŠfbfW fŠf^[]f“,ð’}“ü,μ,Ü,·[]B

If

f%ofCf“ ftfB[fh,δ’}“ü,μ,Ü,·□B

match

fffofCfX, ©, ç, ì%ž"š, ì't, É□A^ø—p•,, Å^í, ñ, ¾•¶Žš—ñ, æ©, Â, ©, é, Æ□A^ê'v, μ, ½, ±
, Æ, ð•ñ□□, μ, Ü, ·□B, ½, Æ, ¡, î□A<match>"Smith" , ÆŽw'è, ·, é, Æ□A"Jane Smith" , â "John Smith III" , È, Ç, ì
%ž"š, ðŽó, -Žæ, Á, ½, Æ, «, É□A%ž"š, æ^ê'v, μ, ½, Æ©, È, ³, ê, Ü, ·□B

?

f[]fCf<fhfj[]fh•¶žš,đ'}“ü,μ,Ü,·[]B,½,Æ,¡,Î[]ACO<?><?>2 ,Í COOL2 ,â COAT2 ,Æ^è'v,μ,Ü,·,ª[]ACool3
,Æ,Í^è'v,μ,Ü,¹,ñ[]B

phonenummer

f_fCf,,f<fAfbfv flfbfgf□□[fN,ì“d~b’ ,É“ü—í,³,ê,Ä,ç,é“d~b”Ô□†,öf_fCf,,f<,μ,Ü,·□B

carrierbps

fNf%oCfAf"fg,lf,fff€,ÆfŠf,□[fg fAfNfZfX fT□[fo□[,lf,fff€,iŠÔ,iff□[f^"J'—'—"x ("d~b%oñ□ü,Å,i bps
'P^Ê,i'Ê□M'—"x)□B

connectbps

f,fff€,©,çfRf“fsf...[]f^,Ö’—□M,·,é,Æ,«,ì’-“x (DCE ,©,ç DTE ,Ö,ì bps ‘P^Ê,Å,ì’Ê□M’-“x)□B

append

í•ň,đ•i” ,lfZfOf“fg,É•š,,μAf,fff€,©,ç’—,ç,ê,Ä,«,½fZfOf“fg,íA1 “x,É 1 ,Ä,,ÄžóM,³,é,Ü,·BfNf
%ofCfAf“fg,íAfZfOf“fgšÔ,É’x%o,,žžšÔ,š”¶,·,é,±,Æ,đ’z’è,μA,·,x,Ä,ìí•ň,đžóM,·,é,Ü,Å’Ò,¿,Ü,·B

ignore

f}fNf, ©,ç,ì%ž“š,ìŽc,è,ì•”•ª,ð-³Ž<,μ,Û,·B,½,Æ,ì,îA<cr><lf>CONNECT<ignore>
,Æ<Lq,·,é,ÆA"crIfCONNECTV-1.1" ,Æ "crIfCONNECTV-2.3" ,Æ,ç,æ%ž“š,ð“”,¶,à,ì,Æ,μ,Ä“Ç,Ýž,Ý,Û,·B

hXX (XX ,í 16 □i□”)

•ŕŽš—ň,É 16 □i□”,Å□”’l,đ’}“ü,Å,«,Ü,·□Bfjf<•ŕŽš,í□A<h00> ,É,È,è,Ü,·□B

diagnostics

X.25 flfbfgf [fN,ð%oi,μ,½Ú'±,ÉŽ, "s,·,é,Æ APAD ,©,ç f'fî•ñ,a•Ô,³,ê,Û,· Bdiagnostics f}fNf,íA-
â'è,ðž~•Ê,μ,â,·,ç,æ,κ,ÉA,±,ìî•ñ,ðžúW,μ,Ä%œ-Ê,É•Ž!,μ,Û,·B,±,ì-\-ñÆê,í APAD.INF
ftf@fCf<,ÅŽg,í,ê,Û,·B

facilities

'Ê~b—¿<à,ð'...Mæ,ª•%oS,·,é,æ,κ,ÉŽw'è,·,é /R ,È,Ç,lfpf%of[]f^,ðŽw'è,μ,Û,·B

x25address

fŠf.[]fg fAfNfZfX fT[]fo[][,đĀÄ,Ño.,½,ß,ì X.121 fAfhfĀfX (X.25 ,ÅA'Êí,ì“d~b”Ôt,É'î%ž,.,éî•ň)
,đŽw'è,μ,Û,·B

x25pad

Žg—p,·,é X.25 Packet Assembler/Disassembler (PAD) ,ìŽí—p,đŽw'è,μ,Ü,·□Bf_fCf,,f<fAfbfv PAD
,ì□ê□†,í□AX.25 ,ìfvf□fofCf_—¼,Æ,È,è,Ü,·□B

userdata

X.25 fzfxfg fRf"fsf...[f^, ©,ç—v□,³,ê,é,»,ì¼,i□ú'±□î•ñ,ðžw'è,μ,Û,·□B

message

f,fff€,È,Ç,lfjfofCfX,©,çŽó□M,μ,½-¢□^—□□î•ñ□BfGf%□□l,â"□□,μ,½,Æ,«,É□A,±,ì□î•ñ,â%□□æ-Ê,É•\Ž! ,³,ê□A-â'è,ð%□□đ□É^ ,·,é,½,B,ìŽè,â,©,è,Æ,È,è,Ü,·□B,±,ì—\-ñ□Éê,Í□A.INI ftf@fCf<,Å,ÍŽg,í,è,Ü,¹,ñ□B

MODEM.INF ,đC³,·,é

fšf,[]fg fAfNfZfX fT[]fxfX,ÁfTf[]fg,³,è,Ä,ç,È,çf,fff€,đŽg,Á,ÄÚ±,·,é,É,í[]AMODEM.INF
ftf@fCf<,đC³,μ,È,·,è,î,È,è,Ü,¹,ñ[]B

MODEM.INF ,đC³,·,é,É,í

1 Šù‘¶,ì MODEM.INF ftf@fCf<,đfofbfNfAfbfv,μ,Ü,·[]B

2 Šù‘¶,ìfZfNfVfj““,đftf@fCf<,ì[]ÁCEä,ÉfRfs[],μ[]AZÿ,É[]AfRfs[],μ,½fZfNfVfj““,ìfZfNfVfj““ fwfbf_[][,đf,fff€
,ì-¼‘O,É·ì[]X,μ,Ü,·[]B

fZfNfVfj““ fwfbf_[][,í 31 ·¶Žš^È“à,É,μ,Ä,,¾,¾,ç[]B,±
,ìfRfs[],.đ.Ö[]W,μ,Ä[]A[]V,μ,çfGf“fgfš,đ[]i[]-,μ,Ü,·[]B

3 Žÿ,ì·¶Žš—ñ,đ“ü—í,μ,Ü,·[]B

- []%Šú%»·¶Žš—ñ
- f_fCf,,f<·¶Žš—ñ
- %ž“š·¶Žš—ñ
- []%Šú%»·¶Žš—ñ,ì[]AZÿ,ì—vCE[],đ-ž,½,¾,³,È,·,è,î,È,è,Ü,¹,ñ[]B
- []H[]ê[]o%×Žž,ì[]Y“è,đfšfR[][f<,μ,Ü,·[]B
- fLfffšfACEÿ[]o (DCD) ,ì%ž“š (fLfffšfA,đCEÿ[]o,·,é,Æ HIGH ,É,È,è,Ü,·) ,đ‘Ç[]Ö,μ,Ü,·[]B
- ‘[—fCEfffB (DTR) ,ª ON (HIGH) ,©,ç OFF (LOW) ,É·í,í,Á,½,ç[]A%ň[]ü,đ[]Ø‘f,μ[]AZ©“®%ž“š<@“\
,đ-³CEø,É,μ,Ü,·[]B
- CE<%ÉfR[][fh,đ·Ö,μ,Ü,·[]B
- []Ü[]×fR[][fh,đ·Ö,μ,Ü,·[]B
- fRf}f“fh f,[][fh,Á,ì·¶ŽšfGfR[][,đ—LCEø,É,μ,Ü,·[]B
- -ñ 55 ·bšÖfLfffšfA,đ‘Ö,ì,Ü,·[]B
- +++ fGfXfP[][fv fV[][fPf“fX,đ-³CEø,É,μ,Ü,·[]B

f_fCf,,f<·¶Žš—ñ,ì[]AZÿ,ì—vCE[],đ-ž,½,¾,³,È,·,è,î,È,è,Ü,¹,ñ[]B
%ň[]ü,đfift ftfbfN,É,μ,Äf_fCf,,f<,μ,Ü,·[]B

- %ž“š·¶Žš—ñ,ì[]AZÿ,ì—vCE[],đ-ž,½,¾,³,È,·,è,î,È,è,Ü,¹,ñ[]B
- CEÄ,Ñ[]o,μ%¹,ª 1 %ň,É,Á,½CEä,É%ž“š,μ,Ü,·[]B

fRf}f“fh·¶Žš—ñ,ì[]Ü[]×,É,Á,ç,Ä,ì[]A[]uf,fff€ fRf}f“fh[]v,đŽQ[]Æ,μ,Ä,,¾,¾,ç[]B

4 f,fff€,ìf}fj...fAf<,Ä[]A,»,ìf,fff€,ì%ž“š (CE<%É·¶Žš—ñ) ,ªŠù,É MODEM.INF ,ìfOf[][]fof<
fZfNfVfj““,ÉŠÜ,Ü,è,Ä,ç,é,©,Ç,¤,©,đ’²,×,Ü,·[]BŠÜ,Ü,è,Ä,ç,é[]ê[]±,ì[]A,»,ì%ž“š,É·ì[]X,đ%Á,ì,é·K—v,í, ,
è,Ü,¹,ñ[]BŠÜ,Ü,è,Ä,ç,É,ç[]ê[]±,ì[]Af,fff€ fZfNfVfj““,É,»,ìf,fff€[]ê—p,ì%ž“š,đ[]i[]-,Á,«,Ü,·[]B
%ž“š,ì[]Ü[]×,É,Á,ç,Ä,ì[]u%ž“š[]v,đŽQ[]Æ,μ,Ä,,¾,¾,ç[]B

‘[] —Šú,μ,È,çCE<%É,đ“đ,·,é,½,ß,É[]AMODEM.INF ,ìfOf[][]fof<,È%ž“šfZfNfVfj““,É%ž“š,đ‘Ç
%Á,μ,½,è[]A,±,ìfZfNfVfj““,©,ç%ž“š,đ[]í[]œ,μ,½,è,μ,È,ç,Ä,,¾,¾,ç[]B

ŠÖ~A[]€-Ü

f,fff€,ìšg‘£<@“\,đŽg,¤,½,ß,ì—vCE[]

f,fff€,ìŠg'£<@"\,ðŽg,¼,½,B,ì—vCE

fTf|[]fg,³,è,Ä,ç,È,çf,fff€—p,ìf,fff€ fZfNfVf#f“,ðV,μ,[]□—,μ,Ä,ç,é[]ê[]#,í[]AZŽY,ì—vCE,ðY'è,μ,Ä[]Af,fff€ ,ìŠg'£<@"\,ð—LCEø,É,μ,Ä,,¾,³,ç[]B

- fn[][fhfEfFfA (CTS/RTS) ftf[][]\$CEäflf“
- fn[][fhfEfFfA (CTS/RTS) ftf[][]\$CEäflft
- fGf%[][]\$CEäfvf[]fgfRf< flf“

Ž©“@“l,É[]AfIJSfVfG[]fVf#f“,É[]—CE÷,μ,½[]Å,à[]M—Š[]«,ì[],,çfvf[]fgfRf<,²'l'ð,³,è,Ü,·[]B,Ü,,[]AV.42 (LAP-M) ,©,çfIJSfVfG[]fVf#f“,²ŠJŽn,³,è[]A[]#,É[]AMNP4[]AfGf%[][]\$CEà,È,μ,ÆfCEfxf<,²%°°,°,ç,è,Ü,·[]BŽg—p,μ,Ä,ç,éf,fff€,² V.42 ,ðTf|[]fg,μ,Ä,ç,È,ç[]ê[]#,í[]AfIJSfVfG[]fVf#f“,í[]AMNP4 ,©,çŠJŽn,³,è,Ü,·[]B

- fGf%[][]\$CEäfvf[]fgfRf< flft
- ^³[]kflf“

Ž©“@“l,É[]AfIJSfVfG[]fVf#f“,É[]—CE÷,μ,½[]Å,à[]CEø—!,ì,æ,çfvf[]fgfRf<,²'l'ð,³,è,Ü,·[]B,Ü,,[]AV.42bis ,©,çfIJSfVfG[]fVf#f“,²ŠJŽn,³,è[]A[]#,É[]AMNP5[]A^³[]k,È,μ,ÆfCEfxf<,²%°°,°,ç,è,Ü,·[]BŽg—p,μ,Ä,ç,éf,fff€,² V.42bis ,ðTf|[]fg,μ,Ä,ç,È,ç[]ê[]#,í[]AfIJSfVfG[]fVf#f“,í[]AMNP5 ,©,çŠJŽn,³,è,Ü,·[]B

- ^³[]kflft

ŠÖ~A[]€-Ú

f,fff€,ì<@"\,ðY'è,·,é

MODEM.INF ,ì\•¶

MODEM.INF ftf@fCf<,ì“TCE^“I,Èf,fff€ fGf“fgfŠ,É,íAŽŸ,ì\□¬—v‘f,ŠÜ,Ü,è,Ü,·□B□Å□%o,ì 4 ,Â,Í□A,±,±,ÉŽ!,·,Æ,“,è,ì□#□~ ,Å<L□q,μ,Ü,·□BfRf□f“fg□s,Í,Ç,±,É“ü,è,Ä,à,©,Ü,ç,Ü,¹,ñ□B

- fZfNfVf#f“ fwfbf_□□
- □\□¬fpf%of□□[f^
- ‘â“üf}fNf□‘è<
- fRf}f“fh
- fRf□f“fg□s

ŠÖ~A□€-Ú

%oŽ“Š

□s,ìCEp‘±

fGfCfŠfAfX,öŠ,,è“- ,Ä,é

fZfNfVfjf“ fwfbf_[]

,±,ìfZfNfVfjf“,ª“K—p,³,ê,é“Á’è,ìfffofCfX,ðŽ-•Ê,μ,Û,·[]B’Êí[]AMODEM.INF ,ìfZfNfVfjf“
fwfbf_[][,É,í[]Af,fff€,ì[]»’çCE³-¼,Æ<@Ží-¼,ª<L[]q,³,ê,Û,·[]BfZfNfVfjf“ fwfbf_[][,í[]AŠp,©,Á,±,Å^í,Û,ê,½ 32
•¶Žš^È“à,ì•¶Žš—ñ,Å, ,è[]AŠefZfNfVfjf“,ì 1 []s-Ú,É’u,©,ê,Û,·[]B,½,Æ,¡,î[]A[AT&T Comsphere] ,ì,æ,ª
,É,È,è,Û,·[]B

□\□-fpf%of□□[f^

fŠf,□[fg fAfNfZfX,í□A□\□-fpf%of□□[f^,đŽg,Á,Äf,fff€,đ'€□ì,μ,Ü,·□B□\□-fpf
%of□□[f^,ì□Ž®,í□AZŽŸ,ì,Æ,¨,è,Å,·□B

parameter_name=value_string

ŽŸ,É-á,đŽì,μ,Ü,·□B

MAXCARRIERBPS=9600

CALLBACKTIME=8

'ã"űf}fNf'è<`

'ã"űf}fNf,Æ,ÍAfrf}f"fh•¶Žš—ñ,ì't,ÅAŽÀÜ,ì'l,É'uŠ·,³,ê,évfCE[fXfzf<f_,Å,·Bf}fNf,ÍAZŽÿ,ì<K'¥,É],
,ç,Ü,·B

- MODEM.INF ftf@fCf<,ÅAf}fNf,ÍÅ%,ìfrf}f"fh,ì'O,É,È,~,ê,Î,È,è,Ü,¹,ñB,Ü,½A^è"Ê,ÉA□□~fpf
%of□□[f^,ìCEã,É<L□q,μ,Ü,·B
- f}fNf-¼,ÍA•s"™ □t (< >),Å^Í,Ü,È,~,ê,Î,È,è,Ü,¹,ñB

Žÿ,É—á,ðŽ!,μ,Ü,·B

<reset>=&F

<speaker_on>=M1

<speaker_off>=M0

□Ú□x,É,Â,ç,Ä,ÍA□u'ã"űf}fNf□□v,ðŽQ□Æ,μ,Ä,,¾,¾,ç□B

fRf}f“fh

fRf}f“fh,Æ,í□Af,fff€,É'—□M,³,ê,é•¶Žš—ň,Å,·□B,±,ì•¶Žš—ň,É,í□Af}fNf□,ð“ü,ê,é,±,Æ,²,Å,«,Ü,·□BfRf}f“fh•¶Žš—ň,ì'Ž®,íŽŸ,ì,Æ,“,è,Å,·□B

command_keyword=value_string

□Ú□x,É,Å,ç,Ä,í□A□uf,fff€ fRf}f“fh□v,ðŽQ□Æ,μ,Ä,,³/₄,³,ç□B

frf"fgs

frf"fgs,íZf~frf" (;) ,ÅŽn,Ü,èAftf@fCf<"à,ì" C^Ó,ì%ÓŠ,É'u,,±
,Æ,ª,Å,«,Ü,·Bfrf"fgs,É,íA.INF ftf@fCf<,ð•ÚŽç,·,éft[fU[,É,Æ,Á,Äd—v,Èî•ñ,ªŠÜ,Ü,ê,Ä,ç
,Ü,·BŽŸ,É—á,ðŽ!,μ,Ü,·B

- ; Explanation of modem commands
- ; &F Reset modem to factory default settings
- ; &C1 DCD tracks presence of modem carrier
- ; &D2 Hangup & disable autoanswer when DTR goes from ON TO OFF

'ã"üf}fNf

ŽŸ,ì·\,ÉŽì,·,æ,æ,ÉA'ã"üf}fNf,í 2 Ží—p, ,è,Ü,·B

f}fNf,ílfXfg,Á,«,Ü,¹,ñB~A'±,·,é 2 ,Á,ìQ·s"™Qt,í 1 ,Á,ìQ·s"™Qt,Æ,μ,Ä%øŽŽ³,éA~A'±,·,é 2 ,Á,ì%øE·s"™Qt,í 1 ,Á,ì%øE·s"™Qt,Æ,μ,Ä%øŽŽ³,é,Ü,·B,±,ì·ù-@,Á·s"™Qt,ðŽw'è,·,é,±,Æ,É,æ,èA·K—v,É%øž,¶,ÄfRf}f"fh·¶Žš—ñ,ÉQ·s"™Qt,Æ%øE·s"™Qt,ðŽg—p,Á,«,Ü,·B

f}fNf,íŽí	Q'Ž®
—p	
'PQ€	<macro_name>=value_string
"ñQ€	<macro_name_ON>=value_string
	<macro_name_OFF>=value_string

"ñQ€f}fNf

fRf}f"fh AT<reset><cr> ,íAAT&F<cr> ,Æ,μ,Ä'—M,³,é,Ü,·B"ñQ€f}fNf,ívfC[fXfzf<f_,íAft[fU[,©,ç,ìŽwŽì,É,Á,Ä'uš,³,é,Ü,·B,½,Æ,ì,íAft[fU[,¶Xfs[fj[,ð—³CEø,É,μ,½Qè¶AfRf}f"fh AT<speaker><cr> ,í ATM0<cr> ,Æ,μ,Ä'—M,³,é,Ü,·Bft[fU[,¶Xfs[fj[,ð—LCEø,É,μ,½Qè¶AfRf}f"fh AT<speaker><cr> ,í ATM1<cr> ,Æ,μ,Ä'—M,³,é,Ü,·B

speaker A**protocol** A**compression** A**hwflowcontrol** ,È,Ç,ì"ñQ€f}fNf,íAŽŸ,ì,æ,æ,É'è<` ,μ,Ü,·B

<speaker_on>=M1
<speaker_off>=M0

'l,Æ,μ,ÄŽg,æ,Æ,«,íAŽŸ,ì—á,ì,æ,æ,ÉŽg,ç,Ü,·B

COMMAND_INIT=AT<speaker><cr>

%øž"š,Á,íf}fNf

^ê·",ì%øž"š,É,àf}fNf,ðŽg—p,Á,«,Ü,·B%øž"š·¶Žš—ñ"à,ì,Ü,Æ,ñ,Ç,íf}fNf,íAfRf}f"fh"à,íf}fNf,Æ" ,¶,æ,æ,É" @i,μ,Ü,·B,½,³/₄,μA**carrierbps** A**x25address** ,È,Ç,ì^ê·",íf}fNf,íA'ÉM'—"x,È,Ç,ìî·ñ,ðffofCfX,ì%øž"š·¶Žš—ñ,©,çŽæ"³/₄,μ,Ü,·B

fŠf,ífg fAfNzfX ft[írfX,Á,íA%øž"š·¶Žš—ñ,ì't,Á **match** A? A**append** A**hXX** A**ignore** ,È,Ç,ðŽg,Á,Äf,ff€E,Ü,½,í,»,ì¹/₄,íffofCfX,©,ç,ì%øž"š,ð" FŽ" ,Á,«,Ü,·B

—\-ñCEè

ŽŸ,ì^è—,íf}fNf,í—\-ñCEè,Á,·B[V,μ,çf}fNf,ðQì—,·,é,Æ,«,ÉA,±,é,ç,íf}fNf,í MODEM.INF ,É'è<` ,Á,«,Ü,¹,ñB—\-ñCEè,Á,íA'ã·¶Žš,ÆQ—·¶Žš,æ<æ·É,³,é,Ü,¹,ñB

- carrierbps
- connectbps
- message
- phonenummer
- cr
- lf
- match
- ?
- append
- ignore

- hXX

PAD.INF ftj@fCf<,Å,í□AŽŸ,ì—\-ñĀĕĕ,ªŽg,í,ĕ,Ä,č,Ü,·□B

- diagnostics
- facilities
- x25address
- x25pad
- userdata

'□ —\-ñĀĕĕ,đf}fNf□-¼,Æ,μ,Ä'è<` ,μ,½□ĕ□‡,ĭŤf,□[fg fAfnfZfX f\ftfgfEfFfA,ì“®□ì,í—\ª,Ä,«,Ü,¹,ñ□B

f,fff€ fRf}f“fh

—p^Ó,³,ê,Ä,ç,éRf}f“fh fL□[f□□[fh (fRf}f“fh,ìŽí—p) ,í□AZŽŸ,ì,Æ,“,è,Á,·□B

- COMMAND_INIT
- COMMAND_DIAL
- COMMAND_LISTEN

“Á'è,ìŽí—p,ìfRf}f“fh,í□AMODEM.INF ftf@fCf<,É<L□q,³,ê,Ä,ç,é□#□~,É□],Á,ÄŽÀ□s,³,ê,Ü,·□BŽŸ,ì MODEM.INF
,ì—á,ÉŽ,³,ê,é,æ,α,É□A^è”É,É 1 ,Á,ìŽí—p,ìf,fff€,ìfRf}f“fh,í□A,Ü,Æ,ß,Ä<L□q,³,ê,Ü,·□B

```
COMMAND_INIT=AT&F&C1&D2 V1 S0=0 S2=128 S7=55 W0 \  
S95=44<speaker><protocol><compression><hwflowcontrol><cr>  
COMMAND_LISTEN=ATS0=1<cr>  
COMMAND_DIAL=ATDT<phonenumber><cr>
```

•i□”,ìfRf}f“fh•ŸŽš—ñ

,Ü,Æ,ñ,Ç,ìf,fff€,Á,í -ñ 50 •ŸŽš,Ü,Á,ì•ŸŽš—ñ,μ,©Žg—p,Á,«,É,ç,½,ß□AfŠf,□[fg

fAfNfZfX,Á,í•i□”,ìfRf}f“fh•ŸŽš—ñ,afTf|□[fg,³,ê,Ä,ç

,Ü,·□B,»,ì,½,ß□AfRf}f“fh,af',·,·,·,é□è□#,í□AfRf}f“fh,ð•aŠ,,μ□Af,fff€,ÁŽg—p%oÁ”\,É•ŸŽš—ñ,É,·,é,±
,Æ,ª,Á,«,Ü,·□B

•i□”,ìfRf}f“fh•ŸŽš—ñ,ðŽg,α,Æ□A'O□o,ì—á,ì□Á□%o,ì□s,ð□AZŽŸ,ì,æ,α,É□',«Š,!,é,±,Æ,ª,Á,«,Ü,·□B

```
COMMAND_INIT=AT&F&C1&D2 V1 S0=0 S2=128 S7=55 W0 S95=44<cr>  
COMMAND_INIT=AT<speaker><protocol><compression><hwflowcontrol><cr>
```

fRf}f“fh•ŸŽš—ñ,ð•aŠ,,·,é□è□#,í□AZŽŸ,ì“_É'□^Ó,μ,Ä,,¾,³,ç□B

- •ŸŽš—ñŽ©'í,ª 1 ,Á,ìfRf}f“fh,É,É,è,Ü,·□B
- AT ,ÁŽn,Ü,è□AfLfffŠfbfW fŠf^□[f“ (<cr>) ,Á□i,í,è,Ü,·□B
- %oŽ“š,ðŽó, Žæ,Á,Ä,©,çŽŸ,ì•ŸŽš—ñ,É□i,Ý,Ü,·□B

COMMAND_INIT

f,fff€,đ□%Šú%»μ,Û,·□B

COMMAND_DIAL

"d~b"Ô□†,öf_fCf,,f<,μ□A□Ú'±,μ,Û,·□B

COMMAND_LISTEN

f,fff€,đŽ©“®%ž“šf,[]fh,É[]Ý'è,μ,Û,·[]Bf,fff€,đCEÄ,Ń[]o,μ%°¹,ª-Â,Á,½,ç%ž“š,·,é,æ,x
,É[]Ý'è,·,éfR[]fh,É,Â,ç,Ä,Í[]AŠef,fff€,[]f}fjf...fAf<,đŽQ[]Æ,μ,Ä,,¾,³,ç[]B

%ož“š

fRf}f“fh%ož“šfZfbfg,íA1 CEÂ,lfRf}f“fh,ÆA,»è,É±,ff[CEÂ^Èä,ì%ož“š,©,ç□□□,³,è,Ü,·□B
%ož“š,í□AfffofCfX,©,çŽóM,·,é,Æ—\z,³,è,é•¶Žš—ñ,Å□Af}fNf□,ðŠÜ,ß,é,±,Æ,ª,Å,«,Ü,·□B
%ož“š,ì□Ž@,ìŽŸ,ì,Æ,¨,è,Å,·□B

keyword=value_string

MODEM.INF ftf@fCf<,É,í□AZŸ,ì 2 Ží—p,ì%ož“š,ªŠÜ,Ü,è,Å,ç,Ü,·□B

%ož“š,ìŽí—p	<L□q□è□Š
fOf□□[fof<	[Responses] fZfNfVf#f““à
fvf%ofCfx□[fg	%ož“š,ð□¶□□,·,é,Æ —\z,³,è,é¶Rf}f“fh f %ofCf“,ì'¼CEã□A,¨,æ,ÑŽŸ, lfRf}f“fh f%ofCf“,ì'O

fOf□□[fof<,È%ož“š

,Ü,Æ,ñ,ç,lf,fff€,ÉŽg,í,è,é%ož“š,í□AMODEM.INF ,lfOf□□[fof<,È [Responses] fZfNfVf#f“,É“ü,Á,Ä,ç
,Ü,·□B□ufOf□□[fof<,È%ož“š,ì—á□v,É—á,ª, ,é,ì,Å□AZQ□Æ,μ,Å,,¾,¾,¾,ç□B

fvf%ofCfx□[fg,È%ož“š

MODEM.INF ,ìŠef,fff€—p,lfZfNfVf#f“,É□Afvf%ofCfx□[fg,È%ož“š•¶Žš—ñ,ð“ü,è,é,±,Æ,ª,Å,«,Ü,·□BŠf,□[fg
fAfNfZfX,í□A□Å□%o,Éfvf%ofCfx□[fg,È%ož“š,ð²,x,Ü,·□Bf,fff€,©,ç•Ô,³,è,éŽÀ□Ü,ì•¶Žš—ñ,Æ^è'v,·,é
%ož“š•¶Žš—ñ,ªCE©,Á,©,ç,È,¨,è,ì□A^ø,«±,«fOf□□[fof<,È [Responses] fZfNfVf#f“,ð²,x,Ü,·□B,½,¾,μ□A—
áŠO,Æ,μ,Å□A<append> f}fNf□,ªŠÜ,Ü,è,Å,ç,é•¶Žš—ñ,ì□Å□%o,ì•”•ª,ªfvf%ofCfx□[fg
fZfNfVf#f“,Å^è'v,μ,½□è□#,í□AfOf□□[fof< fZfNfVf#f“,íCEŸ□ð,³,è,Ü,¹,ñ□B'ä,í,è,É□AfŠf,□[fg fAfNfZfX,ì•¶Žš—
ñ,ìŽc,è,ì•”•ª,ªf,fff€,©,ç“ž'...·,é,ì,ð□”•bŠÖ'Ö,ž,Ü,·□B
□ufvf%ofCfx□[fg,È%ož“š,ì—á□v,É—á,ª, ,é,ì,Å□AZQ□Æ,μ,Å,,¾,¾,¾,ç□B

fvf%ofCfx[]fg,È%ž“š,ì—á

ŽŸ,ÉŽ!,.,ì[]Afvf%ofCfx[]fg,È%ž“š,à“ü,Á,Ä,č,éfZfNfVf†f“,ì—á,Å,·[]B'Ç%Á,μ,½fZfNfVf†f“,É,í[]A,±,ì•û-
@,Å%ž“š,đ'“ü,.,é,±,Æ,đ,“Š©,ß,μ,Ü,·[]B

```
COMMAND_LISTEN=ATS0=1<cr>  
CONNECT=<cr><lf>CONNECT <carrierbps><cr><lf>  
CONNECT_EC=<cr><lf>CONNECT <carrierbps>/MNP<cr><lf>  
CONNECT_EC=<cr><lf>CONNECT <carrierbps>/MNP/COMPRESSED<cr><lf>  
CONNECT_EC=<cr><lf>CONNECT <carrierbps>/MNP COMPRESSED<cr><lf>  
CONNECT_EC=<cr><lf>CONNECT <carrierbps>/V42<cr><lf>  
CONNECT_EC=<cr><lf>CONNECT <carrierbps>/V42BIS<cr><lf>
```

□s,ìĈep'±

%~<L□t (\) ,í□AfRf}f“fh,Ü,½,í%ž“š,žŸ,ì□s,É'±,,±,Æ,ðŽ!,μ,Ü,·□B□s,ìĈep'±,ðŽg,±
,Æ□Aftf@fCf<ð“Ç,Ý,â,,,: ,é,±,Æ,ž,Ä,«,Ü,·□B

ŽŸ,É—á,ðŽ!,μ,Ü,·□B

CONNECT_v42=\

<cr><lf>CARRIER <carrierbps><cr><lf><append>\

<cr><lf>PROTOCOL: V.42/LAPM<cr><lf>\

<cr><lf>COMPRESSION: NONE<cr><lf>\

<cr><lf>CONNECT <connectbps><cr><lf>

%~<L□t,í□A'P“Æ,Á<L□q,·,é,Æ□A•K, ,□sĈep'±<L□t,Æ,μ,Ä%žŽß,ž,é,é,±,Æ,É'□^Ó,μ,Ä,,¾,¾,č□B

%~<L□t,ðŠÜ,þfRf}f“fh,ðf,ff€,ÄŽg,±é□ž,í□AfRf}f“fh,ð“ü—í,·,é,Æ,«,É□A“ň□d,ì%~<L□t (\) ,ðŽg,Á,Ä,-
,¾,¾,č□B

,½,Æ,!,í□AAT&T Comsphere 3820 f,ff€,í□AN5 ,Æ,č,±fRf}f“fh,ðŽg,Á,ÄfGf%□[□§ĈEä<@“\,ð—

LĈEø,É,μ,Ü,·□B,±,lf,ff€,ì□%šú%»•¶Žš—ň,É,í□AN5 ,Ä,í,È, \N5 ,Æ“ü—í,μ,Ä,,¾,¾,č□B<L□q,ðŠÔ^á,±

,Æ□AftfCf,f<,μ,æ,±,Æ,μ,½,Æ,«,ÉfŠf,□[fg fAfNfZfX, ©,çfn□[fhfEfffA fGf%□[,ž•Ô,ž,é,Ü,·□B

fGfCfŠfAfX,đŠ,,è“-,Ä,é

“Á’è,lf,fff€,lfRf}}f“fh•¶Žš—ñ,ª□AŠù,É•Ê,lf,fff€,É□Ý’è,³,è,Ä,ç,éfRf}}f“fh•¶Žš—ñ,Æ“- ,¶,Ä, ,é□ê□‡,í□ACEäŽ
Ò,lf,fff€-¼,đ’OŽÒ,lf,fff€,lfGfCfŠfAfX,Æ,μ,ÄŽg—p,Ä,«,Ü,·□B

ŽŸ,É—á,đŽ!,μ,Ü,·□B

[AT&T Comsphere 3810]

ALIAS=AT&T Comsphere 3820

,±,ì—á,Ä,í□AAT&T Comsphere 3810 ,í□AAT&T Comsphere 3820 ,lfRf}}f“fh•¶Žš—ñ,đŽg,ç,Ü,·□B

’□ fGfCfŠfAfX,É’í,μ,ÄfGfCfŠfAfX,đŽg,±,±

,Æ,í,Ä,«,Ü,¹,ñ□B,Ä,Ü,è□AfGfCfŠfAfX,íf|Xfg,Ä,«,Ü,¹,ñ□B,½,Æ,!,í□A, ,éf,fff€,lfGfCfŠfAfX,đ 2
,Ä,lf,fff€,ÉŽg,±□ê□‡,í□A,»,è,¼,è,lf,fff€,lfGf“fgfŠ,Ä’¼□ÚfGfCfŠfAfX,É,μ,È,¯,è,í,È,è,Ü,¹,ñ□B

[AT&T Comsphere 3811]

ALIAS=AT&T Comsphere 3820

ŽŸ,ì,æ,±,ÈŽw’è,í,Ä,«,Ü,¹,ñ□B

[AT&T Comsphere 3811]

ALIAS=AT&T Comsphere 3810

f,fff€,ðfefXfg,·,é

f,fff€,ðŽg,Á,Ä,æ,Ü,□Ú±,Á,«,È,ç□ê□‡,í□AWindows NT fnfCfp□[f^□[f~fif<,ðŽg,Á,Äf,fff€
,íÇYŠ·□«,ðfefXfg,µ,Ä,,¾,¾,ç□B

Windows NT fnfCfp□[f^□[f~fif<,ðŽg,Á,Äf,fff€,ðfefXfg,·,é,É,í

- 1 [fAfNfZfTfŠ] ftfHf<f_ì [fnfCfp□[f^□[f~fif<] ftfHf<f_,ðfNfŠfbfN,µ,Ä□A[fnfCfp□[f^□[f~fif<]
,ðfNfŠfbfN,µ,Ü,·□B
- 2 [□Ú±,ì□Ý'è] f_fCfAf□fO f{fbfNfX,ì [-¼'O] f{fbfNfX,É-¼'O,ð"ü—í,µ□AZÿ,É [OK] ,ðfNfŠfbfN,µ,Ü,·□B
- 3 [□Ú±,ì□Ý'è] f_fCfAf□fO f{fbfNfX,ì [fLfff"fZf<] ,ðfNfŠfbfN,µ,Ü,·□B
fnfCfp□[f^□[f~fif<,Á,í□A[□Ú±·û-@] f{fbfNfX,É^ê—•\Ž|,¾,è,Ä,ç,é□Å□%o,ìf,fff€,ðfefXfg,¾,è,é,±
,Æ,É'□^Ó,µ,Ä,,¾,¾,ç□B
- 4 [fnfCfp□[f^□[f~fif<] fEfBf"fhfE,Á□A□uat□v,Æ"ü—í,µ,Ü,·□B
f,fff€,©,ç OK ,Æ,ç,æ•¶Žš—ñ,ª•Ô,¾,è□A%œ-Ê,É•\Ž|,¾,è,é,í,,Ä,·□Bf,fff€
,É,æ,Á,Ä,í□ACE<%ÊfR□[fh,ì□Ý'è,É%ž,¶,Ä 0 ,ª•Ô,¾,è,é□ê□‡,à, ,è,Ü,·□B
- 5 fnfCfp□[f^□[f~fif<,ðŽg,Á,Ä,àf,fff€,ª<@"\,µ,È,ç□ê□‡,í□Af,fff€,ì□»'çCE³,É-â,ç□‡,í,¹,Ä,,¾,¾,ç□B

,±,İfGf%o[]l,İA'Êí,İó<µ,Ä,Í"[]µ,Ü,¹,ñ[]BfRf"fsf...[]f^,ðÄ<N"®µ,Ä[]AfGf%o[][,^a"[]µ,·,é'O,É[]s,Á,½[]\
[]¬,İ•İ[]X,^a,·,×,Ä—LÆø,É,È,Ä,Ä,ç,é,±,Æ,ðŠm" F,µ,Ä,,³/₄,³,ç[]BfGf%o[][,^a%øðCE^,³,ê,È,ç[]ê[]‡,İ[]AWindows
NT ,İfCfxf"fg f[]fO,ðŽQ[]Æ,µ,ÄÆx[]Ü,½,İfGf%o[]l,İÜ[]x,ð'²,×,Ä,,³/₄,³,ç[]B

,±,İfGf%o[]l,İ[]AfŠf,[]lfg fRf"fsf...[]f^,İfNf%o[]CfAf"fg f%o[]CfZf"fx,^a'«,è,È,,È,Á,½,½,ß,ÉfŠf,[]lfg fRf"fsf...
[]f^,Ö,İ[]Ú'±,^a'"Ü,³,ê,Ä"[]µ,½,Æ[]l,ç,ê,Ü,·[]Bfvfxfef€ŠÇ—[]ŽÖ,É~A—[]µ,Ä[]AfNf%o[]CfAf"fg f
%o[]CfZf"fx,ð'Ç%Á[]w"ü,µ,Ä,à,ç,¤,©[]A,Ü,½,Í,Ü,©,İfŠf,[]lfg fRf"fsf...[]f^,ðŽw'è,µ,Ä,à,ç,Á,Ä,,³/₄,³,ç[]B

fGf%o[] f[]fbfZ[]fW

- 600 '€[]•Ü—~'t,Å,·[]B
- 601 f[]f[]fg fnf"fhf<,^{a-3}CEø,Å,·[]B
- 602 f[]f[]fg,ÍŠù,ÉŠJ,©,ê,Ä,ç,Ü,·[]B
- 603 "[]MŽÒ,Ìfofbftf@,^a[]-³,·-³,Ü,·[]B
- 604 CEè,Á,½[]î•ñ,^aŽw'è,³,ê,Ü,μ,½[]B
- 605 f[]f[]fg[]î•ñ,ð[]Ý'è,Å,«,³,Ü,¹,ñ,Å,μ,½[]B
- 606 f[]f[]fg,^a[]Ú'±,³,ê,Ä,ç,Ü,¹,ñ[]B
- 607 -³CEø,ÉfCfxf"fg,Å,·[]B
- 608 fffofCfX,^a'[][]Ý,μ,Ü,¹,ñ[]B
- 609 fffofCfX f^fCfv,^a'[][]Ý,μ,Ü,¹,ñ[]B
- 610 fofbftf@,^{a-3}CEø,Å,·[]B
- 611 f<[]f[]g,Í—~—p,Å,«,³,Ü,¹,ñ[]B
- 612 f<[]f[]g,ÍŠ,,è"-³,Ä,ç,ê,Ä,ç,Ü,¹,ñ[]B
- 613 -³CEø,É[^]³[]k,^aŽw'è,³,ê,Ü,μ,½[]B
- 614 fofbftf@•s'«³,Å,·[]B
- 615 f[]f[]fg,^aCE©,Å,©,è,Ü,¹,ñ[]B
- 616 "ñ"~Šú—v<[],^a•Ü—~'t,Å,·[]B
- 617 f[]f[]fg,Ü,½,ÍfffofCfX,ÍŠù,É[]ø'f,³,ê,Ä,ç,Ü,·[]B
- 618 f[]f[]fg,^aŠJ,©,ê,Ä,ç,Ü,¹,ñ[]B
- 619 f[]f[]fg,^a[]ø'f,³,ê,Ä,ç,Ü,·[]B
- 620 fGf"fhf|fCf"fg,^a,è,Ü,¹,ñ[]B
- 621 "d~b' ftf@fCf<,ðŠJ,·,Ü,¹,ñ[]B
- 622 "d~b' ftf@fCf<,ð"Ç,Ý[]ž,ß,Ü,¹,ñ[]B
- 623 "d~b' ,ÌfGf"fgfŠ,^aCE©,Å,©,è,Ü,¹,ñ[]B
- 624 "d~b' ftf@fCf<,É[]',«[]ž,ß,Ü,¹,ñ[]B
- 625 "d~b' ftf@fCf<,Ì't,É-³CEø,É[]î•ñ,^aCE©,Å,©,è,Ü,μ,½[]B
- 626 •[]Žš—ñ,ð"Ç,Ý[]ž,ß,Ü,¹,ñ[]B
- 627 fL[],^aCE©,Å,©,è,Ü,¹,ñ[]B
- 628 f[]f[]fg,^a[]ø'f,³,ê,Ü,μ,½[]B
- 629 fŠf,[]f[]g fRf"fsf...[]f^,É,æ,Á,Äf[]f[]fg,^a[]ø'f,³,ê,Ü,μ,½[]B
- 630 fn[]f[]hfEfffA[]áŠQ,Ì,½,ß,Éf[]f[]fg,^a[]ø'f,³,ê,Ü,μ,½[]B
- 631 f[]f[]fg,Íft[]fU[]f,É,æ,Á,Ä[]ø'f,³,ê,Ü,μ,½[]B
- 632 []\ç'ì,ÌfTfCfY,^aCEè,Á,Ä,ç,Ü,·[]B
- 633 f[]f[]fg,ÍŠù,ÉŽg—p't,©[]AfŠf,[]f[]g fAfNfZfX f_fCf,,f<fAfEfg,É'Í,μ,Ä[]-³,ê,Ä,ç,Ü,¹,ñ[]B
- 634 ,±,ÌfRf"fsf...[]f^,ðfŠf,[]f[]g flfbfgf[]fN,É"o~^,Å,«³,Ü,¹,ñ,Å,μ,½[]B
- 635 •s-¾,ÉfGf%o[]
- 636 f[]f[]fg,ÉCEè,Á,½fffofCfX,^a'•',...³,ê,Ä,ç,Ü,·[]B

- 637 •ŕŽš—ň,đ•İŠ.,.é,±,Æ,ª,Å,«,Ü,¹,ň,Å,µ,½ΠB
- 638 —v<Π,Íf^fCf€fAfEfg,µ,Ü,µ,½ΠB
- 639 "ň"~ŠúflfbfgfΠΠfN,ª, ,è,Ü,¹,ňΠB
- 640 NetBIOS fGf%ΠΠ[,ª"Πŕ,µ,Ü,µ,½ΠB
- 641 fΠΠ[foΠ[,ÍfNf%ofCfAf"fg,đfTfΠ[fg.,.é,½,β,É•K—v,È NetBIOS Ž'CE¹,đŠ,,è"—,Ä,é,±,Æ,ª,Å,«,Ü,¹,ň,Å,µ,½ΠB
- 642 NetBIOS -¼,ì 1 ,Á,ÍΠAŠù,ÉfŠf,Π[fg flfbfgfΠΠfN,É"o~^,³,è,Ä,ç,Ü,·ΠB
- 643 fΠΠ[foΠ[,ÍflfbfgfΠΠfN fAf_fvf^,ÉpášQ,ª, ,è,Ü,·ΠB
- 644 flfbfgfΠΠfN fΠfbfZΠ[fw,đŽóΠM,µ,Ü,¹,ňΠB
- 645 "à•"~FΠØfGf%ΠΠ[
- 646 ,±,ÍfAfJfEf"fg,ÍΠA,±,ìŽžŠÓ'Ň,ÉfΠfOfIf",.é,±,Æ,đ<-%oÅ,³,è,Ä,ç,Ü,¹,ňΠB
- 647 ,±,ÍfAfJfEf"fg,ÍŽg—p,Å,«,Ü,¹,ňΠB
- 648 fpfXfΠΠ[fh,ì—LCEøŠúCEÀ,ªΠØ,è,Ä,ç,Ü,·ΠB
- 649 ,±,ÍfAfJfEf"fg,ÍΠAŠf,Π[fg fAfNfZfX,đ<-%oÅ,³,è,Ä,ç,Ü,¹,ňΠB
- 650 fŠf,Π[fg fAfNfZfX fΠΠ[foΠ[,©,ç,ì%oŽ"š,ª, ,è,Ü,¹,ňΠB
- 651 f,fff€ (Ü,½,ÍΠA,Ü,©,ìΠÚ'±fffofCfX) ,©,çfGf%ΠΠ[,ª•Ó,³,è,Ü,µ,½ΠB
- 652 fffofCfX,©,ç,ì%oŽ"š,ª"~FŽ~,Å,«,Ü,¹,ňΠB
- 653 fffofCfX,É,æ,Ä,Ä—v<Π,³,è,½f}fNfΠ,ÍfffofCfX .INF ftf@fCf<,ÉCE©,Ä,©,è,Ü,¹,ň,Å,µ,½ΠB
- 654 fffofCfX .INF ftf@fCf<"à,ÍfRf}f"fh,Ü,½,ì%oŽ"š,í-ç'è<` ,Íf}fNfΠ,đŽQΠÆ,µ,Ä,ç,Ü,·ΠB
- 655 fffofCfX .INF ftf@fCf<"à,É <message> f}fNfΠ,ªCE©,Ä,©,è,Ü,¹,ň,Å,µ,½ΠB
- 656 fffofCfX .INF ftf@fCf<,ì <defaultoff> f}fNfΠ,í-ç'è<` ,Íf}fNfΠ,đŠÜ,ň,Å,ç,Ü,·ΠB
- 657 fffofCfX .INF ftf@fCf<,đŠ], ,Ü,¹,ň,Å,µ,½ΠB
- 658 fffofCfX .INF ,Ü,½,ÍfΠfffBfA .INI ftf@fCf<"à,ÍfffofCfX-¼,ª',. ,-,Ü,·ΠB
- 659 fΠfffBfA .INI ftf@fCf<,ÍΠA•s-¾,ÈfffofCfX-¼,đŽQΠÆ,µ,Ä,ç,Ü,·ΠB
- 660 fffofCfX .INF ftf@fCf<,É,Í,»,ÍfRf}f"fh,É,Í,.,é%oŽ"š,ª, ,è,Ü,¹,ňΠB
- 661 fffofCfX .INF ftf@fCf<"à,ÉfRf}f"fh,ª, ,è,Ü,¹,ňΠB
- 662 fffofCfX .INF ftf@fCf<,É^è—,³,è,Ä,ç,É,çf}fNfΠ,đΠÝ'è,µ,æ,ª,Æ,µ,Ü,µ,½ΠB
- 663 fΠfffBfA .INI ftf@fCf<,ÍΠA•s-¾,ÈfffofCfX f^fCfv,đŽQΠÆ,µ,Ä,ç,Ü,·ΠB
- 664 fΠf,š,đŠ,,è"—,Ä,é,±,Æ,ª,Å,«,Ü,¹,ňΠB
- 665 fΠ[fg,ªfŠf,Π[fg fAfNfZfX,É'Í,µ,ÄΠΠ-³,è,Ä,ç,Ü,¹,ňΠB
- 666 f,fff€ (Ü,½,ÍΠA,Ü,©,ìΠÚ'±fffofCfX) ,ª<@"\,µ,Ä,ç,Ü,¹,ňΠB
- 667 fΠfffBfA .INI ftf@fCf<,đ"C,ÝŽæ,é,±,Æ,ª,Å,«,Ü,¹,ňΠB
- 668 ΠÚ'±,ª"jŠü,³,è,Ü,µ,½ΠB
- 669 fΠfffBfA .INI ftf@fCf<"à,ìŽg—p-@fpf%ΠΠΠ[f^,ª-³CEø,Ä,·ΠB
- 670 fΠfffBfA .INI ftf@fCf<,©,çZfNfVff" -¼,đ"C,ÝŽæ,é,±,Æ,ª,Å,«,Ü,¹,ňΠB
- 671 fΠfffBfA .INI ftf@fCf<,©,çfffofCfX f^fCfv,đ"C,ÝŽæ,é,±,Æ,ª,Å,«,Ü,¹,ňΠB
- 672 fΠfffBfA .INI ftf@fCf<,©,çfffofCfX-¼,đ"C,ÝŽæ,é,±,Æ,ª,Å,«,Ü,¹,ňΠB
- 673 fΠfffBfA .INI ftf@fCf<,©,çŽg—p-@,đ"C,ÝŽæ,é,±,Æ,ª,Å,«,Ü,¹,ňΠB
- 674 fΠfffBfA .INI ftf@fCf<,©,çΠΠ,ΠÚ'±—"x,đ"C,ÝŽæ,é,±,Æ,ª,Å,«,Ü,¹,ňΠB

675 f\fffBfA .INI ftf@fCf<, ©, ç\Å\, 'Ê\ΠM' - "x, ð"Ç, ÝŽæ, é, ±, Æ, ¢, Å, <, Ü, ¹, ñ\B
676 %oñ\ü, ífrfW\, Å, ·\B
677 f,fff€,\, È, \, ¢%ž"š, μ, Ü, μ, ½\B
678 %ož"š, ¢, , è, Ü, ¹, ñ\B
679 fLfffŠfA, ðCEÿ\o, Å, <, Ü, ¹, ñ, Å, μ, ½\B
680 f_fCf, f< fg\|f" , ¢, , è, Ü, ¹, ñ\B
681 fffofCfX, ©, ç^ê"ÊfGf%o\, ¢•Ô, ³, è, Ü, μ, ½\B
682 ERROR WRITING SECTIONNAME
683 ERROR WRITING DEVICETYPE
684 ERROR WRITING DEVICENAME
685 ERROR WRITING MAXCONNECTBPS
686 ERROR WRITING MAXCARRIERBPS
687 ERROR WRITING USAGE
688 ERROR WRITING DEFAULTOFF
689 ERROR READING DEFAULTOFF
690 ERROR EMPTY INI FILE
691 ft\|fU\[-¼, Ü, ½, ífpfXf\|fh\A, , é, ç, í, » , ì-¼•Ü, ¢-³CEø, È, ½, B\A, ±
, ífhf\|Cf" , È, ífAfNfZfX, Å, <, Ü, ¹, ñ\B
692 f\|fg, Ü, ½, í' ³, è, Å, ç, éfffofCfX, Åfn\|fhfEfFfA\áŠQ, ¢"¶, μ, Ü, μ, ½\B
693 ERROR NOT BINARY MACRO
694 ERROR DCB NOT FOUND
695 ERROR STATE MACHINES NOT STARTED
696 ERROR STATE MACHINES ALREADY STARTED
697 ERROR PARTIAL RESPONSE LOOPING
698 fffofCfX, ì .INF ftf@fCf<, ì%ž"šfL\[-¼, ìCE`Ž®, ¢^á, ç, Ü, ·\B
699 fffofCfX, ì%ž"š, ¢fofbftf@ f\|fo\|ftf\|, ð^ø, <<N, ±, μ, Ü, μ, ½\B
700 fffofCfX .INF ftf@fCf<, ì"WŠ\CEã, íRf}\f"fh, ¢', , -, Ü, ·\B
701 fffofCfX, í COM fhf%ofCfo, È, æ, Å, ÅfTf\|fg, ³, è, Å, ç, È, ç'Ê\ΠM' - "x, È•ì, í, è, Ü, μ, ½\B
702 fffofCfX, ©, ç-Šú, μ, È, ç%ž"š, ðŽó\ΠM, μ, Ü, μ, ½\B
703 ERROR INTERACTIVE MODE
704 ERROR BAD CALLBACK NUMBER
705 ERROR INVALID AUTH STATE
706 ERROR WRITING INITBPS
707 X.25 ¶f'fŽwŽ!
708 fA\|fEf"fg, ì-LCEøŠúCEÀ, ¢\ø, è, Å, ç, Ü, ·\B
709 fhf\|Cf" , ífpfXf\|fh•ìXfGf%o\, Å, ·\BfpfXf\|fh, ¢'Z, ç, ©\A, Ü, ½, í^È'O, ÈŽg-p, μ, Å, ç
, ½fpfXf\|fh, ðŽw'è, μ, ½%Å"\¶« , ¢, , è, Ü, ·\B
710 f,fff€, ðŽg-p, μ, Å'Ê\ΠM't, ÈfvfŠfAf< f\|fo\|f%of" fGf%o\, ¢"¶, μ, Ü, μ, ½\B
711 RasMan , ì%Šú%» , ÈŽ , "s, μ, Ü, μ, ½\BfCfxf"fg f\|fo, ðŠm"F, μ, Å, ¾, ³, ç\B

- 712 Bipler f|f|fg,ðp%Šú%»μ,Ä,ç,Ü,·pB,μ,î,ç,μ,Ä,©,çfŠf_fCf,,f<,μ,Ä,,¾,¾,çpB
- 713 Žg—p,Ä,«,é ISDN %oňpü,ä, ,è,Ü,¹,ňpB
- 714 fR|f<,Ä,«,é ISDN f`fff|f<,ä, ,è,Ü,¹,ňpB
- 715 •iŽ,î,ä^«,ç“d~b%oňpü,É,æ,éfGf%o|f,ä¹½,·,·,·,Ü,·pB
- 716 fŠf,|f|fg fAfNfZfX IP ,ìp|p~.,ÍŽg—p,·,é,±,Æ,ä,Ä,«,Ü,¹,ňpB
- 717 fŠf,|f|fg fAfNfZfX IP fAfhfCfX,ìpÄ“|fv|f<,É—~—p,Ä,«,é IP fAfhfCfX,ä, ,è,Ü,¹,ňpB
- 718 fŠf,|f|fg PPP fsfA,©,ç,ì—LCEø,È%ž“š’Ò,ç,ìŠÔ,ÉpAf^fCfEfAfEfg,μ,Ü,μ,½pB
- 719 fŠf,|f|fg fRf“fsf...|f^,É,æ,è PPP ,ìp|—¹,¾,è,Ü,μ,½pB
- 720 PPP pšCEäfvf|fgfRf<,äp|p~.,¾,è,Ä,ç,Ü,¹,ňpB
- 721 fŠf,|f|fg PPP fsfA,ä%ž“š,μ,Ü,¹,ňpB
- 722 PPP fpfPfbfg,ä-³CEø,Ä,·pB
- 723 pÚ“a”ôp|t,ÆpÚ“ö”ôp|t,ðŠÜ,ß,½“d~b”ôp|t,ä¹,·,·,·,Ü,·pB
- 725 IPX f<|f^p|f,ä¹Cf“fXfg|f<,¾,è,Ä,ç,È,ç,½,ßpA,±,ì|f|fg,Ä IPX fvf|fgfRf<,ìf_fCf,,f<fCf”Ä,«,Ü,¹,ňpB
- 726 IPX fvf|fgfRf<,ì“Žž,É•;p|t,ìf|f|fg,Äf_fCf,,f<fAfEfg,Ä,«,Ü,¹,ňpB
- 727 TCPCFG.DLL ,ÉfAfNfZfX,Ä,«,Ü,¹,ňpB
- 728 fŠf,|f|fg fAfNfZfX,ÉfofCf“fh,¾,è,Ä,ç,é IP fAf_fvf^,äCE©,Ä,©,è,è,Ü,¹,ňpB
- 729 IP fvf|fgfRf<,ä¹Cf“fXfg|f<,¾,è,Ä,ç,È,ç,½,ßpASLIP ,ÍŽg—p,Ä,«,Ü,¹,ňpB
- 730 fRf“fsf...|f^,ì“o~^,äŠ@—¹,μ,Ä,ç,Ü,¹,ňpB
- 731 fvf|fgfRf<,äp|p~.,¾,è,Ä,ç,Ü,¹,ňpB
- 732 PPP flfSfVfGp|fVfjf“,äŽù’©,μ,Ä,ç,Ü,¹,ňpB
- 733 ,±,ìf|fbfgp|fN fvf|fgfRf<,ì PPP pšCEäfvf|fgfRf<,ìpA,±,ìf|f|fo|f,Ä,ì—~—p,Ä,«,Ü,¹,ňpB
- 734 PPP fŠf“fNpšCEäfvf|fgfRf<,äp|—¹,μ,Ü,μ,½pB
- 735 f|f|fo|f,ì—v<p,μ,½fAfhfCfX,ð<“Ü,μ,Ü,μ,½pB
- 736 fŠf,|f|fg fRf“fsf...|f^,ìpšCEäfvf|fgfRf<,ðp|—¹,μ,Ü,μ,½pB
- 737 f<|f|fvfofbfN,ðCEÿp,μ,Ü,μ,½pB
- 738 f|f|fo|f,ìfAfhfCfX,ðŠ,,è“-.,Ä,Ü,¹,ň,Ä,μ,½pB
- 739 fŠf,|f|fg f|f|fo|f,ä—v<p,·,é“Fpøfvf|fgfRf<,ìpAWindows NT ,ìÄp|t%»¾,¾,½fpfXf|f|fh,ðŽg—p,Ä,«,Ü,¹,ňpBfpfXf|f|fh,ð-¾Ž!“I,É“ü—ì,μ,ÄpÄ“xf_fCf,,f<,μ,Ä,,¾,¾,çpB
- 740 -³CEø,È TAPI p|p~.,Ä,·pB
- 741 f|f|f|f< fRf“fsf...|f^,ìÄp|t%»»,ðf|f|f|fg,μ,Ü,¹,ňpB
- 742 fŠf,|f|fg f|f|fo|f,ìÄp|t%»»,ðf|f|f|fg,μ,Ü,¹,ňpB
- 743 fŠf,|f|fg f|f|fo|f,ìÄp|t%»»,ð—v<p,μ,Ä,ç,Ü,·pB
- 744 fŠf,|f|fg f|f|fo|f,É,æ,èŠ,,è“-.,Ä,ç,è,½ IPX flf|fbfgp|fN“ôp|t,ðŽg—p,Ä,«,Ü,¹,ňpBfCfxf“fg f|fO,ðŠm”F,μ,Ä,,¾,¾,çpB
- 752 fxNfŠfVfg,ìp^—p|t,Ép\•¶fGf%o|f,ðCEÿp,μ,Ü,μ,½pB

600

,±,İfGf%o[]l,İA'Ê[]í,İó<μ,Å,Í"[]¶,μ,Ü,¹,ñ[]BfRf"fşf...[]f^,ð[]Ä<N"@,μ,Ä[]AfGf%o[]l,â"[]¶,·,é'O,É[]s,Á,½[]\
[]¬,İ•İ[]X,^a,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,³/₄,³,ç[]BfGf%o[]l,â%oðCE^,³,ê,È,ç[]ê[]‡,Í[]AWindows
NT ,İfCfxf"fşg f[]fO,ðŽQ[]Æ,μ,ÄCEx[]Ü,½,İfGf%o[]l,İÜ[]x,ð'²,×,Ä,³/₄,³,ç[]B

601

,±,lfGf%o□l,í□A'Ê□í,ì□ó<μ,Å,í"□¶,μ,Ü,¹,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%o□l,ª"□¶,·,é'O,É□s,Á,½□\
□¬,ì•í□X,²,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,³/₄,³,ç□BfGf%o□l,ª%oðCE^,³,ê,È,ç□ê□‡,í□AWindows
NT ,lfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,lfGf%o□l,ì□Ú□×,ð'²,×,Ä,³/₄,³,ç□B

,Ù, ©, ìfAfvfŠfP□[fVf†f“, ðf|□[fg, ðŽg, Á, Ä, †, Ü, ·□B, »), ìfAfvfŠfP□[fVf†f“, ð□I—¹, μ□Af_fCf,, f<, μ¹/₄, μ, Ä,, ³/₄, ³, †□B

603

,±,İfGf%oo[,íA'Êí,ìó<μ,Å,í"□¶,μ,Ü,¹,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,ì•ì□X,^a,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,³/₄,³,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,ìÚ□×,ð'²,×,Ä,³/₄,³,ç□B

fŠf. [fg fAfNfZfX, ì“d~b’ ftf@fCf<, ÆfŠf, [fg fAfNfZfX, ìE»Ÿ, ìŸŸŸ, ã^ê’v, μ, Ä, ç, È, ç%oÂ”\
 «, ã, è, Ü, ·B’ÊM’·’u (fVfŠfAf< f| [fg Af, fff€, È, Ç) , ð·ìX, μ, ½ê±, íA·K, , fŠf. [fg fAfNfZfX, ðÄ\
 Ÿ, μ, Ä, , ¾, ¾, çB uf fCf, , fAfbfv flbfgf [fN, ðÄŸŸ, :. év, ðŽQÆ, μ, Ä, , ¾, ¾, çB

605

fŠf.[fg fAfNfZfX,ì“d~b’ ftj@fCf<,ÆfŠf,[]fg fAfNfZfX,ìCE»Ÿ,ì[]v,μ,Ä,ç,È,ç%oÂ”\
 []«,à, ,è,Û,·[]B’Ê[]M’•’u (fVfŠfAf< f|[]fg[]Af,fff€,È,Ç) ,ð•ì[]X,μ,½[]ê[]‡,í[]A•K, ,fŠf,[]fg fAfNfZfX,ð[]Ä[]\
 []¬,μ,Ä,,¾,¾,¾,ç[]B[]uf_fCf,,f<fAbfv flfbfgf[][]fN,ð[]Ä[]\[]¬,·,é[]v,ðŽQ[]Æ,μ,Ä,,¾,¾,¾,ç[]B

fGf%o[][,à%oðCE^,¾,è,È,ç[]ê[]‡,í[]A%oe<¿,ðŽó,¬,Ä,ç,é“d~b’ fGf”fgfŠ,ð[]í[]œ,μ,Ä[]ì[]¬,μ’¼,·,©[]A,Û,½,ífŠf,[]
 fg fAfNfZfX fT[]f[]rfX,ðfCf”fXfg[]f<,μ’¼,μ,Ä,,¾,¾,¾,ç[]B

fŠf.[fg fAfNfZfX,ì“d~b’ ftj@fCf< (RASPHONE.PBK) ,í[]Asystemroot\System32\RAS
 fffBfÇEfNfgfŠ,É, ,è,Û,·[]B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'², x,Ä,,¾,¾,ç□B

607

,±,İfGf%oo[,İA'Ê[í,İó<μ,Å,Í"□¶,μ,Ü,¹,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,^a,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,³/₄,³,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İÚ□×,ð'²,×,Ä,³/₄,³,ç□B

608

fŠf.[fg fAfNfZfX,ì“d~b’ ftj@fCf<,ÆfŠf,[]fg fAfNfZfX,ìCE»Ÿ,ì[]v,μ,Ä,ç,È,ç%oÂ”\
[]«,à, ,è,Û,·[]B’Ê[]M’•’u (fVfŠfAf< f|[]fg[]Af,fff€,È,Ç) ,đ•ì[]X,μ,½[]ê[]‡,í[]A•K, ,fŠf,[]fg fAfNfZfX,đ[]Ä[]\
[]¬,μ,Ä,,¾,¾,¾,ç[]B[]uf_fCf,,f<fAbfv flfbfgf[]fN,đ[]Ä[]v,·.é[]v,đŽQ[]Æ,μ,Ä,,¾,¾,¾,ç[]B
fGf%o[][,à%ođCE^,¾,è,È,ç[]ê[]‡,í[]A%oe<¿,đŽó,¬,Ä,ç,é“d~b’ fGf”fgfŠ,đ[]í[]œ,μ,Ä[]v,μ’¼,·,©[]A,Û,½,ífŠf,[]
fg fAfNfZfX fT[]f[]fX,đfCf”fXfg[]f<,μ’¼,μ,Ä,,¾,¾,¾,ç[]B
fŠf.[fg fAfNfZfX,ì“d~b’ ftj@fCf< (RASPHONE.PBK) ,í[]Asystemroot\System32\RAS
fffBfÇfNfgfŠ,É, ,è,Û,·[]B

609

fŠf.[fg fAfNfZfX,ì“d~b’ ftj@fCf<,ÆfŠf,[]fg fAfNfZfX,ìCE»Ÿ,ì[]v,μ,Ä,ç,È,ç%oÂ”\
[]«,ª, ,è,Û,·[]B’Ê[]M’•’u (fVfŠfAf< f|[]fg[]Af,fff€,È,Ç) ,ð•ì[]X,μ,½[]ê[]‡,í[]A•K, ,fŠf,[]fg fAfNfZfX,ð[]Ä[]\
[]¬,μ,Ä,,¾,³,ç[]B[]uf_fCf,,f<fAbfv flfbfgf[]fN,ð[]Ä[][]¬,·,é[]v,ðŽQ[]Æ,μ,Ä,,¾,³,ç[]B
fGf%o[][,ª%oðCE^,³,ê,È,ç[]ê[]‡,í[]A%oe<¿,ðŽó,¬,Ä,ç,é“d~b’ fGf”fgfŠ,ð[]í[]œ,μ,Ä[]ì[]¬,μ’¼,·,©[]A,Û,½,ífŠf,[]
fg fAfNfZfX fT[]f[]rfX,ðfCf“fXfg[]f<,μ’¼,μ,Ä,,¾,³,ç[]B
fŠf.[fg fAfNfZfX,ì“d~b’ ftj@fCf< (RASPHONE.PBK) ,í[]Asystemroot\System32\RAS
fffBfÇfNfgfŠ,É, ,è,Û,·[]B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'²,x,Ä,,¾,¾,ç□B

611

f|f|b|f|g|f|f|f|N,i|N|¬,ŠÔ^á,Á,Ä,ç,é%oÂ"\«,ª, ,è,Û,·BfRf"f|sf...|f^,ðÄ<N"@,μ,ÄAfGf%o|[,ª"-
|¶,·,é'O,É|s,Á,½|N|¬,ì•|X,ª,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç|BfGf%o|[,ª
%oðCE^,¾,è,È,ç|è|‡,í|AWindows NT ,|fCfxf"f|g f|fO,ðŽQ|Æ,μ,ÄCEx|,Û,½,|fGf%o|[,ì|Ú|x,ð'^2,×,Ä,-
,¾,¾,ç|B

flfbfgf[]fN, i[]\[]-, ašÔ^ á, Á, Ä, ç, é%oÂ" \[]«, a, , è, Ü, . []BfRf" fsf... []f^, đ[]Ä<N" ©, μ, Ä[]AfGf%o[][, a"-
[]¶, ., é' O, É[]s, Á, ½[]\[]-, Ì• Ì[]X, a, ., x, Ä—LCEø, É, È, Á, Ä, ç, é, ±, Æ, đŠm" F, μ, Ä, , ¾, ¾, ç[]BfGf%o[][, a
%ođCE^, ¾, è, È, ç[]ê[]ž, Í[]AWindows NT , ÌCfxf" fg f[]fO, đŽQ[]Æ, μ, ÄCEx[][], Ü, ½, ÍfGf%o[][, Ì[]Ú[]x, đ'², x, Ä,-
, ¾, ¾, ç[]B

613

,±,İfGf%oo[,íA'Êí,ìó<μ,Å,í"□¶,μ,Ü,¹,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,ì•ì□X,^a,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,,³/₄,³,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,í□AWindows
NT ,İfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,ìÚ□×,ð'²,×,Ä,,³/₄,³,ç□B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'²,x,Ä,,¾,¾,ç□B

615

fŠf. [fg fAfNfZfX, ì“d~b’ ftj@fCf<, ÆfŠf, [fg fAfNfZfX, ìCE»Ÿ, ì□□¬, â^ê’v, μ, Ä, ç, È, ç%oÂ”\
□«, â, , è, Û, ·□B’ Ê□M’ •’u (fVfŠfAf< f|□[fg□Af, fff€, È, Ç) , ð•ï□X, μ, ½□ê□‡, í□A•K, , fŠf, □[fg fAfNfZfX, ð□Ä□\
□¬, μ, Ä, , ¾, ¾, ç□B□uf_fCf, , f<fAfbfv flfbfgf□□[fN, ð□Ä□□□¬, .: é□v, ðŽ□Q□Æ, μ, Ä, , ¾, ¾, ç□B
fGf%o□[, a%oðCE^ , ¾, ê, È, ç□ê□‡, í□A%oe<¿, ðŽó, ¯, Ä, ç, é“d~b’ fGf”fgfŠ, ð□í□œ, μ, Ä□ì□¬, μ’¼, , ©□A, Û, ½, ífŠf, □[
fg fAfNfZfX fT□[frfX, ðfCf“fXfg□[f<, μ’¼, μ, Ä, , ¾, ¾, ç□B
fŠf. [fg fAfNfZfX, ì“d~b’ ftj@fCf< (RASPHONE.PBK) , í□Asystemroot\System32\RAS
fffBfÇfNfgfŠ, È, , è, Û, ·□B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'²,x,Ä,,¾,¾,ç□B

617

fŠf, [fg fAfNfZfX, afGf"fgfŠ, Æ, ÌÚ'±, ðØ'f, µ, í, é, Ü, Å'Ò, Â, ©A, Ü, ½, ÍŠf, [fg fAfNfZfX fT[frfX, ð—
¹, µ, Ä, ¾, ³, çB

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□×,ð'²,×,Ä,,¾,¾,ç□B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'²,x,Ä,,¾,¾,ç□B

620

flfbfgf[]fN,i[]\[-,šÔ^á,Á,Ä,ç,é%oÂ"\[]«,ª, ,è,Û,·[]BfRf"fsgf...[]f^,ð[]Ä<N"@,μ,Ä[]AfGf%o[][,ª"-
[]¶,·,é'O,É[]s,Á,½[]\[-,ì•ï[]X,ª,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç[]BfGf%o[][,ª
%oðCE^,¾,è,È,ç[]ê[]‡,í[]AWindows NT ,ìfCfxf"fsg f[]fO,ðŽQ[]Æ,μ,ÄCEx[][],Û,½,ìfGf%o[][,ì[]Ú[]x,ð'^2,×,Ä,-
,¾,¾,ç[]B

621

fŠf. [fg fAfNfZfX fT [frfX, í systemroot\System32\RAS fffBfCefNfgfŠ, É, , é RASPHONE.PBK
ftf@fCf<, đŽg, č, Ü, · B, ±, ìftf@fCf<, ¢, ±, ìfpfX [ă, É, , é, ±, Æ, đŠm" F, μ AfŠf, [fg fAfNfZfX, đ Ä<N" ©, μ, Ä, -
, 3/4, 3, č B

622

fŠf. [fg fAfNfZfX fT [frfX, í systemroot\System32\RAS fffBfCefNfgfŠ, É, , é RASPHONE.PBK
ftf@fCf<, đŽg, č, Ü, · B, ±, ìftf@fCf<, ¢, ±, ìpfX ä, É, , é, ±, Æ, đŠm" F, μ AfŠf, [fg fAfNfZfX, đ Ä N" ©, μ, Ä, -
, 3/4, 3, č B

623

fŠf.[]fg fAfNfZfX,íA“d~b’ ,đŠJ,,±,Æ,í,Ā,«,Ü,μ,½,³AŽw’è,³,ê,½fGf“fgfŠ,³Ē©,Ā,©,è,Ü,¹,ñB,±,lfGf
%o[]l,íAf+[]fU[]l,³fŠf.[]fg fAfNfZfX API ,Ā’ ,«ž,Ý,đ[]s,č[]AŠÔ^á,Á,½fGf“fgfŠ-¼,đŽw’è,μ,½[]ê[]‡,É,ì,Ý”-
[]¶,μ,Ü,·[]BfŠf,[]fg fAfNfZfX fT[]lrfX,í[]Asystemroot\System32\RAS fffBfĒfNfgfŠ,É, ,é RASPHONE.PBK
ftf@fCf<,đŽg,č,Ü,·[]B

624

fŠf. [fg fAfNfZfX fT [frfX, í systemroot\System32\RAS fffBfCefNfgfŠ.É, ,é RASPHONE.PBK
ftf@fCf<,đŽg,č,Ü,·BfffBfXfN,²,č,Á,İ,č,É,È,Á,Ä,č,È,č,±,ÆA,±,İftf@fCf<,Ö,İ',«ž,ÝfAfNfZfXCE ,đŽ,Á,Ä,
č,é,±,Æ,đŠm”F,μ,Ä,,¾,¾,čB

625

fŠf. [fg fAfNfZfX fT [frfX, í systemroot\System32\RAS fffBfCEfNfgfŠ.É, ,é RASPHONE.PBK
ftf@fCf<,đŽg,č,Ü,·B,±,łftf@fCf<,đíœ,μAfŠf, [fg fAfNfZfX,đÄ·N“®,μ,Ä,,¾,³,čB

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'², x,Ä,,¾,¾,ç□B

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ñ, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, ·, B, ±, ì-â'è, ð
%oðCE^, ·, éÄ, àŠÈ'P, È•û-@, íAfŠf, [fg fAfNfZfX, iÄfCf" fXfg [f<, Ä, ·B

fŠf. [fg fAfNfZfX, ÄTf [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, íAfTf [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfvfg, ðC³, µ, Ä, , ¾, ¾, çBf, fff€
fXfNfŠfvfg, ðC³, ·, é•û-@, É, Ä, ç, Ä, íAuf, fff€, ìfXfNfŠfvfg ftf@fCf<, ìŠT—v, ðŽQÆ, µ, Ä, , ¾, ¾, çB

fŠf. [fg fAfNfZfX, ìfXfNfŠfvfg ftf@fCf< (PAD.INF AMODEM.INF A, ", æ, Ñ SWITCH.INF) , íAsystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·, B

,à,æ^è"x"̄,¶fGf“fgfŠ,Éf_fCf,,f<,μ,Ä,,¾,¾,ç□B,».,ê,Å,à,±,ìf□fbfZ□[fW,ª•\Ž|,¾,ê,é□ê□#,í□Af,fff€,ì□
%Šú'Ê□M'¬“x,ð%°°,°,Ä□Af,fff€,ìŠg'£<@“\,ðf!ft,É,μ,Ä,,¾,¾,ç□B□uf,fff€,ì<@“\,ð□Ý'è,.,é□v,ðŽQ□Æ,μ,Ä,-
¾,¾,ç□B,».,ê,Å,à-â'è,ª%°ðCE^,μ,È,ç□ê□#,í□AfVfXfef€ŠÇ—□ŽÒ,É-â,ç□#,í,¹,Ä,,¾,¾,ç□B

ŽŸ, ì, ç, , ê, ©, ì—□—R, Å□AfŠf“fN, a□Ø’f, ³, ê, Ä, ç, Ü, ·□B

- “d~b%ñ□ü, ì%ñ•œ•s”\, ÈfGf%□[
- %ñ□ü, ìfmfCfY
- fVfXfef€ŠÇ—□ŽÒ, É, æ, é□Ú’±, ì□Ø’f

□Ä“xfŠf“fN, đŠm—s, , é, É, í□A, à, x^ê“xf_fCf,,f<, μ, Ä,, ³/4, ³, ç□B[ft□[fU□[□Ý’è] , ì [f_fCf,,f<] f^fu, đŽg, x
,Æ□AŽ©“@“l, ÈfŠf_fCf,,f<, ³, ê, é, æ, x, É□Ý’è, Å, «, Ü, ·□B□ufŠf_fCf,,f<, ì□Ý’è□v, đŽQ□Æ, μ, Ä,, ³/4, ³, ç□B
fGf%□[, a%đCE^ , ³, ê, È, ç□ê□‡, í□Af, fff€, ì□%Šú’É□M’→“x (bps) , đ%° , °, Ä□A, à, x^ê“xf_fCf,,f<, μ, Ä, -
, ³/4, ³, ç□B□uf, fff€, ì<@“\, đ□Ý’è, , é□v, đŽQ□Æ, μ, Ä,, ³/4, ³, ç□B

630

- ŽŸ, ì, ç, , è, ©, ì—□—R, Å□AfŠf“fN, a□Ø’f, ³, ê, Ä, ç, Ü, ·□B
- f,fff€ (,Ü,½,Í,» ,ì’¼,ì’É□M’•’u) ,Å”□¶,μ,½%ñ•œ•s“\,ÈfGf%□□[
- ’É□Mf]□[fg,Å”□¶,μ,½%ñ•œ•s“\,ÈfGf%□□[
- f,fff€ fP□[fuf<, aŠO, è, Ä, ç, é□è□‡
- â’è, ðf’f, μ□A□C□³, ·, é, ½, ß, ÉŽÀ□s, Å, «, é’î□^•û-@, íŽŸ, ì, Æ, ”, è, Å, ·□B
- f,fff€ ,ì“d€¹, a“ü, Ä, Ä, ”, è□AfP□[fuf<, aŠmŽÄ, É□Ú’±, ³, è, Ä, ç, é, ±, Æ, ðŠm”F, μ, Ü, ·□B
- f,fff€ , a³□í, É<@“\, μ, Ä, ç, é, ±, Æ, ðŠm”F, μ, Ü, ·□B Windows NT ,lfnfCfp□[f^□[f~fif<, ðŽg, Á, Äf, fff€ , ðfefXfg, ·, éŽè□‡, È, Ä, ç, Ä, í□A□uf, fff€, ðfefXfg, ·, é□v, ðŽQ□Æ, μ, Ä, , ¾, ³, ç□B

631

,±,lfRf"fsf...[]f^,Å□s,Á,½'€□ì,ªCE'^ö,Å%ñü,ª□Ø'f,³,ê,Ä,ç,Ü,·□Bf_fCf,,f<,μ'¼,μ,Ä,,³/4,³,ç□B

,±,İfGf%o[]l,İA'Ê[]í,İ6<μ,Å,Í"[]¶,μ,Ü,³,ñ[]BfRf"fşf...[]f^,ð[]Ä<N"@,μ,Ä[]AfGf%o[]l,³"[]¶,·,é'O,É[]s,Á,½[]\
[]¬,İ•İ[]X,³,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,³/4,³,ç[]BfGf%o[]l,³%oðCE^,³,ê,È,ç[]ê[]‡,Í[]AWindows
NT ,İfCfxf"fşg f[]fO,ðŽQ[]Æ,μ,ÄCEx[]Ü,½,İfGf%o[]l,İÜ[]x,ð'²,×,Ä,,³/4,³,ç[]B

633

Šù,É,Ù,©,ìÚ'±,ì,½,ß,Éf|[]fg,ªŽg,í,ê,Ä,ç,éê±,íA,»ìÚ'±
,ðØ'f,·,é,©A,Ü,½,ÍfGf“fgfŠ,ð•ÒW,μ,ÄA,Ù,©,ì'ÊMf|[]fg,ðŽg,κ,æ,κ,É,μ,Ä,,¾,¾,çB
f|[]fg,ªŽg,í,ê,Ä,ç,È,çê±,íAfŠf,[]fg fAfNfZfX,ÉŽg,κf|[]fg,ðf_fCf,,f< fAfEfg—p,ÉÄ\¬,μ,Ä,-
,¾,¾,çBfAf_fvf^,Æf,fff€,ªfCf“fXfg[]f<,¾,¾,ç,é,±,ÆA,“,æ,Ńf|[]fg,ª'Ç%oÁ,¾,¾,ç,é,±
,Æ,ðAfRf“fgf[]f< fpf|f<,ì [f|fbfgf[]fN] ,ðŽg,Á,ÄŠm“F,μ,Ä,,¾,¾,çB[]uf_fCf,,f<fAfbfv flfbfgf[]fN,ðÄ\
\¬,·,év,ðŽQÆ,μ,Ä,,¾,¾,çB

fŠf, [fg fAfNfZfX fT [fo [, í [A, ±, ì fRf“ fsf... [f ^, ì -¼ ‘O, ð f f b f g f [f N, É “ o ~ ^, Å, «, Ü, ¹, ñ, Å, µ, ½ [B f v f X f e f € Š Ç
— [Ž Ò, É - â, ç [†, í, ¹, Ä, , ¾, ³, ç [B

635

,±,lfGf%oo[,íA'Êí,ìó<μ,Å,í"□¶,μ,Ü,¹,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,ì•í□X,^a,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,³/₄,³,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,í□AWindows
NT ,lfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,lfGf%oo[,ìÚ□×,ð'²,×,Ä,³/₄,³,ç□B

fn[fhfEjFfA,ì□□→,ÆfŠf,□[fg fAfNfZfX,ìfZfbfgfAfbfv,ª□ACEÝ,ç,É^è'v,μ,Ä,ç,È,ç%oÂ"\
 □«,ª, ,è,Ü,·□B'Ê□M'•'u (fVfŠfAfç f|□[fg□Af,fff€,È,Ç) ,ð•ì□X,μ,½□ê□#,í□A•K, ,□V,μ,ç'•'u,É□#,í,¹,ÄfŠf,□[fg
 fAfNfZfX,ð□Ä□□→,μ,Ä,,¾,³,ç□B□uf_fCf,,fçfAfbfv flfbfgf□□[fN,ð□Ä□□→,·,é□v,ðŽQ□Æ,μ,Ä,,¾,³,ç□B
 ,±,ìfGf%o□[,í□AMODEM.INF ftf@fCf<"à,É 32 •¶Žš,ð'´,ì,éfZfNfVf+f" fwfbf_□[(Šp,©,Á,± ([]) ,Å^í,Ü,è,Ä,ç
 ,é•"•ª) ,ª, ,é□ê□#,É,à"¶,μ,Ü,·□B,Ü,,□AMODEM.INF "à,ìfZfNfVf+f" fwfbf_□[,ª 32 •¶Žš^È%oª,Å, ,é,±
 ,Æ,ðŠm" F,μ□A,Ü,©,ì'í□^•û-@,ðŽŽ,Ý,Ä,,¾,³,ç□B

637

,±,İfGf%o□l,İ□A'Ê□í,İ□ó<μ,Å,Í"□¶,μ,Ü,¹,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%o□l,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,²,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,,³/₄,³,ç□BfGf%o□l,ª%oðCE^,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%o□l,İ□Ú□×,ð'²,×,Ä,,³/₄,³,ç□B

,±,İfGf%o[]l,İA'Ê[]í,İó<μ,Å,Í"[]¶,μ,Ü,³,ñ[]BfRf"fşf...[]f^,ð[]Ä<N"@,μ,Ä[]AfGf%o[]l,³"[]¶,·,é'O,É[]s,Á,½[]\
[]¬,İ•İ[]X,³,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç[]BfGf%o[]l,³%oðCE^,³,ê,È,ç[]ê[]‡,İ[]AWindows
NT ,İCfxf"fşg f[]fO,ðŽQ[]Æ,μ,ÄCEx[]Ü,½,İfGf%o[]l,İÜ[]×,ð'²,×,Ä,,¾,¾,ç[]B

639

f\fbfgf\N,ì\Ñ-,ŠÔ^á,Á,Ä,ç,é%oÂ"\«,ª, ,è,Û,·BfRf"fsf...[f^,ðÄ<N"@,μ,ÄAfGf%o[,"-
¶,·,é'O,És,Á,½\Ñ-,ì•ïX,ª,·,×,Ä-LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,çBfGf%o[,"ª
%oðCE^,¾,è,È,çèè,íAWindows NT ,\Cfxf"fg fO,ðŽQÆ,μ,ÄEx,Û,½,\fGf%o[,"ìÚx,ð'²,×,Ä,-
,¾,¾,çB

NetBIOS ,\fGf%o[fR[fh,ð<L~^,μA"d~b,Å<ZpFTf|[fg'S"-,É-â,ç,í,¹,éèè,íA,»,\fR[fh,ð'S"-
ŽÒ,É"`,ì,Ä,,¾,¾,çB

f,fff€,ª□Ú'±,ìfSfVfG□[fVf#f",ð□³□í,É□s,±,±,Æ,ª,Å,«,È,©,Á,½,©□A,Ü,½,í%ñ□ü,ÉfmfCfY,ª"□¶,µ,½%oÁ"\
□«,ª, ,è,Ü,·□Bf,fff€,ì□%Šú'É□M'¬"x (bps) ,ð%oº,°,Ä□A,à,x^ê"x_fCf,,f<,µ,Ä,,¾,¾,ç□B□uf,fff€,ì<@"\
.ð□Ý'è,.,é□v,.,æ,Ñ□uf,fff€,ì"Á□«□v,ðŽQ□Æ,µ,Ä,,¾,¾,ç□BNetBIOS ,ìfGf
%o□[fR□[fh,ð<L~^,µ□A"d~b,Å<Z□pfTf|□[fg'S"-É-â,ç□#,í,¹,é□é□#,í□A,»,ìfR□[fh,ð'S"-ŽÒ,É"`,ì,Ä,,¾,¾,ç□B

641

fŠf. [fg fAfNfZfX fT [fo [iž'Ď'â, ., æ, ɣ, ÉfvfXfef€ŠÇ—žÒ, É^Ě—Š, ., é, ©A, Ü, ½, ÍRf“fgf [f< fpflf<, i
[fT [frfX] ,đžg, Á, ĀAŽ © •^a, ĩRf“fsf... [f^ ĩă, ĀŽÀs, ³, ê, Ä, ç, é •s •K—v, ĚfT [frfX (f [fbfZ [fW
fT [frfX [Afbf g [fN DDE fT [frfX, È, Ç) ,đ'âž~ , μ, Ä, ³/₄, ³, ç [B

flfbfgf□□fN fA□[fLfefNf`ff,ì□§CEÀ,É,æ,è□Aflfbfgf□□fN□ã,ÌŠefRf“fsf...□[f^,í,»è,¼,ê^ê^Ó,ì-¼'O,Å“o~^,³,ê,Ä,ç,é•K—v,^a, ,è,Ü,·□B,±,ì<K'¥,í□ALAN ,É,àfŠf,□[fg f□□[fNfXfe□[fVf†“,É,à“K—p,³,è,Ü,·□B

Ž©•^a,ìfRf“fsf...□[f^,ì-¼'O,^afifbfgf□□fN□ã,ì,Ù,©,ì,Ç,ìfRf“fsf...□[f^ ,Æ,à^Ù,È,é,±,Æ,ðSm”F,μ,Ü,·□B

fRf“fsf...□[f^-¼,ð•ī□X,·,é,É,í□Afrf“fgf□□[f< fpflf<,ì [flfbfgf□□fN]

fAfCfRf“,ðf_fuf<fNfŠfbfN,μ□A□V,μ,çfRf“fsf...□[f^-¼,ð'δ,μ,Ü,·□B

Ž©•^a,ìfRf“fsf...□[f^ ,^aê^ê^Ó,ì-¼'O,ðŽ□,Å□ê□#,í□A,Ù,©,ìfRf“fsf...□[f^ ,^a,±,ìfRf“fsf...□[f^ ,ìhf□fCf“-¼,Æ^ê^v,·,éfrf“fsf...□[f^-¼,ð“o~^ ,μ,½,©□A,Ü,½,í,±,ìfRf“fsf...□[f^ ,ÅŽÅ□s,μ,Ä,ç,é NetBIOS

fAvfŠfP□[fVf†“,^a<£□#,·,é-¼'O,ð'Ç%oÁ,μ,½%oÅ“\□«,^a, ,è,Ü,·□B

- -¼'O,ð•ī□X,μ,Ä,à-â`è,^a%oðCE^ ,μ,È,ç□ê□#,í□AvfXfef€ŠÇ—□ŽÒ,É-â,ç□#,í,¹,Ä,,³/₄,³,ç□B

'□

- -¼'O,í^ê^Ó,Å ,é•K—v,^a, ,é,ì,Å□AfŠf,□[fg fAfNfZfX,Æ'¼□Ú□Ú'± (fC□[fTflfbfgf□Ú'±,È,Ç) ,ì-¼•û,Å“Žž,É““,¶flfbfgf□□fN,É□Ú'±,·,é,±,Æ,í,Ä,«,Ü,¹,ñ□B'¼□Ú□Ú'±,³,è,Ä,ç,éflfbfgf□□fN,Ò,ìfŠf,□[fg fAfNfZfX,ð•]‰o,·,é□ê□#,í□AfŠf,□[fg fAfNfZfX,É,æ,é□Ú'±,ðŽŽ,Ý,é'O,É□Aflfbfgf□□fN frflfNf^,ð”²,ç,Ä,“,•K—v,^a, ,è,Ü,·□B

643

,±,ìfGf%o[],"[]μ,½,ç[]AfVfXfef€ŠÇ—[]ŽÒ,É•ñ[]μ,Ä,,¾,³,ç[]B

644

Šù,ÉfIfbfjgf[]fN,ÉÚ'±,μ,Ä,ç,é,Ù,©,ìfRf"fsf...[]f^,ª"~,¶f[]f<-¼,ðŽg,Á,Ä,ç,Ü,·B,±,ìf[]f<-¼^¶,Ä,ìf[]f<,íA[]æ,ÉÚ'±,³,è,Ä,ç,½fRf"fsf...[]f^,É'—,ç,è,Ü,·B,±,ìfŠf,[]fg f[]fNfXfe[]fVf#f",Åf[]bfZ[]fW,ðŽóM,·,é[]è[]#,íA[]fIfbfjgf[]fN,É'¼[]Ú[]Ú'±,³,è,Ä,ç,éfRf"fsf... []f^,©,çf[]Ofift,μ,Ä,©,çA,à,ª^ê"xIfbfjgf[]fN,Éf_fCf,,f<fCf",μ'¼,³,È,~,è,î,È,è,Ü,¹,ñB

'[]

- ,±,ìfGf%[][],íAMicrosoft Mail ,ðŽg,Á,½f[]f<,ì'—ŽóM,É,í%e<ç,ð—^,!,Ü,¹,ñB

645

,±,İfGf%oo[,İA'Ê[í,İó<μ,Å,Í"□¶,μ,Ü,¹,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□-,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^,³,ê,È,ç□ê□¶,Í□AWindows
NT ,İfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'²,x,Ä,,¾,¾,ç□B

NetBIOS ,İfGf%oo[fR□[fh,ð<L~^ ,μ□A"d~b,Å<Z□pJfTf|□[fg'S"- ,É-â,ç□¶,í,¹,é□ê□¶,Í□A,» ,İfR□[fh,ð'S"-
ŽÒ,É" ,İ,Ä,,¾,¾,ç□B

646

,±,lfAfffEj“fg,íAflfbfgf[]fN,Ö,lfAfNfZfX,ª[]\$CEÀ,³,ê,é,æ,π,É[]-³,ê,Ä,ç,Ü,·BCE»[]Ý,ì[]-,É,æ,è<-
%oÂ,³,ê,Ä,ç,éŽžŠÔ·Ñ^ÈŠO,ìŽžŠÔ,Éf[]fN,ÖfAfNfZfX,·,é•K-v,ª, ,é[]ê[]#,í[]AfVfXfef€ŠÇ-[]ŽÒ,É^Ë-
Š,μ,Ä[]-,ð•ïX,μ,Ä,à,ç,Á,Ä,,³/4,³,ç[]B

647

ſvfXfef€ŠÇ—□ŽÒ,É^Ë—Š,μ,Ä□AŽg—p,·,éfAſſfEſ“fg,đ—LŒø,É,μ,Ä,à,ç,Á,Ä,,¾,³,†□B

648

fŠf. [fg fAfNfZfX, ì“d~b’ ,đŽg,Á,ÄÚ’±,μ,Ä,ç,éê±,íAfpfXf [fh,đ•ĩX,·,é,æ,α
,É< ,ß,éf fbfZ [fW,ž©“@“l,É•\Ž!,³,ê,Ü,·B

RASDIAL fRf}f“fh,đŽg,Á,ÄÚ’±,μ,Ä,ç,éê±,íAZŸ,ìŽè±,É,æ,èfpfXf [fh,đ•ĩX,Å,«,Ü,·B

1 **Ctrl + Alt + Del** fL [,đ%oŸ,μ,Ü,·B

2 [fpfXf [fh,ì•ĩX] ,đ‘l’đ,μA%oæ-Ê,É•\Ž!,³,ê,éŽwŽ!,É],Á,Ä‘€ì,μ,Ü,·B

,±,lfAjjfEf“fg,í'í'ð,μ,½fhf□fCf““à,Å,Í—LCEø,Å,·,ª□AfŠf,□[fg,©,çflfbfgf□□[fN,ÖfAfNfZfX,·,é,½,ß,lfAfNfZfXCE
,Í—^,!,ç,ê,Ä,ç,Ü,¹,ñ□BfVfXfef€ŠÇ—□ŽÒ,É^È—Š,μ,Ä□AfŠf,□[fg fAfNfZfX,ì<-‰oÂ,ðŽæ“¾,μ,Ä,,¾,¾,ç□B

,Ù,©,lfhf□fCf““à,ÅfŠf,□[fg fAfNfZfX,ì<-‰oÂ,ð—^,!,ç,ê,½fAjjfEf“fg,ðŽ□,Á,Ä,ç,é□é□±,Í□AZÿ,ìŽè□±,É□]
,Á,Ä□A,»,lfhf□fCf“,lfAjjfEf“fg,ðŽg,Á,Ä,,¾,¾,ç□B

1 “d~b’ fGf“fgfŠ,ð•Ò□W,μ□A[CE»□Ý,lf□□[fU□[-¼,ÆfpfXf□□[fh,ðŽg,κ] f`fFbfN f{fbfNfX,ðflft,É,μ,Ü,·□B

2 f_fCf,,f<,μ,Ü,·□B

3 ŠY“-,·,éft□[fU□[-¼□AfpfXf□□[fh□A,“,æ,Ñfhf□fCf“,ðŽw’è,μ,Ü,·□B

- ŽŸ, ì, ç, , , ê, ©, ìĉĕ´^ö, Å□A□Ú´±, Å, «, Ü, ¹, ñ□B
- fŠf, □[fg fAfNfZfX fT□[fo□[,^²<N“ ©, ^³ê, Å, ç, Ü, ¹, ñ□BfVfXfef€ŠÇ—□ŽÒ, É-
à, ç□‡, í, ¹, Å□AfT□[fo□[,^²<N“ ©, ^³ê, Å, ç, é, ©, Ç, x, ©, ðŠm”F, μ, Å, ,^³/₄, ^³, ç□B
- Žg—p, μ, Å, ç, é%ñü, ÉfmfCfY, ^²½, , , -, Ü, ·□Bf, fff€, ì□%Šú’É□M’-“x (bps) , ð
%°°, °□Af_fCf, ,f<, μ¹/₄, μ, Å, ,^³/₄, ^³, ç□B□uf, fff€, ì<@“\, ðŸ’è, , , é□v, ðŽQ□Æ, μ, Å, ,^³/₄, ^³, ç□B
- Žg—p, μ, Å, ç, éf, fff€, ÆfŠf, □[fg fAfNfZfX fT□[fo□[, ìf, fff€
, Æ, í□A’l’ð, μ, ½’É□M’-“x, Å, í□³□í, ÉfłfSfVfG□[fVf‡“ , ð□s, x, ±, Æ, ^², Å, «, Ü, ¹, ñ□Bf, fff€, ì□%Šú’É□M’-“x (bps) , ð
%°°, °□Af_fCf, ,f<, μ¹/₄, μ, Å, ,^³/₄, ^³, ç□B

651

Žg—p,μ,Ä,ç,é,fff€ (,Ü,½,Í,»,ì'¼,iÚ'±'•'u) ,afGf%oo[,đ•Ô,μ,Ü,μ,½BfTf| [fg,³,ê,Ä,ç,é,fff€,đŽg,Á,Ä,ç
,éê±,íA1 "xf,fff€,ì"dCE¹,đØ,Á,Ä"dCE¹,đ"ü,ê'¼,μ,Ä,,¾,¾,çBfŠf, [fg fAfNfZfX
fT [fxfX,đÄ<N" ©,μ,Ä,©,çAf_fCf,,f<,μ'¼,μ,Ä,,¾,¾,çB

fŠf, [fg fAfNfZfX,ÅfTf| [fg,³,ê,Ä,ç,È,çf,fff€,đŽg,Á,Ä,ç,éê±,íAf,fff€,ì»'çCE³,É-â,ç±,í,¹,Ä,-
,¾,¾,çB,Ç,ìf,fff€,afTf| [fg,³,ê,Ä,ç,é,©,É,Ä,ç,Ä,íA wWindows NT
fn [fhfEfFfACEÝŠ·çfŠfXfgx,đŽQAE,μ,Ä,,¾,¾,çB

f,fff€,afŠf, [fg fAfNfZfX—p,É³,μ, \ç,³,ê,Ä,ç,é,±,Æ,đŠm" F,μ,Ä,,¾,¾,çB \ç,³,ê,Ä,ç,é,±,Æ,đŠm" F,·,é•û-@,É,Ä,ç
,Ä,íA uf_fCf,,f<fAfbfv flfbfgf [fN,đÄ \ç,³,ê,Ä,ç,é,±,Æ,đŽQAE,μ,Ä,,¾,¾,çB

Žg—p,μ,Ä,ç,é,fff€ (,Ü,½,Í,»,ì'¼,i□Ú'±'•'u) ,ª□AfŠf,□[fg fAfNfZfX,ìfXfNfŠfVfg ftf@fCf<
(PAD.INF□AMODEM.INF□A,Ü,½,Í SWITCH.INF) ,ì,ç, ,è,É,à<L□q,³,è,Ä,ç,È,çf□fbfZ□[fW,Å%ž“š,μ,Ü,μ,½□B
ftf|□[fg,³,è,Ä,ç,é,fff€,ðŽg,Á,Ä□Ú'±,μ,Ä,ç,é□ê□‡,Í□A1 “xf,fff€
,ì“dCE¹,ð□Ø,Á,Ä“dCE¹,ð“ü,è'¼,μ,Ä,©,ç□Af_fCf,,f<,μ'¼,μ,Ä,,¾,¾,ç□B,»,è,Á,à-â'è,ª%ðCE^,μ,È,ç□ê□‡,Í□A□
%Šú'Ê□M'¬“x,ð%ºº,º,Ä□Ú'±,μ,Ä,Ý,Ä,,¾,¾,ç□B□uf,fff€,ì<@“\,ð□Ý'è,-,é□v,ðŽQ□Æ,μ,Ä,,¾,¾,ç□B
ftf|□[fg,³,è,Ä,ç,È,çf,fff€,ðŽg,Á,Ä□Ú'±,μ,Ä,ç,é□ê□‡,Í□A•Ô,³,è,½%ž“š,ª“K□Ø,ÈfXfNfŠfVfg
ftf@fCf<“à,É<L□q,³,è,Ä,ç,é,©,Ç,κ,©,ðŠm”F,μ,Ä,,¾,¾,ç□B□uf,fff€,ìfXfNfŠfVfg ftf@fCf<,ÌŠT—
v□v,ðŽQ□Æ,μ,Ä,,¾,¾,ç□B
fŠf,□[fg fAfNfZfX,ìfXfNfŠfVfg ftf@fCf<,Í□Asystemroot\System32\RAS fffBfCEfNfgfŠ,É, ,è,Ü,·□B

653

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ²ŠÜ, Ü, ê, Ä, ç, é%oÄ" \«, a, , è, Ü, · □B, ±, ì-â'è, ð
%oðCE^, ·, é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, i□ÄfCf" fXfg□[f<, Å, ·□B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, ê, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, ê, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Å, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, μ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ·, é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v□v, ðŽQ□Æ, μ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, ", æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·□B

fŠf. [fg fAfNfZfX, \ -ftf@fCf<, ì 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, ê, Ä, ç, é%oÄ" \ «, a, , è, Ü, · □B, ±, ì-â'è, ð
%oðCE^, ·, é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, ì□ÄfCf" fXfg□[f<, Å, ·□B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, ê, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, ê, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Å, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, μ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ·, é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v□v, ðŽQ□Æ, μ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, ", æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·□B

655

fŠf. [fg fAfNfZfX, \ -ftf@fCf<, ì 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, ê, Ä, ç, é%oÄ" \ «, a, , è, Ü, . □B, ±, ì-â'è, ð
%oðCE^, ., é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, ì□ÄfCf" fXfg□[f<, Ä, . □B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, ê, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, ê, Ä, ç, éf, fff€
, ÉCEðŠ, ., é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, µ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ., é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v□v, ðŽQ□Æ, µ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, " , æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, . □B

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ²ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, · □B, ±, ì-â'è, ð
%oðCE^, ·, é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, i□ÄfCf" fXfg□[f<, Ä, ·□B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, µ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ·, é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v□v, ðŽQ□Æ, µ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, ", æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·□B

fŠf.[fg fAfNfZfX,ì\[-ftf@fCf<,ì 1 ,Â,É-³CEø,Èî•ň,ªŠÜ,Ü,ê,Ä,ç,é%oÂ"\"«,ª, ,è,Ü,·□B,±,ì-â'è,ð
%oðCE^,·,é□À,àŠÈ'P,È•ù-@,í□AfŠf.[fg fAfNfZfX,ì□ÄfCf"fxfg□[f<,Â,·□B

fŠf.[fg fAfNfZfX,ÄfTf|□[fg,³,ê,Ä,ç,È,çf,fff€,ðŽg,Á,Ä,ç,éê±,í□AfTf|□[fg,³,ê,Ä,ç,é,fff€
,ÉCEðŠ·,·,é,©□A,Ü,½,ÍCE»Ý,ìf,fff€,ðŽg—p,Â,«,é,æ,ª,Éf,fff€ fxNfŠfVfg,ð□C□³,μ,Ä,,¾,¾,ç□Bf,fff€
fxNfŠfVfg,ð□C□³,·,é•ù-@,É,Â,ç,Ä,í□A□uf,fff€,ìfxNfŠfVfg_ftf@fCf<,ìŠT—v□v,ðŽQ□Æ,μ,Ä,,¾,¾,ç□B

fŠf.[fg fAfNfZfX,ìfxNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A,“,æ,Ň SWITCH.INF) ,í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ,É, ,è,Ü,·□B

fŠf. [fg fAfNfZfX, \ -ftf@fCf<, ì 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, ê, Ä, ç, é%oÄ" \ «, a, , è, Ü, · □B, ±, ì-â'è, ð
%oðCE^, ·, é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, ì□ÄfCf" fXfg□[f<, Ä, ·□B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, ê, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, ê, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, µ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ·, é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v□v, ðŽQ□Æ, µ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, " , æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·□B

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, . □B, ±, ì-â'è, ð
%oðCE^, ., é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, i□ÄfCf" fXfg□[f<, Ä, . □B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ, ., é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, µ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ., é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ÌŠT—v□v, ðŽQ□Æ, µ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, " , æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, . □B

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, ·, B, ±, ì-â'è, ð
%oðCE^, ·, éÄ, àŠÈ'P, È•û-@, íAfŠf, [fg fAfNfZfX, iÄfCf" fXfg [f<, Ä, ·B

fŠf. [fg fAfNfZfX, ÄTf [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, íAfTf [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ðC³, µ, Ä, , ¾, ¾, çBf, fff€
fXfNfŠfVfg, ðC³, ·, é•û-@, É, Ä, ç, Ä, íAuf, fff€, ìfXfNfŠfVfg ftf@fCf<, ÌŠT—v, ðŽQÆ, µ, Ä, , ¾, ¾, çB

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg ftf@fCf< (PAD.INF AMODEM.INF A, " , æ, Ñ SWITCH.INF) , íAsystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·B

661

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ñ, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, ·, B, ±, ì-â'è, ð
%oðCE^, ·, éÄ, àŠÈ'P, È•û-@, íAfŠf, [fg fAfNfZfX, iÄfCf" fXfg [f<, Ä, ·B

fŠf. [fg fAfNfZfX, ÄTf [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, íAfTf [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ðC³, µ, Ä, , ¾, ¾, çBf, fff€
fXfNfŠfVfg, ðC³, ·, é•û-@, É, Ä, ç, Ä, íAuf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v, ðŽQÆ, µ, Ä, , ¾, ¾, çB

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF AMODEM.INF A, ", æ, Ñ SWITCH.INF) , íAsystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·B

fŠf. [fg fAfNfZfX, \-ftf@fCf<, ì 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, ·B, ±, ì-â'è, ð
%oðCE^, ·, éÄ, àŠÈ'P, È•û-@, íAfŠf, [fg fAfNfZfX, ìÄfCf" fXfg [f<, Ä, ·B

fŠf. [fg fAfNfZfX, ÄTf| [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, íAfTf| [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ðC³, µ, Ä, , ¾, ¾, çBf, fff€
fXfNfŠfVfg, ðC³, ·, é•û-@, É, Ä, ç, Ä, íAuf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v, ðŽQÆ, µ, Ä, , ¾, ¾, çB

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF AMODEM.INF A, ", æ, Ń SWITCH.INF) , íAsystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·B

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, ·B, ±, ì-â'è, ð
%oðCE^, ·, éÄ, àŠÈ'P, È•û-@, íAfŠf, [fg fAfNfZfX, iÄfCf" fXfg [f<, Ä, ·B

fŠf. [fg fAfNfZfX, ÄTf [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, íAfTf [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfvfg, ðC³, µ, Ä, , ¾, ¾, çBf, fff€
fXfNfŠfvfg, ðC³, ·, é•û-@, É, Ä, ç, Ä, íAuf, fff€, ìfXfNfŠfvfg ftf@fCf<, ìŠT—v, ðŽQÆ, µ, Ä, , ¾, ¾, çB

fŠf. [fg fAfNfZfX, ìfXfNfŠfvfg ftf@fCf< (PAD.INF AMODEM.INF A, ", æ, Ń SWITCH.INF) , íAsystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·B

∫VfXfef€ ,lf□f,fŠ,ª'« ,è,Ü,¹,ñ□B•s—v,ÈfAfvfŠfP□[fVf†f“,đ□I—¹,μ□A,à,π^ê“xf_fCf,,f<,μ,Ä,,¾,³,¢□B

Šù,É,Ù,©,ìÚ'±,ì,½,ß,Éf|[]fg,ªŽg,í,ê,Ä,ç,éê±,íA,»ìÚ'±
,ðØ'f,·,é,©A,Û,½,ÍGf'fgfŠ,ð•ÒW,µ,ÄA,Ù,©,ì'ÊMf|[]fg,ðŽg,æ,æ,É,µ,Ä,,¾,¾,çB
f|[]fg,ªŽg,í,ê,Ä,ç,È,çê±,íAfŠf,[]fg fAfNfZfX,ÉŽg,xf|[]fg,ðf_fCf,,f< fAfEfg—p,ÉÄ\¬,µ,Ä,-
,¾,¾,çB'€ìŽè±,É,Ä,ç,Ä,íAuf_fCf,,f<fAfbfv flfbfgf[]fN,ðÄ\¬,·,év,ðŽQÆ,µ,Ä,,¾,¾,çB

- Žg—p,μ,Ä,ç,éf,fff€ (,Ü,½,Í,»,ì'¼,i□Ú'±'•'u) ,ª□AZŽÿ,ì,ç,,é,©,ì—□—R,Å%ž“š,đ•Ô,μ,Ü,¹,ñ□B
- f,fff€,ì“d€¹,ª□Ø,é,Ä,ç,Ü,·□B
- f,fff€,ªfRf“fsf...□[f^,ÉŠmŽÀ,É□Ú'±,³,é,Ä,ç,Ü,¹,ñ□BfP□[fuf<,ªf,fff€,É,àfRf“fsf...□[f^,É,àŠmŽÀ,É□Ú'±,³,é,Ä,ç,é,±,Æ,đŠm“F,μ,Ä,,¾,³,ç□B
- fVfŠfAf< fP□[fuf<,ª□AfŠf,□[fg fAfNfZfX,ÅŽg,ª,½,ß,É•K—v,ÈŽd—l,đ-ž,½,μ,Ä,ç,Ü,¹,ñ□B□ufP□[fuf<,ì—
v€□□v,đŽQ□Æ,μ,Ä,,¾,³,ç□B
- f,fff€,ª€è“®□ì,μ,Ü,μ,½□B1 “xf,fff€,ì“d€¹,đ□Ø,è□A20 •bŠÔ'Ò,Á,Ä,©,ç□Af,fff€
- ,ì“d€¹,đ“ü,é'¼,μ,Ä,,¾,³,ç□B

fŠf. [fg fAfNfZfX, \-ftf@fCf<, ì 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, . □B, ±, ì-â'è, ð
%oðCE^, ., é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, ì□ÄfCf" fXfg□[f<, Ä, . □B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ, ., é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, µ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ., é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg, ftf@fCf<, ìŠT—v□v, ðŽQ□Æ, µ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg ftf@fCf< (PAD.INF□AMODEM.INF□A, " , æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, . □B

,à,π^è“x”^,¶fGf“fgfŠ,Éf_fCf,,f<,μ,Ä,,^{3/4,3},ç□B,»,ê,Å,à,±,ìf□fbfZ□[fW,^a•\Ž|,³,é,é□ê□#,í□Af,fff€,ì□
 %Šú'Ê□M'→“x,ð%°°,°□Af,fff€,ìŠg'£<@“\,ðfjft,É,μ,Ä,,^{3/4,3},ç□B□uf,fff€,ì<@“\,ð□Y'è,-,é□v,ðŽQ□Æ,μ,Ä,-
^{3/4,3},ç□B,»,ê,Å,à-â'è,^a%ðCE^,μ,È,ç□ê□#,í□AfVfXfef€ŠÇ—□ŽÒ,É-â,ç□#,í,¹,Ä,,^{3/4,3},ç□B
 Žè“®,Åf_fCf,,f<,μ,Ä,ç,é□ê□#,í□A□Ú'±,³,ê,Ä,ç,é,±,Æ,ðŠm”F,μ,Ä,©,ç□A[Š®—¹],ðfNfŠfbfN,μ,Ä,,^{3/4,3},ç□B

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, ê, Ä, ç, é%oÄ" \«, a, , è, Ü, ·B, ±, ì-â'è, ð
%oðCE^, ·, éÄ, àŠÈ'P, È•û-@, íAfŠf, [fg fAfNfZfX, iÄfCf" fXfg [f<, Ä, ·B

fŠf. [fg fAfNfZfX, ÄTf [fg, ³, ê, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, íAfTf [fg, ³, ê, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfvfg, ðC³, µ, Ä, , ¾, ¾, çBf, fff€
fXfNfŠfvfg, ðC³, ·, é•û-@, É, Ä, ç, Ä, íAuf, fff€, ìfXfNfŠfvfg ftf@fCf<, ìŠT—v, ðŽQÆ, µ, Ä, , ¾, ¾, çB

fŠf. [fg fAfNfZfX, ìfXfNfŠfvfg ftf@fCf< (PAD.INF AMODEM.INF A, ", æ, Ń SWITCH.INF) , íAsystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·B

670

fŠf. [fg fAfNfZfX, \ -ftf@fCf<, ì 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \ «, a, , è, Ü, . □B, ±, ì-â'è, ð
%oðCE^, ., é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, ì□ÄfCf" fXfg□[f<, Ä, . □B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ, ., é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, µ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ., é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v□v, ðŽQ□Æ, µ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, " , æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, . □B

671

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, ·, B, ±, ì-â'è, ð
%oðCE^, ·, éÄ, àŠÈ'P, È•û-@, íAfŠf, [fg fAfNfZfX, iÄfCf" fXfg [f<, Ä, ·B

fŠf. [fg fAfNfZfX, ÄTf [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, íAfTf [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfvg, ðC³, µ, Ä, , ¾, ¾, çBf, fff€
fXfNfŠfvg, ðC³, ·, é•û-@, É, Ä, ç, Ä, íAuf, fff€, ìfXfNfŠfvg, ftf@fCf<, ìŠT—v, ðŽQÆ, µ, Ä, , ¾, ¾, çB

fŠf. [fg fAfNfZfX, ìfXfNfŠfvg, ftf@fCf< (PAD.INF AMODEM.INF A, ", æ, Ń SWITCH.INF) , íAsystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·, B

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, ·, B, ±, ì-â'è, ð
%oðCE^, ·, éÄ, àŠÈ'P, È•û-@, íAfŠf, [fg fAfNfZfX, iÄfCf" fXfg [f<, Ä, ·B

fŠf. [fg fAfNfZfX, ÄTf [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, íAfTf [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfvfg, ðC³, µ, Ä, , ¾, ¾, çBf, fff€
fXfNfŠfvfg, ðC³, ·, é•û-@, É, Ä, ç, Ä, íAuf, fff€, ìfXfNfŠfvfg ftf@fCf<, ìŠT—v, ðŽQÆ, µ, Ä, , ¾, ¾, çB

fŠf. [fg fAfNfZfX, ìfXfNfŠfvfg ftf@fCf< (PAD.INF AMODEM.INF A, ", æ, Ń SWITCH.INF) , íAsystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·, B

673

fŠf. [fg fAfNfZfX, \ -ftf@fCf<, ì 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \ «, a, , è, Ü, · □B, ±, ì-â'è, ð
%oðCE^, ·, é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, ì□ÄfCf" fXfg□[f<, Ä, ·□B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, µ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ·, é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v□v, ðŽQ□Æ, µ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, ", æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·□B

fŠf.[fg fAfNfZfX,ì\[-ftf@fCf<,ì 1 ,Â,É-³CEø,Èî•ň,ªŠÜ,Ü,ê,Ä,ç,é%oÂ"\"«,ª, ,è,Ü,·□B,±,ì-â'è,ð
%oðCE^,·,é□À,àŠÈ'P,È•û-@,í□AfŠf.[fg fAfNfZfX,ì□ÄfCf"fxfg□[f<,Â,·□B

fŠf.[fg fAfNfZfX,ÄfTf|□[fg,³,ê,Ä,ç,È,çf,fff€,ðŽg,Á,Ä,ç,éê±,í□AfTf|□[fg,³,ê,Ä,ç,é,fff€
,ÉCEðŠ·,·,é,©□A,Ü,½,ÍCE»Ý,ìf,fff€,ðŽg—p,Â,«,é,æ,ª,Éf,fff€ fxNfŠfVfg,ð□C□³,μ,Ä,,¾,¾,ç□Bf,fff€
fxNfŠfVfg,ð□C□³,·,é•û-@,É,Â,ç,Ä,í□A□uf,fff€,ìfxNfŠfVfg_ftf@fCf<,ìŠT—v□v,ðŽQ□Æ,μ,Ä,,¾,¾,ç□B

fŠf.[fg fAfNfZfX,ìfxNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A,“,æ,Ñ SWITCH.INF) ,í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ,É, ,è,Ü,·□B

675

fŠf. [fg fAfNfZfX, \ -ftf@fCf<, ì 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \ «, a, , è, Ü, · □B, ±, ì-â'è, ð
%oðCE^, ·, é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, ì□ÄfCf" fXfg□[f<, Ä, ·□B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, µ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ·, é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v□v, ðŽQ□Æ, µ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, ", æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·□B

676

“ , ¶ ” Ô ¤ ¤ , É , à , ¤ ^ è “ x f _ f C f , , f < , µ , Ä , , ¾ , ¾ , ¤ ¤ B [f ¤ ¤ [f U ¤ ¤ [¤ ¤ Ý ’ è] , ì [f _ f C f , , f <] f ^ f u , ð Ž g , ¤
, Æ ¤ A Ž © “ ® “ ! , É f Š f _ f C f , , f < , · , é , æ , ¤ , É ¤ Ý ’ è , Å , « , Ü , · ¤ B ¤ u f Š f _ f C f , , f < , ì ¤ ¤ Ý ’ è ¤ ¤ v , ð Ž Q ¤ Æ , µ , Ä , , ¾ , ¾ , ¤ ¤ B

677

"d~b,đŽó, ¯, ½, ì, í, fff€, Å, í, , è, Ü, ¹, ñ, Å, µ, ½, B" Ô, t, đŠm" F, µ, A, à, π^ê" xf_fCf,, f<, µ, Ä,, ¾, ¾, ç, B

678

"d~b,đŽó, ¯, ½, ì, í, f, fff€, Å, í, , è, Ü, ¹, ñ, Å, µ, ½, B" Ô, t, đŠm" F, µ, A, à, π^ê" xf_fCf,, f<, µ, Ä,, ¾, ¾, ç, B

679

“d~b,đžó, ¯, ½, ì, í, ð, ù, ñ, Å, µ, ½, Ò, ðŠm”F, µ, à, æ, è, x, f, C, f, <, µ, Ä, -, ¾, ¾, ç, B, ft, U, Ý, è, ì, f, C, f, <, f, ^, f, u, đžg, æ, Æ, AŽ, ©, ®, “, l, É, f, Š, f, C, f, <, ·, é, æ, æ, É, Ý, è, Å, <, Ü, ·, B, u, f, Š, f, C, f, <, ì, Ý, è, v, đžQ, Æ, µ, Ä, ¾, ¾, ç, B

- ’
- fŠf, [fg f, fff€^a“ d~b, đžó, ¯, È, ç, è, ð, í, A’ ½, , ð, f, fff€^a, ±, ð, G, f, %o, [, đ• Ò, µ, Ü, ·, B

“d”bü,af,fff€,lfPfbfg,É³,μ,Ú’±,³,ê,Ä,ç,é,±,Æ,đŠm”F,μ,Ä,,¾,¾,çB,Ü,½A“ÁŽê,ÈfAfNfZfX”Ôt,ª•K—
v,Èêê‡,íA,»,lfAfNfZfX”Ôt,à’Ç%Á,μ,Ä, ,é,±,Æ,đŠm”F,μ,Ä,,¾,¾,çB,½,Æ,í,íAŠOü”-
M,.,é,½,ß,ÉÚ“ª”Ôt 9 ,Æff“f},ª•K—v,Èêê‡,È,Ç,ª, ,è,Ü,· (—áF 9,555-8181)B

681

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, ·, B, ±, ì-â'è, ð
%oðCE^, ·, éÄ, àŠÈ'P, È•ù-@, íAfŠf, [fg fAfNfZfX, iÄfCf" fXfg [f<, Ä, ·B

fŠf. [fg fAfNfZfX, ÄTf [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, íAfTf [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ðC³, µ, Ä, , ¾, ¾, çBf, fff€
fXfNfŠfVfg, ðC³, ·, é•ù-@, É, Ä, ç, Ä, íAuf, fff€, ìfXfNfŠfVfg ftf@fCf<, ìŠT—v, ðŽQÆ, µ, Ä, , ¾, ¾, çB

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg ftf@fCf< (PAD.INF AMODEM.INF A, ", æ, Ń SWITCH.INF) , íAsystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'², x,Ä,,¾,¾,ç□B

683

,±,İfGf%oo[,íA'Êí,ìó<μ,Å,í"□¶,μ,Ü,¹,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,ì•ì□X,^a,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,,³/₄,³,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,ìÚ□×,ð'²,×,Ä,,³/₄,³,ç□B

,±,İfGf%o□l,İ□A'Ê□í,İ□ó<μ,Å,Í"□¶,μ,Ü,¹,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%o□l,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,²,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,,³/₄,³,ç□BfGf%o□l,ª%oðCE^,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%o□l,İ□Ú□×,ð'²,×,Ä,,³/₄,³,ç□B

685

,±,İfGf%o□l,İ□A'Ê□í,İ□ó<μ,Å,Í"□¶,μ,Ü,¹,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%o□l,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,²,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,³/₄,³,ç□BfGf%o□l,ª%oðCE^,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İfCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%o□l,İ□Ú□x,ð'²,×,Ä,³/₄,³,ç□B

,±,İfGf%o[]l,İA'Ê[]í,İó<μ,Å,Í"[]¶,μ,Ü,³,ñ[]BfRf"fşf...[]f^,ð[]Ä<N"@,μ,Ä[]AfGf%o[]l,³"[]¶,·,é'O,É[]s,Á,½[]\
[]¬,İ•İ[]X,³,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç[]BfGf%o[]l,³%øðCE^,³,ê,È,ç[]ê[]‡,İ[]AWindows
NT ,İfCfxf"fş f[]fO,ðŽQ[]Æ,μ,ÄCEx[]Ü,½,İfGf%o[]l,İÜ[]x,ð'²,×,Ä,,¾,¾,ç[]B

,±,İfGf%o[]l,İA'Ê[]í,İó<μ,Å,Í"[]¶,μ,Ü,³,ñ[]BfRf"fşf...[]f^,ð[]Ä<N"® ,μ,Ä[]AfGf%o[]l,³"[]¶,·,é'O,É[]s,Á,½[]\
[]¬,İ•İ[]X,³,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,³/4,³,ç[]BfGf%o[]l,³%oðCE^,³,ê,È,ç[]ê[]‡,İ[]AWindows
NT ,İfCfxf"fş f[]fO,ðŽQ[]Æ,μ,ÄCEx[]Ü,½,İfGf%o[]l,İÜ[]x,ð'²,x,Ä,,³/4,³,ç[]B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'², x,Ä,,¾,¾,ç□B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,¹,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,^a,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,,³/₄,³,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'²,x,Ä,,³/₄,³,ç□B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'², x,Ä,,¾,¾,ç□B

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□³, μ, cf+□[fU□[-¼□AfpfXf□□fh□A, ", Æ, Ñfhf□fCf" -¼, ð"ü—í, μ, Ä,, ¾, ³, cf□B, ±
, ê, ç, ì□î•ñ, ³□Šm, É, í, ©, ç, È, cf□ê□#, í□AfvfXfef€ŠÇ—□ŽÒ, É-â, cf□#, í, ¹, Ä,, ¾, ³, cf□B

fhf□fCf", ðŽw'è, μ, È, ç, Æ□Afsf, □[fg fAfNfZfX fT□lfo□[í□Aft□lfo□[Ž©□g, ³ @, ., éfhf□fCf"□ă, Åft□[fU□[-
¼, ÆfpfXf□□fh, ð" F□Ø, μ, æ, x, Æ, μ, Ü, ·□B

- Žg—p,μ,Ä,ç,éf,fff€ (,Ü,½,Í,»,ì'¼,i□Ú'±'•'u) ,ª□AZŽÿ,ì,ç,,é,©,ì—□—R,Å%ž“š,đ•Ô,μ,Ü,¹,ñ□B
- f,fff€,ì“dCE¹,ª□Ø,é,Ä,ç,Ü,·□B
- f,fff€,ªfRf“fsf...□[f^,ÉŠmŽÄ,É□Ú'±,³,é,Ä,ç,Ü,¹,ñ□BfP□[fuf<,ªf,fff€,É,àfRf“fsf...□[f^,É,àŠmŽÄ,É□Ú'±,³,é,Ä,ç,é,±,Æ,đŠm“F,μ,Ä,,¾,³,ç□B
- fVfŠfAf< fP□[fuf<,ª□AfŠf,□[fg fAfNfZfX,ÅŽg,ª,½,ß,É•K—v,ÈŽd—l,đ-ž,½,μ,Ä,ç,Ü,¹,ñ□B□ufP□[fuf<,ì—
vCE□□v,đŽQ□Æ,μ,Ä,,¾,³,ç□B
- f,fff€,ªCEë“®□ì,μ,Ü,μ,½□B1 “xf,fff€,ì“dCE¹,đ□Ø,è□A20 •bŠÔ'Ò,Á,Ä,©,ç□Af,fff€
- ,ì“dCE¹,đ“ü,é'¼,μ,Ä,,¾,³,ç□B

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, ê, Ä, ç, é%oÄ" \«, a, , è, Ü, ·, B, ±, ì-â'è, ð
%oðCE^, ·, éÄ, àŠÈ'P, È•û-@, íAfŠf, [fg fAfNfZfX, iÄfCf" fXfg [f<, Ä, ·B

fŠf. [fg fAfNfZfX, ÄTf [fg, ³, ê, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, íAfTf [fg, ³, ê, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfvg, ðC³, µ, Ä, , ¾, ¾, çBf, fff€
fXfNfŠfvg, ðC³, ·, é•û-@, É, Ä, ç, Ä, íAuf, fff€, ìfXfNfŠfvg, ftf@fCf<, ìŠT—v, ðŽQÆ, µ, Ä, , ¾, ¾, çB

fŠf. [fg fAfNfZfX, ìfXfNfŠfvg, ftf@fCf< (PAD.INF AMODEM.INF A, ", æ, Ń SWITCH.INF) , íAsystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·, B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□×,ð'²,×,Ä,,¾,¾,ç□B

695

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,¹,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,^a,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,³/₄,³,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□×,ð'²,×,Ä,³/₄,³,ç□B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ðÄ<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İÚ□×,ð'²,×,Ä,,¾,¾,ç□B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ðÄ<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İÚ□x,ð'², x,Ä,,¾,¾,ç□B

fŠf. [fg fAfNfZfX, \ -ftf@fCf<, ì 1 ,Ä, É-³CEø, Èî•ñ, ŠÜ, Ü, è, Ä, ç, é%oÄ" \ «, a, , è, Ü, · □B, ±, ì-â'è, ð
%oðCE^, ·, é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, ì□ÄfCf" fXfg□[f<, Ä, ·□B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Ä, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, µ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ·, é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ìŠT—v□v, ðŽQ□Æ, µ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, ", æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·□B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,×,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İÚ□×,ð'²,×,Ä,,¾,¾,ç□B

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fXfNfŠfvg ftf@fCf<,É<L□q,·,éfRf}}f“fh,í□A256 •¶Žš^È%°°É□\$CEÀ,³,ê,Ä,ç,Û,·□B,±
,ìfRf}}f“fh,í□A•i□”,ìfRf}}f“fh,É•°Š,,,μ,Ä,,³/₄,³,ç□B□uf,fff€_fRf}}f“fh□v,ðŽQ□Æ,μ,Ä,,³/₄,³,ç□B

701

f,fff€,ªAfvfšfAf< f|[]fg,Å,ÍTf|[]fg,³,ê,Ä,ç,È,ç'¬“x,ÅÚ'±,µ,æ,æ,Æ,µ,Ü,µ,½B
%Šú'ÊM'¬“x,ðA38400A19200A9600A2400
,ì•W€'ÊM'¬“x,ì't,©,çACE»Ý,ìÝ'è,ìŽŸ,É'á,ç'¬“x,ð'l,ñ,ÅAÝ'è,µ'¼,µ,Ä,,¾,³,çB

702

fŠf. [fg fAfNfZfX, i\ -ftf@fCf<, i 1 ,Ä, É-³CEø, Èî•ň, ŠÜ, Ü, è, Ä, ç, é%oÄ" \«, a, , è, Ü, · □B, ±, ì-â'è, ð
%oðCE^, ·, é□Ä, àŠÈ'P, È•û-@, í□AfŠf, [fg fAfNfZfX, i□ÄfCf" fXfg□[f<, Å, ·□B

fŠf. [fg fAfNfZfX, ÄfTf| [fg, ³, è, Ä, ç, È, çf, fff€, ðŽg, Ä, Ä, ç, éê±, í□AfTf| [fg, ³, è, Ä, ç, éf, fff€
, ÉCEðŠ·, ·, é, ©□A, Ü, ½, íCE»Ý, ìf, fff€, ðŽg—p, Å, <, é, æ, x, Éf, fff€ fXfNfŠfVfg, ð□C□³, µ, Ä, , ¾, ¾, ç□Bf, fff€
fXfNfŠfVfg, ð□C□³, ·, é•û-@, É, Ä, ç, Ä, í□A□uf, fff€, ìfXfNfŠfVfg_ftf@fCf<, ÌŠT—v□v, ðŽQ□Æ, µ, Ä, , ¾, ¾, ç□B

fŠf. [fg fAfNfZfX, ìfXfNfŠfVfg_ftf@fCf< (PAD.INF□AMODEM.INF□A, ", æ, Ń SWITCH.INF) , í□Asystemroot\
System32\RAS fffBfCEfNfgfŠ, É, , è, Ü, ·□B

703

f^[]f~fif< f.[]fh,đ•K—v,Æ,.,éfGf“fgfŠ,É[]Ú'±,Å,«,é,ì,í[]AfŠf,[]fg fAfNfZfX,ì“d~b' ,đŽg,«[]ê[]±,¾,¯,Å,·[]B,±
,ì<@“\,í[]ARASDIAL ,âfŠf,[]fg fAfNfZfX API ,Å,íTfj[]fg,³,ê,Ä,ç,Ü,¹,ñ[]B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,¹,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,^a,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm" F,μ,Ä,³/₄,³,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İÚ□x,ð'²,x,Ä,³/₄,³,ç□B

705

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'², x,Ä,,¾,¾,ç□B

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,³,ñ□BfRf"fsf...□[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,ª,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,,¾,¾,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İ□Ú□x,ð'², x,Ä,,¾,¾,ç□B

707

X.25 $\pm, \textcircled{c}, \text{cfGf}\% \square [, \text{a} \bullet \hat{\text{O}}, 3, \hat{\text{e}}, \ddot{\text{U}}, \mu, \frac{1}{2} \square \text{BX}.25 \text{fvf}\square \text{fofCf}_-, \acute{\text{E}} \hat{\square} ^, \text{ð}-\hat{\text{a}}, \text{t}\square \text{t}, \text{f}, 1, \text{Ä}, 3/4, 3, \text{t}\square \text{B}$

ſvfxfef€ŠÇ—ŹŒ,É^Ë—Š,µ,ÄAfAjfEj“fg,ðÄ,ŇŽg—p,Å,«,é,æ,π,É,µ,Ä,à,ç,Á,Ä,,¾,³,†B

709

,à,π^ê“xfpfXf□□[fh,ð•ï□X,μ,Ä,Ý,Ä,,¾,¾,ç□B,»ê,Å,à,±,ìf□fbfz□[fW,ª•\Ž|,¾,ê,é□ê±,í□AfVfXfef€ŠÇ—
□ŽÒ,É•ñ□□,μ,Ä,,¾,¾,ç□B

710

f,fff€,ì□%Šú'Ê□M'–“x (bps) ,ð%°°,°□A,à,æ^ê“xf_fCf,,f<,μ,Ä,,¾,¾,¾,¾□B□%Šú'Ê□M'–“x,ð%°°,° ,é•û-
@,É,Â,ç,Ä,Í□AfJf“f%ofCf“ fwf<fv,ì□uf,fff€,ì<@“\,ð□Y'è,·,é□v,ðŽQ□Æ,μ,Ä,,¾,¾,¾,¾□B

711

,±,İfGf%oo[,İA'Ê[í,İ6<μ,Å,Í"□¶,μ,Ü,¹,ñ□BfRf"fsf...[f^,ð□Ä<N"® ,μ,Ä□AfGf%oo[,ª"□¶,·,é'O,É□s,Á,½□\
□¬,İ•İ□X,^a,·,x,Ä—LCEø,É,È,Á,Ä,ç,é,±,Æ,ðŠm"F,μ,Ä,³/₄,³,ç□BfGf%oo[,ª%ooðCE^ ,³,ê,È,ç□ê□‡,Í□AWindows
NT ,İCfxf"fg f□fO,ðŽQ□Æ,μ,ÄCEx□□,Ü,½,İfGf%oo[,İÚ□x,ð'²,x,Ä,³/₄,³,ç□B

712

,±,lfGf%o[,íAf_fCf,,f< fAfEfg,Æ'...M—p,É\—,³,ê,Ä,ç,éf[fg (biplex f[fg) ,Å"¶,·,é%oÅ"\
¶«,ª, ,è,Ü,·BfT[fo[,ª'...M—p,Éf[fg,ð%oŠú%o»,μ,Ä,ç,é,Æ,«,ÉA"~Žž,Éf_fCf,,f<fAfEfg,·,é,ÆA,±,lfGf
%o[,ª"¶,μ,Ü,·B"•bEã,ÉfŠ_fCf,,f< ,ê,îAfŠf, [fg fAfNfZfX,É,æ,è,±,ì-â'è,í%oðE^ ,³,è,Ü,·B

713

ISDN %ñü,³,µ,ú'±,³,ê,Ä,¨,èA'fCFWfXf^,³,µ,fCf"fxfg[f<,³,ê,Ä,ç,é,±,Æ,ðŠm" F,µ,Ä,©,ç (ISDN
f[h,]f}fj...fAf<,ðŽQ(Æ)Af_fCf,,f<,µ'¼,µ,Ä,,¼,³,çB,»ê,Å,à,±,lfGf%[.³"¶,·,éê±,íAISDN
f[h,ì»'çE³,lfjXf^f} fT[frfX,©A,Ü,½,í ISDN %ñü,ð'ñ<ÿ,·,é'ÊM<ÆŽÒ,É-â,ç±,í,¹,Ä,,¼,³,çB

714

—~—p%oÂ”\,È ISDN f`fffff<,Í,·,×,ÄŽg—p’t,Å,·□B,Ç,ê,© 1 ,Â,ì%oñ□ü,ì□Ú’±
,ð□Ø’f,μ,Ä,©,ç□A_f_Cf,,f<,μ’¼,μ,Ä,,¾,¾,³,ç□B

715

"FØ'†,É"d~b%ñü,É"ñ"~ŠúfGf%[,"½",μ,Û,μ,½B,à,π^è"x,â,è'¼,μ,Ä,,¾,¾,çB,»,é,Å,à-â'è,ª
%øðĈ^,μ,È,çêê,ÍA'ÊM'¬"x,ð%º,°,Ä,,¾,¾,çB,Û,½A—LĈø,É,μ,Ä,ç,éŠg'£<@"\,ª, ,éêê,ÍA,»,é,ð-
¾Ĉø,É,μ,Ä,,¾,¾,çB"d~b',ĭfĭ"f%ofCf" fwf<fv,ìuf,fff€,ì<@"\,ðÝ'è,·,év,¨,æ,Ñuf,fff€
,ì"Á«v,ðŽQÆ,μ,Ä,,¾,¾,çB

,±,İfGf%o[]l,í[]AfŠf,[]f g fAfNfZfX,İ TCP/IP ,İ[]-É-â'è,ª, ,é,±,Æ,ðŽ,µ,Ä,ç,Ü,·[]BfRf“fsf...
[]f^,ð[]Ä<N“® ,µ,Ä[]A[]-É%oÁ,½•İ[]X,ª,·,x,ÄŠmŽÀ,É—LŒø,É,È,é,æ,x,É,µ,Ä,,¾,³,ç[]B

717

fŠf. [fg flfbfgf [fNã, Å<£ [đ<N, ±, ³, È, ç IP fAfhfCEfX, đŽw'è, μ, ĀA, à, α^ê "xŽŽ, μ, Ā, Ý, Ā, ³/4, ³, çB

718

PPP , ìĈøM, íA, ç, Á, ½, ňŠjŽn, ³, ê, Ü, μ, ½, ²AfŠf, [fg fRf“fsf... [f^, ²“KØ, ÈŽžŠÔ“à, É
%ž“š, ð•Ô, ³, È, ©, Á, ½, ½, ß|—¹, ³, ê, Ü, μ, ½B, ±, ìfGf%o[, íA%ñü, ì•iž; ²^« , çêê†, âAfT[fo[, É-â'è, ², ,
éêê†, É“¶, μ, Ü, ·B

719

PPP , ìĀēðM, íA, ç, Á, ½, ňŠjŽn, ³, ê, Ü, μ, ½, ²AfŠf, [fg f}fVf“, ì—v< , Å|—¹, ³, ê, Ü, μ, ½BfT [fo [ä, ÅfGf
%o [, ²“ [¶, μ, ½, ÆŽv, í, ê, Ü, ·B

,±,lfGf“fgfŠ—p,É∅∅¬,³,ê,½ PPP flfbfgf∅∅[fN∅§CEävfvf∅fgfRf<,ª,È,ç, ©∅A,Ü,½,í’í%ž,·,éflfbfgf∅∅[fN
fvf∅fgfRf<,ªfCf“fXfg∅[f<,³,ê,Ä,ç,Ü,¹,ñ∅B,±,lfGf%∅∅[í∅A∅»•i,lfAfbfvfOfCE∅[fh∅^—∅,É,æ,Á,Äflfbfgf∅∅[fN
fvf∅fgfRf<,lŽí—p,ª•ï∅X,³,ê,½∅ê∅‡,É”∅¶,μ,Ü,·∅B[“d~b’ ,lfGf“fgfŠ,ì•Ò∅W] f_fCfAf∅fO f{fbfNfX,ì [fT∅[fo∅∅]
f^fu,Á∅A[f_fCf,,f<fAfbfv fT∅[fo∅∅[.lŽí—p] f{fbfNfX, ©,ç [PPP] ,đ’l’đ,μ∅A[flfbfgf∅∅[fN fvf∅fgfRf<] ,Á•K—
v,Éfvf∅fgfRf<,đ’²,×∅AfGf“fgfŠ,đ∅C∅³,μ,Ä,,¾,³,ç∅B<∅\$“l,Éf_fEf“fCEfxf<,ì RAS ∅Ú’±,đ∅s,‡
,½,β,É^Ó∅}“l,É,·,×,Ä,lfvf∅fgfRf<,lf`fFfbfN f{fbfNfX,đflft,É,μ,½∅ê∅‡,í∅A,±,lfGf%∅∅[í∅Af_fEf“fCEfxf<,ì∅Ú’±
,ÉŽg,í,ê,é NetBEUI fvf∅fgfRf<,ªfCf“fXfg∅[f<,³,ê,Ä,ç,È,ç,±,Æ,đŽ!,μ,Ü,·∅B

PPP ,É,æ,éÚ'±,ŽŽ,Ý,ç,ê,Ü,μ,½, AfŠf, [fg fRf"fsf... [f^, %ž"š, μ, Ü, 1, ñ, Å, μ, ½ B, ±, lfGf
% [AfT [fo [, PPP ,đTf [fg, μ, Ä, ç, È, ç ê ± (, ½, Æ, I, Af fEf" fCEfxf<, lfŠf, [fg fAfNfZfX fT [fo [, à
SLIP fT [fo [, È, Ç, I ê ±) , É" ¶, μ, Ü, · B

f_fEf" fCEfxf<, lfŠf, [fg fAfNfZfX fT [fo [, Æ' Ê M, ·, é, É, Í ANetBEUI fvf [fgfRf<, afCf" fXfg [f<, 3, ê, Ä, ç
, È, ·, ê, Í, È, è, Ü, 1, ñ B, Ü, ½ ASLIP fT [fo [, Æ' Ê M, ·, é, É, Í Af_fCf, f<, ·, éfGf" fgfŠ, É SLIP
fvf [fgfRf<, ð' I' ð, μ ATCP/IP fvf [fgfRf<, đfCf" fXfg [f<, μ, Ä, ç, È, ·, ê, Í, È, è, Ü, 1, ñ B Ú ×, É, Ä, ç
, Ä, Í A uf lfbfgf [fN fvf [fgfRf<, I Y' è v, đŽQ Æ, μ, Ä, , ¾, ¾, ç B

, ±, lfGf% [AfT [fo [, PPP Ú' ± ŠŽn'O, Éf^ [f~fif<, đŽg, Á, ½ f [fOf" , đ—v< [, ·, é ê ± , É, à" ¶, ·, é% Å"
 [«, a, , è, Ü, · B fT [fo [, af^ [f~fif<, đŽg, Á, ½ f [fOf" , đ—v< [, ·, é ê ± , Í Af_fCf, f< Afbfv flfbfgf [fN, I
 [fXfNfŠfvg] f^ fu, Å Af^ [f~fif< fEfBf" fhfE, đŽg, x, æ, x, É' I, Ô, ±, Æ, a, Å, «, Ü, · B

f^ [f~fif<, đŽg, Á, ½ f [fOf" , É, æ, è-â' è, đ% đCE^ , Å, «, ½ ê ± , Í Af_fCf, f< Afbfv flfbfgf [fN, I [fXfNfŠfvg]
 f^ fu, Af_fCf, f< CEä, É<N" ® , ·, éfXfNfŠfvg, ð' I' ð, ·, é, ±, Æ, É, æ, è A^ È ~, I Ú' ±, Å, lf^ [f~fif< f [fOf" , đŽ © " ®
% » , ·, é, ±, Æ, a, Å, «, Ü, · B

722

ŽóM,μ,½ PPP fpfPfbfg,ìE`Ž®,ª—LCEø,Å,í, ,è,Ü,¹,ñ,Å,μ,½B

723

“d~b”Ô□†,ì·,³í□A□ú“a”Ô□†,Æ□ú”ö”Ô□†,àšÛ,ß,Ä□A□Å’â 128 •¶žš,Û,Å,Å,·□B

725

,±,İfGf%o[]l,í[]AfŠf,[]fg fAfNfZfX,ì IPX []\[]¬,É-μ[],,ª, ,é,±,Æ,đŽ!,μ,Ä,ç,Ü,·[]BfRf“fsf...
[]f^,đ[]Ä<N“® ,μ,Ä[]A[]\[]¬,É%oÁ,¡,½•İ[]X,ª,·,×,ÄŠmŽÀ,É—LŒø,É,È,é,æ,α,É,μ,Ä,,¾,³,ç[]B

726

IPX fvf□fgfRf<,đŽg,Á,½f_fCf,,f< fAfEfg,Å,í□Af|□[fg,í 1 ,Â,μ,©Žg—p,Å,«,Ü,¹,ñ□B

727

TCPCFG.DLL ,íATCP/IP ,i•K{ \ —v'f,Å,·BTCP/IP ,^aμ,fCf“fXfg[f<,³,ê,Ä,ç,é,±,Æ,đŠm”F,μ,Ä,-
,³/₄,³,çB

,±,İfGf%o[]l,í[]AfŠf,[]f g fAfNfZfX,İ TCP/IP ,İ[]\[]¬,É-â'è,ª, ,é,±,Æ,ðŽ,ı,μ,Ä,ç,Ü,·[]BfRf“fsf...
[]f^,ð[]Ä<N“®,μ,Ä[]A[]\[]¬,É%oÁ,ı,½•İ[]X,ª,·,×,ÄŠmŽÀ,É—LÆø,É,È,é,æ,α,É,μ,Ä,,¾,³,ç[]B

729

fRf“fgf□□lf< fpflf<,đŽg,Á,Ä TCP/IP ,đfCf“fXfg□□lf<,μ,Ä,,³/₄,³,¢□B

730

fRf“fsf... [f^, l“o~ ^□ó‘Ô, ÉŠÖ, ., é□î•ñ, a—v<□, ³, ê, Ü, μ, ½, a□A—v<□, ³, ê, ½Žž“_ , Å, í□A, » , i□î•ñ, í, Ü, ¾Žæ“¾
%oÅ“\, É, È, Á, Ä, ç, Ü, ¹, ñ, Å, μ, ½□B

731

PPP ¶§Eäfvf¶fgfRf<,ÉŠÖ,·,é“Á'è,ìî•ñ,^a—v<¶,³,ê,Ü,μ,½,^a¶PPP ¶§Eäfvf¶fgfRf<,Í\¶¬,³,ê,Ä,¢
,Ü,¹,ñ,Å,μ,½¶B

733

ft[f]o[f],í[APPP ,đftf][fg,μ,Ä,č,Ü,·,ª[AfNf%ofCfAf“fg flfbfgf[fN fv[fgfRf<,đftf][fg,μ,Ä,č,Ü,¹,ň[B

PPP fŠf“fN□§Eäfvf□fgfRf<, ìEð□M, í□A, ç, Á, ½, ñŠJŽn,³, ê, Ü, μ, ½, ^a□AfŠf, □[fg fRf“fsf...□[f^, ì—v<□, Å□—
^{1,3}, ê, Ü, μ, ½□BfT□[fo□[□ă, ÅfGf%□[. ^a□¶, μ, ½, ÆŽv, í, ê, Ü, ·□B

735

fNf%oCfAf“fg,í“Á'è,ì IP fAfhfCEfX,ð—v<□,·,é,æ,ɹ,É□\□¬,³,ê,Ä,ç,Û,·,ª□Aft□[fo□[,ªfNf%oCfAf“fg,É“Á'è,ì IP
fAfhfCEfX,ð—v<□,·,é,±,Æ,ð<-%oÂ,μ,Ä,ç,È,ç,©□A,Û,½,ÍŽw'è,μ,½ IP fAfhfCEfX,ÍŠù,É,Û,©,ìfNf
%oCfAf“fg,ÉŽg,í,ê,Ä,ç,Û,·□B

736

PPP flfbfgf[]fN[]\$CEäfvf[]fgfRf<, ìCEð[]M, í[]A, ç, Á, ½, ñŠJŽn, ³, ê, Ü, μ, ½, ^a AfŠf, []fg fRf“fsf...[]f^, ì—v<[], Å[]—
^{1,3}, ê, Ü, μ, ½[]BfT[]fo[][]ă, ÅfGf%[][, ^a”[]¶, μ, ½, ÆŽv, í, ê, Ü, ·[]B

737

PPP ĆđM,đs,Á,Ä,ć,éff[fjf< fRf“fsf...[f^,ÆfŠf, [fg fRf“fsf...[f^,í“^ê, ðRf“fsf...[f^, Å, ·B'ÉíA, ± , ðGf% [, í AfŠf“fN ä, ð'·u (f, fff€, È, Ç) , ð•¶Žš, ðfGfR [fofbfN, μ, Ä, ć, é, ±, Æ, ðŽ!, μ, Ä, ć, Ü, ·B, ± , é, ç, ð'·u, ðfŠfZfbfg, μ, Ä, , ¼, ³, ćB

Microsoft Windows NT fT [fo [^ ÈŠO, ðT [fo [, ðê [, íA, ±, ðGf% [, í AfŠf, [fg fRf“fsf...[f^, ðÚ' ±, ðŠm —š, ·, é'O, ÉfefĀf^fcfvf%ofCf^ [(TTY) Ć`Ž@, ðfOfCf“, ðŽŽ, Ý, Ä, ć, é, ±, Æ, ðŽ!, μ, Ä, ć, é [ê [, à, , è, Ü, ·B, ± , ðGf“fgfŠ, ðAÚ' ± Ćä, Éf^ [f~fif< fEfBf“fhfE, ð·\Ž!, ·, é, æ, x, É [[, μ, Ä, , ¼, ³, ćB

738

fT[f_ol, íAŠ,, è“-, Ä, ç, ê, Ä, ç, éfAfhfCEfX fv[f<, ©, ç, ì IP fAfhfCEfX, ðfNf%ofCfAf“fg, ÉŠ,, è“-, Ä, é, ±, Æ, ð, Å, «, Ü, ¹, ñ, Å, µ, ½BfŠf. [fg flfbfgf[fN, Å<£±, ð<N, ±, ³, È, ç, æ, æ, È IP fAfhfCEfX, ðfNf %ofCfAf“fgä, ÅŽw'è, µ, ÄÚ'±, µ, Ä, Ý, Ä, ³/₄, ³, çB

739

,±,İfGf%o[,İAMicrosoft Windows NT fT[fo[^ÈŠO,İfT[fo[,Ö PPP ū'±,đs,Á,½,Æ,«,É,μ,©"-
ŋ,μ,Ü,¹,ñBfT[fh fp[fefB,İfT[fo[,Æ,İ'ŠCEY%o^—p,İ,½,ß,ÉŽg,í,ê,é PPP
,İ•W€"FøfjvfjgRf<,Á,İAfNfŠfAfefLjXfgE`Ž®,Á~—p%oÂ"\,ÈfpfXf[fh,ª—v<³,ê,Ü,·,ªAWindows
NT ,Á,İfZfLf...fŠfefB,đ•Û,Â,½,ß,É^Ã+%o»,³,ê,½fpfXf[fh,μ,©•Û'ŋ,³,ê,Ü,¹,ñB

740

fŠf. [fg fAfNfZfX—p, É\□¬,³,ê,Ä,ç,é TAPI fffofCfX, ì%Šú
%»»,ÉŽ, "s,μ,½, ©□A,Ü,½,Í,», ìfffofCfX,²□³□í,ÉfCf“fXfg□[f<,³,ê,Ä,ç,Ü,¹,ñ,Å,μ,½□BfŠf,□[fg fAfNfZfX, " ,æ,Ñ
TAPI fffofCfX,ð□í□œ,μ□AŽŸ,É□AfŠf,□[fg fAfNfZfX, " ,æ,Ñ TAPI fffofCfX,ð□ÄfCf“fXfg□[f<,μ,Ä,,¾,³,ç□B

741

[ff[f^,ð^Ã+%%»,,é] f`fFfbfN f{fbfNfX,ªfif“,É,È,Á,Ä,ç,Û,·,ªARAS fhf%oofCfo,É^Ã+%%»<@”\ ,ª, ,è,Û,¹,ñB,±,lf`fFfbfN f{fbfNfX,ðfift,É,µ,ÄA^Ã+%%»»,ðs,í,È,çÚ’±,ðŽg,Á,Ä,,¾,¾,çB

742

[ff[f^,ð^Ä+%%».,.é] f`fFfbfN f{fbfNfX,afif“,É,È,Á,Ä,ç,Ü,.,ªARAS fT[fö[l,Íff[f^,ì^Ä+%%».,ðTfj
[fg,µ,Ä,ç,Ü,¹,ñB,±,ì`fFfbfN f{fbfNfX,ðfjft,É,µ,Ä^Ä+%%».,ðs,í,È,çÚ'±,ðŽg,κ
,©A,Ü,½,ÍVfXfef€ŠÇ—ŽÒ,É-â,ç‡,í,¹,Ä,,³/₄,³,çB

743

[f^, ð^Ã+%%».,.é] f`fFbfN f{fbfNfX,ªfif“,É,È,Á,Ä,ç,Ü,.,ªA f[] [f]f< RAS fNf%ofCfAf“fg,É,Í^Ã+%%»<@“\ ,ª, ,è,Ü,¹,ñB

744

WAN ,Æ, ðfCf“f^□[ftfFfCfX—p,Æ,μ,Ä□ARAS fT□[fo□[,©,çfNf%ofCfAf“fg,ÉŠ,,è“- ,Ä,ç,ê,½ IPX
flfbfgf□□[fN“Ô□†,Í□AŠù,ÉfNf%ofCfAf“fg,ì LAN □ã,ÅŽg,í,ê,Ä,ç,Ü,·□B

fNf%ofCfAf“fg,ð LAN ,©,ç□Ú‘±%oð□œ,μ□A3 •ªŠÔ‘Ò,Á,Ä,©,ç,â,è‘¼,μ,Ä,,¾,³,ç□B

752

“d~b’ fGf“fgfŠ,ÉŠÖ~A•t, ¯,ç,ê,Ä,ç,éf_fCf,,f<fAfbfv fXfNfŠfsvfg,É\•¶fGf%oo[,a, ,è,Ü,·□B
f_fCf,,f<fAfbfv flfbfgf□□[fN,Å□A“d~b’ fGf“fgfŠ,ÉŠÖ~A•t, ¯,ç,ê,Ä,ç,éfXfNfŠfsvfg,đ•Ò□W,μ,Ä,-
,³/₄,³,ç□B[fXfNfŠfsvfg] f^fu,Å□A[fXfNfŠfsvfg,ì•Ò□W] ,đfNfŠfsvfgN,μ,Ü,·□B

RAS fl[]fgf_fCf,,f<,lŠT—v

RAS ,lfl[]fgf_fCf,,f<,í[]Aflfbfgf[]fN fAfhfCEfX,Æ RAS “d~b’ fGf“fgfŠ,ì’í%žŠÖCEW,ðŠÇ—
[],μ[]A•ŮŽç,μ,Ů,·[]B,±,ì<@”\,É,æ,è[]AfAfvfŠfP[]fVf}f“,âfRf}f“fh f%ofCf“,©,çflfbfgf[]fN
fAfhfCEfX,âŽQ[]Æ,³,è,½,Æ,«,É[]A^î%ž,·,é“d~b’ fGf“fgfŠ,âŽ©“@“l,Éf_fCf,,f<,³,è,Ů,·[]Bflfbfgf[]fN
fAfhfCEfX,É,í[]AfCf“f^[]flfbfg fzXfg-¼[]AIP fAfhfCEfX[]A,Ů,½,í NetBIOS fT[]fo[][-¼,ðŽg—p,Â,«,Ů,·[]B
,Ů,½[]Af[]fgf_fCf,,f<,Â,í[]ARAS []Ú’±,ð%ôî,μ,½,·,x,Ä,ì[]Ú’±[]î•ñ,â<L%o~ ,³,è,é,½,ß[]A^ÈCEã,ì[]Ä[]Ú’±
,âŽ©“@%o»,³,è,Ů,·[]B

- fl[]fgf_fCf,,f<,É,æ,é[]Ú’±,É,í[]AZÏ,ì 2 ,Æ,“,è,ì•û-@,â, ,è,Ů,·[]B
- fT[]fU[][,âflfbfgf[]fN,É[]Ú’±,μ,Ä,ç,É,ç[]è[]#,É[]AfAfvfŠfP[]fVf}f“,âfŠf,[]fg
fAfhfCEfX,ðŽQ[]Æ,·,é,Æ[]Af[]fgf_fCf,,f<,lflfbfgf[]fN[]Ú’±,ðSm—š,μ,æ,æ,Æ,μ,Ů,·[]B
- fT[]fU[][,âflfbfgf[]fN,É[]Ú’±,μ,Ä,ç,é[]è[]#[]Af[]fgf_fCf,,f<,í[]A^È^O,É<L
%o~ ,μ,½fAfhfCEfX,É’í,μ,Ä,ì,ÿflfbfgf[]fN[]Ú’±,ðSm—š,μ,æ,æ,Æ,μ,Ů,·[]BfT[]fo[][-¼,âfCf“f^[]flfbfg fzXfg-
¼,ðfT[]fU[][,âŠÖ^á,Ä,Ä“ü—í,μ,½[]è[]#,í[]A[]Ú’±,íSm—š,³,è,Ů,¹,ñ[]B

ŠÖ~A[]€-Ů

fl[]fgf_fCf,,f<,ðflft,É,·,é

fl[]fgf_fCf,,f<,ÉŠÖ,·,éqf%ofuf<fVf...[]fefBf“fo

fI[fgf_fCf,,f<,ðfift,É,·,é

fI[fgf_fCf,,f<,ÍAfrf“fsf...[f^,ìN“®Žž,ÉŽ©“®“l,É—LCEø,É,È,è,Û,·,ªA•K—v,É%ž,¶,Äfift,É,·,é,±,Æ,à,À,«,Û,·(,½,Æ,¡,ÎA1,Â,ìŠŠÝ’n,ìRf“fsf...[f^,É•i“,ìCf“f^[]fifbfg fv[]fofCf_,ªÝ’è,µ,Ä, ,èA•K—v,É%ž,¶,Äfv[]fofCf_,ðŽg,ç•ª,·,éèè†,È,Ç)B

fI[fgf_fCf,,f<,ðfift,É,·,é,É,Í

1 f_fCf,,f<fAfbfv fifbfgf[]fN,ÂA[f_fCf,,f<,·,é“d~b’ fGf“fgfŠ] ^è—,©,çf_fCf,,f<æ,ìGf“fgfŠ,ð’l’ð,µ,Û,·B

2 [,»,ì¼], ðfNfŠfbfN,µA[ft[]fU[]fÝ’è] ,ð’l’ð,µ,Û,·B

3 [f_fCf,,f<] f^fu,ÂA[[]ŠŠÝ’n,É,æ,èfI[fgf_fCf,,f<,ðŽg,µ] ^è—,É•Ž!,³,è,Ä,ç,éŠe[]ŠŠÝ’n,ìf`fFfbfN f{fbfNfX,ðfift,É,µ,Û,·B

fI[fgf_fCf,,f<,ðfif“ ,É,·,é,É,ÍA[[]ŠŠÝ’n,É,æ,èfI[fgf_fCf,,f<,ðŽg,µ] ^è—,É•Ž!,³,è,Ä,ç,éŠe[]ŠŠÝ’n,ìf`fFfbfN f{fbfNfX,ðfif“ ,É,µ,Û,·B

ŠÖ~A[]€-Ú

RAS fI[fgf_fCf,,f<,ìŠT—v

fI[fgf_fCf,,f<,ÉŠÖ,·,éfgf%uf<Vf...[fefBf“fO

fj[fjgf_fCf,,f<,ÉŠÖ,·,éfgf%ofuf<fvf...[fefBf"fo

CE»Y,lfšfš[fX,ìšm"FO,Ï,Ì-à'è

- fjbfgf[fN fj[fh,δ-³CEø,É,·,é•K—v,ª, ,éèèèAfjfbfgf[fN fAf_fvf^ fj[fh,©,cfP[fuf<,δ,Í,·,µ,½,¾,¾,·,Á,ÍAfjfbfgf[fN,δ-³CEø,É,µ,½f[Ó'Ó,É,·,é,±,Æ,Í,Á,«,Û,¹,ñB,±,ì,æ,π,Éèèè,ÍAfjfbfgf[fN fAf_fvf^ fj[fh,δ-³CEø,É,µ,½fn[fhfEjFfA fvf[ftf@fCf<,δ[V,µ,[]-µ,Á,,¾,¾,¾,¾,¾,¾
- fRf"fgf[f< fpjlf<,ì [fvfXfef€] fAfCfRf",δf_fuf<fNfSfbfN,µ[Afn[fhfEjFfA fvf[ftf@fCf<] f^fu,ÁACE³,ìY'è,lfRfs[.,δ[]-µ,Û,·BŽY,ÉAfRf"fgf[f< fpjlf<,ì [ffofCfX] fAfCfRf",δf_fuf<fNfSfbfN,µAfjfbfgf[fN fj[fh,δ'ì'è,µ,Á,©,ç [fn[fhfEjFfA fvf[ftf@fCf<] ,δfNfSfbfN,µ,Û,·B[V,µ,çfn[fhfEjFfA fvf[ftf@fCf<,δ'ì'è,µAfjfbfgf[fN fj[fh,δ-³CEø,É,µ,Û,·B[VfXfef€ ,δ[Á<N"®,,·,é,ÆAfjfbfgf[fN,ª-³CEø,É,É,Á,½fv[ftf@fCf<,δ'ì'è,Á,«,Û,·B
- PCMCIA fj[fh,δ[ŽŽ'·...µ,½f[ftf@fCf< fRf"fsf...[f^,δŽg,Á,ÁA%"Šu'n,©,cfjfbfgf[fN,É[Ú± ,·,éèèè,É,Ç,ÉA,±,ìY'è,Ì-è—š,ì,Û,·B

- ŽY,ì 3 ,Á,ìδCE[.,ª[]-š,·,éèèè,ÍADNS ft[f[]f[]f,afCf" f^[]fjfbfg fzxfg-¼,δ%øCE^ ,µ,Á,ç,É,ç,± ,Æ,δšm" F,µ,Û,·B
- fjbfgf[fN,ª,É DNS ft[f[]f[]f,ª'f[]Y',·,é
- fjbfgf[fN,afCf" f^[]fjfbfg,É'¼[Ú±,ª,è,Á,ç,É,ç
- fCf" f^[]fjfbfg fAfhfCfX,ÉŽ©"®"l,Éf_fCf,,f<,·,é

'â"ª,lfCf" f^[]fjfbfg ft[fefBfšfefB (ftp,â WWW fuf%ofEfU,È,Ç) ,Á,ÍA[³šm,É'è'v,·,é-¼'Ó,è DNS ,É-â,ç[±,ì,¹,é,±,Æ,Í, ,è,Û,¹,ñB,±,ì,½,ßADNS ft[f[]f[]f,ÍAfAfhfCfX,δf[]fjfbfg fhf[]fCf"ª,lfAfhfCfX,Æ,µ,Á %øCE^ ,µ,Á,µ,Û,±,Æ,ª, ,è,Û,·B,½,Æ,Í,ÍAfjfbfgf[fN,É[Ú±,µ,Á,ç,é,Æ,«,É[AŽY,ì,æ,π ,ÉfRf}f"fh,δ"ü—ì,µ,Û,·B

```
C:> ping ftp.microsoft.com
Bad IP address ftp.microsoft.com
```

,±,ì **ping** fRf}f"fh,Á-¼'Ó,ª IP fAfhfCfX,É%øCE^ ,ª,è,éèèè,ÍAŽg—p,µ,Á,ç,éRf"fsf...[f^,ì DNS ,δ-³CEø,É,µ,Û,·,é,ì,è,è,Û,¹,ñB,±,ì,æ,π,É,·,é,ÍAfjfbfgf[fN,É[Ú±,µ,Á,ç ,é,Æ,«,É,àAf[]fjfbfg_fCf,,f<,ÁfCf" f^[]fjfbfg fAfhfCfX,ÉŽ©"®"l,Éf_fCf,,f<,Á,«,Û,·B

- fj[fjgf_fCf,,f<,É,Í[AQ,É,,Æ,à 1 ,Á,Í TAPI [ššY'n,ª•K—v,Á,·Bf[]fjgf_fCf,,f<,ÍACE»Y,ì TAPI [ššY'n,ÉŠÍ,Á,ç,ÁA" ,lfAfhfCfX,δŽ[Á'ù,É,é RAS "d'b' fGf"fgfš,ÉŽ©"®"l,Éf_fCf,,f<,·,é,±,Æ,ª, ,è,Û,·B,½,Æ,Í,ÍAHome ,Æ Office ,ì 2 ,Á,Í TAPI [ššY'n,δ[]-µAfRf}f"fh **ftp ftp.microsoft.com** ,δŽÀ[s,·,é,Æ,µ,Û,·BCE»Y,ì TAPI [ššY'n,ª Home ,ÉY'è,ª,è,Á,ç,éèèèAf[]fjgf_fCf,,f<,ÍARAS "d'b' fGf"fgfš,ì INTERNET1 ,ÉŽ©"®"l,Éf_fCf,,f<,µ,Û,·BCE»Y,ì TAPI [ššY'n,ª Office ,ÉY'è,ª,è,Á,ç ,éèèèAf[]fjgf_fCf,,f<,ÍARAS "d'b' fGf"fgfš,ì INTERNET2 ,ÉŽ©"®"l,Éf_fCf,,f<,µ,Û,·B

TAPI [ššY'n,δ[]-µ,·,é,É,ÍAfRf"fgf[f< fpjlf<,ì [fefCftfHfj[]] ,δŽg,ç,Û,·B

- fGfNfXfv[]f[]f%ª,ª%šÚ%»ª,ª,è,é,Æ,«,É[AffXfNfgfbfv,lfvf[]fjfbfg fAfCfRf",áfšf"fn[æ,lfšf,[]fg fpfX,ªŽQ[Æ,ª,è,é,±,Æ,ª, ,è,Û,·B,±,ì,æ,π,ÉèèèAf[]fjgf_fCf,,f<,ªŽA[s,ª,è,é,±,Æ,ª, ,è,Û,·BfRf"fsf... [f^,ò,lf[]f[]f"Žž,Éf[]fjgf_fCf,,f<,ª[Ú±,δšm—š,µ,æ,π,·,éèèè,ÍAffXfNfgfbfv,lfvf[]fjfbfg fAfCfRf",áfšf"fn[æ,©,çšf,[]fg fpfX,δ[]-µ,·,é,©[A,Û,½,lf[]fjfbfg fvf@fCf<,δŽQ[Æ,·,é,æ,π ,ÉY'è,è,Í[X,µ,Á,,¾,¾,¾,¾,¾,¾
- [fvf^[]fg] f[]fj...[.,ì [ftf@fCf<-¼,δŽw'è,µ,ÁŽÀ[s] fRf}f"fh,ì'è—,É•Ž[.,ª,é,éRf}f"fh,ªfšf,[]fg fpfX,ÉfAfNfzfx,·,éèèè[A,»lfRf}f"fh,δ'ì'è,·,é,ÆAf[]fjgf_fCf,,f<,ªŽA[s,ª,è,Û,·BCE»Y[A,±,ì'è—,ì[€-Û,èCEÁ•É,É[]-µ,·,é,±,Æ,Í,Á,«,Û,¹,ñB,±,ì-à'è,δ%ñ"è,·,é,É,ÍAfCfWfXfgfš,ì HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\RunMRU fL[.,δ[]-µ,·,é,ÍAf[]f[]f,µ,½CE[Á,à,ª'è"xf[]f[]f",µ,Û,·Bf[]f[]f,µ'¼,·,Æ[AfXf^[]fg] f[]fj...[.,ì [ftf@fCf<-¼,δŽw'è,µ,ÁŽÀ[s] fRf}f"fh,ì'è—,ì,ó,É,É,è,Û,·B

fj[fjgf_fCf,,f<,ìó'Ó

-à'è,ª, ,éèèè,ÍAfRf}f"fh fvf[]f"fvfg,©,çŽY,lfRf}f"fh,δŽÀ[s,·,é,ÆAf[]fjgf_fCf,,f<,ìšì- {ó'Ó,ÉŠÖ,·,éèèè,δžæ"¾,Á,«,Û,·B

C:> rasautou -s

,±,lfRf}f"fh,ì[—ÍCE%øÈ,ÍAfjfbfgf[fN fAf_fvf^ fj[fh,lfofCf"fh,ÆAf[]fjgf_fCf,,f<,É<L%ø^ ,ª,è,Á,ç ,éAfhfCfX,ì'è—,ì 2 ,Á,Í"ª,©,ç[]-µ,·,é,Û,·Bfjfbfgf[fN,É[Ú±,ª,è,Á,ç,é,± ,Æ,δf[]fjgf_fCf,,f<,ª" FŽ' ,·,é,É,ÍA[Q,É,,Æ,à 1 ,Á,lfjfbfgf[fN fAf_fvf^ fj[fh,lfofCf"fh,ª"®[.,µ,Á,ç,é,±

,Æ,ª•ñ□□,³,ê,È,~,ê,Î,È,è,Û,¹,ñ□Bflfbfgf□□[fN,É□Ú'±,μ,Ä,ç
,é,Æ,«,É□Afl□[fgf_fCf,,f<,ªŽ©“@“l,Éflfbfgf□□[fN□Ú'±,đŠm—š,·,é,É,Í□Afl□[fgf_fCf,,f<,É<L%□,³,ê,Ä,ç
,éfAfhfCfX,ì^è—,É-Ú“l,ÌfAfhfCfX,ª,È,~,ê,Î,È,è,Û,¹,ñ□BŽŸ,É□Aflfbfgf□□[fN fAf_fvf^ f□[fh,ìfofCf“fh,Æ<L
%□,³,ê,Ä,ç,éfAfhfCfX,ì^è—,ì—á,đŽ!,μ,Û,·□B

Checking netcard bindings...

NetworkConnected: network (\Device\Nbf_IEEPRO1, 0) is up

Enumerating AutoDial addresses...

There are 3 Autodial addresses:

ftp.microsoft.com

198.105.232.1

SCRATCH

ŠÖ~A□€-Ú

f□[fgf_fCf,,f<,đflft,É,·,é

RAS f□[fgf_fCf,,f<,ìŠT—v

f}f<f`fŠf“fN f_fCf,,f<,İŠT—v

"f}f<f`fŠf“fN” ,Æ,ÍA•;□”,ì•” —□“l,ÈfŠf“fN,đ’g,Ý□‡,í,¹,Ä 1 ,Ä,İ~ —□“l,È ““©” ,É,·,é,±,Æ,Ä,·□B,±,ì,æ,ı
,ÉfŠf“fN,đ’© ,È,é,±,Æ,É,æ,è□A’Ñ^æ•□,²□L,²,è,Ü,·□B

RAS ,í□A•;□”,ì İSDN□AX.25□A,Ü,½,Íf,fff€%ñ□ü,đ%î,μ,Ä PPP f}f<f`fŠf“fN f_fCf,,f<,đŽÄ□s,μ,Ü,·□B,±
,ì<@“\,²—~—p,Ä,«,é,ì,í□A•;□”,ì WAN fAf_fvf^,đfRf“fsf...□[f^,²—~—p,Ä,«,é□ê□‡,¼,~ ,Ä,·□B

f}f<f`fŠf“fN,đ—~—p,·,é,É,í□AfNf%□fCfAf“fg,ÆfT□[fo□[,ì—¼•ù,Äf}f<f`fŠf“fN,đ—
LCEø,É,μ,È,~ ,ê,î,È,è,Ü,¹,ñ□B

'□ fZfLf...fŠfefB□ã,ì—□—R,© ,ç□Aft□[fU□[,ÉfR□[f<fofbfN,·,é,æ,ı,É□□¬,³,ê,Ä,ç,é (“□SfR□[f<fofbfN”)
fT□[fo□[,É□Af}f<f`fŠf“fN,³,è,½“d~b’ fGf“fgfŠ,đŽg,Ä,ÄfNf
%□fCfAf“fg,© ,çf_fCf,,f<,μ,½□ê□‡□AfR□[f<fofbfN,³,é,é,ì,í□Af}f<f`fŠf“fN,³,è,½fff□fCfX,ì,ı,ı,ì 1
,Ä,¼,~ ,Ä,·□B,±,è,í□Aft□[fU□[fAfJfEf“fg,É’í,μ,Ä<L%~ ,³,è,é”Ö□t,² 1 ,Ä,¼,~ ,ì,½,ß,Ä,·□B,±,ì,½,ß□A1
,Ä,İfff□fCfX,μ,©□Ú’±,Ä,«,ı□A,Ü,©,ì,·,ı,Ä,İfff□fCfX,í□Ú’±,ÉŽ,“s,·,é,ì,Ä□AfNf
%□fCfAf“fg,Íf}f<f`fŠf“fN<@“\,đŽ,·,ç,Ü,·□B

f}f<f`fŠf“fN,³,è,½“d~b’ fGf“fgfŠ,²□A”~ ,¶“d~b”Ô□t,Ä 2 ,Ä,İf`fff□f<,đŽg,ı İSDN
,ì□ê□‡,í□A□³□í,É“®□ì,μ,Ü,·□B

f}f<f` fŠf“fN,đ—LCEø,É,·,é

RAS fNf%oƒCfAf“fg,Áf}f<f` fŠf“fN,đ—LCEø,É,·,é,É,Í

- 1 f_fCf,,f<fAfbfv flfbfgf□□[fN,Á□A[f_fCf,,f<,·,é“d~b’ fGf“fgfŠ] ^ê—,©,cf_fCf,,f<□æ,lfGf“fgfŠ,đ‘l’đ,μ,Û,·□B
- 2 [,>,ì¼] ,đfNfŠfbfN,μ□A[fGf“fgfŠ,Æf,fff€,ìfvf□fpfefB,ì•Ò□W] ,đ‘l’đ,μ,Û,·□B
- 3 [Šî-{} f^fu,ì [f_fCf,,f<•û-@] f{fbfNfX,Á□A[•i□”%oň□ü] ,đ‘l’đ,μ,Û,·□B
- 4 [□□-] ,đfNfŠfbfN,μ□A□Ú’±,ÉŽg,xf,fff€,Û,½,lfAf_fvf^,đ‘l’đ,μ,Û,·□BŽŸ,É□A[OK] ,đfNfŠfbfN,μ,Û,·□B

RAS fT□[fo□[,Áf}f<f` fŠf“fN,đ—LCEø,É,·,é,É,Í

- 1 fRf“fgf□□[f< fpfj<,ì [flfbfgf□□[fN] fAfCfRf“ ,đf_fuf<fNfŠfbfN,μ,Û,·□B
- 2 [fT□[rfX] f^fu,Á□A[flfbfgf□□[fN fT□[rfX] f{fbfNfX,ì [fŠf,□[fg fAfNfZfX fT□[rfX] ,đ‘l’đ,μ□A[fvf□fpfefB] ,đfNfŠfbfN,μ,Û,·□B
- 3 [fŠf,□[fg fAfNfZfX fZfbfgfAfbfv] f_fCfAf□fO f{fbfNfX,ì [flfbfgf□□[fN] ,đfNfŠfbfN,μ,Û,·□B
- 4 [flfbfgf□□[fN,ì□□-] f_fCfAf□fO f{fbfNfX,Á□A[f}f<f` fŠf“fN,đŽg,xf] f`fFfbfN f{fbfNfX,đfif“ ,É,μ□A[OK] ,đfNfŠfbfN,μ,Û,·□B

Ú±, ŠŽ, Aóμ, ðñ, , é

fRf“fgf[]f< fpf|f<, É, ,éf_fCfAf<fAfbfv flfbfgf[]fN f, fjjf^, Í[]AÚ±, ÉŠÖ, , ,é[]AZÿ, ì“à—e, ð•\Žì, μ, Û, ·[]B

- Ú±‘—“x
- Ú±ŽŽŠÖ
- RAS fT[]fo[], ÉÚ±, μ, Ä, ç, éft[]fU[], ì-¼‘O
- Ú±, ÉŽg, í, è, Ä, ç, éfvf[]fgfRf<
- Ú±, ÉŽg, í, è, Ä, ç, éfff[]CfX

, Û, ½[]Af_fCf,, f< fAfbfv flfbfgf[]fN f, fjjf^, ðŽg, x, Æ[]AfAfNfefBfu, ÈÚ±, ð[]Ø‘f, , ,é, ±

, Æ, à, Ä, «, Û, ·[]Bf}f<f`fŠf“fNÚ±, ð[]s, Ä, Ä, ç

, é[]é[]±, Í[]A“Á‘è, ìfff[]CfX, ð[]Ø‘f, μ[]A, »,, ìfff[]CfX, ð, Û, ©, ì[]CEÄ, Ñ[]o, μ, ÉŽg, x, ±, Æ, a, Ä, «, Û, ·[]B

Šù‘è, ì[]Ý‘è, Ä, Í[]Af_fCf,, f<fAfeFg, , ,é, Æ[]Af_fCf,, f<fAfbfv flfbfgf[]fN f, fjjf^, af^fXfNfo[], É•\

Žì, ³, è, Û, ·[]BfEfBf“fhfE, Æ, μ, Ä•\Žì, ³, è, é, æ, x, É•\Žì[]CE`Ž®, ð•\[]X, , ,é, É, Í[]A[[]Ý‘è] f^fu, ðŽg, ç

, Û, ·[]Bf_fCf,, f<fAfbfv flfbfgf[]fN f, fjjf^, É, Í[]Af_fCf,, f<fAfbfv%ñü, ìgf%ftfBfbfN, ðŽì, , f%[]CfG, a•\

Žì, ³, è, Û, ·[]Bff[]f^, ì‘—[]M‘t, Û, ½, ìŽó[]M‘t, Í[]Af%[]CfG, a[]Ä, “_“”, μ[]AfGf%[][], a“[]¶, , ,é, Æ[]Af%[]CfG, a[]Ö, -

“_“”, μ, Û, ·[]B

f_fCf,, f<fAfbfv flfbfgf[]fN f, fjjf^, ðfEfBf“fhfE, Æ, μ, Ä•\Žì, , ,é[]é[]±, Í[]A•;[]”, ìfff[]CfX, ìf%[]CfG, ð•\Ä, x, Ä•\

Žì, Ä, «, Û, ·[]B, »,, ì, æ, x, É[]\[]-, , ,é, É, Í[]A[[]Ý‘è] f^fu, ì [f%[]CfG] , ðfNfŠfbfN, μ, Û, ·[]B

Še[]€-Û, ìfwf<fv, ð•\Žì, , ,é, É, Í[]Af_fCfAf[]fO f{fbfNfX, ì%[]E[]ä, ì ? , ðfNfŠfbfN, μ[]A-Û“ì, ì[]€-Û, ðfNfŠfbfN, μ, Ä, -

, ¾, ³, ç[]B

X.25 ,iŠT—v

X.25 jlfbfjgff[]fN,Á,ÍAfpfPfbfgCEđŠ·fvf[]fgfRf<,đŽg,Á,Äff[]f^,đ“‘—,μ,Ü,·B,±
,lfvf[]fgfRf<,ÍAfpfPfbfg“]’—fm[]fh,Á[]\—,³,è,Ä,ç,é[]çŠE<K-Í,Í,[]I,Èjlfbfjgff[]fN,ÄŽg—
p,Ä,«,Ü,·BŠefm[]fh,ÍAŽw’è,³,è,½fAfhfCEfX,É X.25 fpfPfbfg,đ”z[]M,μ,Ü,·B

ŠÖ~A[]ε-Ú

X.25 ,đfCf“fXfg[]f<,·,é

X.25 ,lfpf%of[]f^,đ[]Ý’è,·,é

X.25 ,ÉŠÖ,·,éfgf%ofuf<fvf...[]fBf“fo

X.25 ,đfCf“fXfg□[f< ,.é

1 X.25 PAD ,Ü,½,í X.25 fXf}□[fg fj□[fh,đfRf“fsf...□[f^,ÉfCf“fXfg□[f<,μ□AfRf“fsf...
□[f^,đ<N“@,μ,Ü,·□Bfj□[fh,lfCf“fXfg□[f<•û-@,É,Â,č,Ä,í□AX.25 fj□[fh,ì□»‘čĚ³,²‘ň<Ÿ,·,éf}ffj...
fAf<,đŽQ□Æ,μ,Ä,,¾,³,č□B

2 fŠf,□[fg fAfNfZfX fT□[frfX,đ X.25 —p,É□Ä□\□¬,μ,Ü,·□B□uf_fCf,,f<fAfbfv flfbfgf□□[fN,đ□Ä□\
□¬,·,é□v,đŽQ□Æ,μ,Ä,,¾,³,č□B

ŠÖ~A□€-Ú

X.25 ,lfpf%of□□[f^,đ□Ÿ‘è,·,é

X.25 ,ÉŠÖ,·,éfgf%ofuf<fVf...□[fefBf“fO

X.25 ,lfpf%of[f^,ðŸ'è,.,é

1 f_fCf,,f:fAfbfv flfbfgf[fN,ÅA“d~b’ fGf“fgfŠ,ð‘l’ð,μAŽŸ,É [.,»,'¼] ,ðNfŠfbfN,μ,Ä [fGf“fgfŠ,Æf,fff€ ,lfvf[fpfefB,ì•Ò[W] ,ðNfŠfbfN,μ,Ü,·B

2. [X.25] f^fu,ÅAX.25 flfbfgf[fN fvfofCf_,ð‘l’ð,μAfŠf,[fg fT[fo[,ì X.25 fAfhfCfX,ð“ü—í,μ,Ü,·B

3. •K—v,É%ž,¶,ÄA[f+U[ff[f^] f{fbfNfX,“ ,æ,Ň [<@“\] f{fbfNfX,É“K∅,Èî•ň,ð“ü—í,μ,Ü,·B

ŠÖ~A€—Ú

X.25 ,lŠT—v

X.25 ,ÉŠÖ.:.éfgf%ofuf<fVf...[fefB“fO

ISDN ,išT—v

“□□#T□□[frfX fffWf^f< flfbfgf□□[fn (ISDN) ,đŽg,κ,Æ□A“d~b
%oň□ü,Æ”ä,x,Ä’É□M’—“x,ā,«,í,β,Ä□,‘—,É,È,è,Ü,·□B’É□í,ì“d~b%oň□ü,Ä,í□A^ê”É“l,È’É□M’—“x,í-^•b 9600
frfbfg (bps) ,Ä,·,ª□AISDN %oň□ü,ì’É□M’—“x,í□A64Kbps ,Ü,½,í 128Kbps ,Ä,·□BŽA-±,Ä,±,ì,æ,κ
,É□,‘—’É□M,ª•K—v,Æ,È,é—á,Æ,μ,Ä,í□A’½,,ì□Y’íŽĐ^ö,đ•ø,ì,Ä,ç,éŠé<Æ,â□A’â—È,ì’É□M,đ”ª,κŠÇ—
□□ì<Æ,đfŠf,□[fg,©,ç□s,κ•K—v,ª, ,é□ê□† (,½,Æ,ì,í□A—£,ê,½□ê□Š,É□Y’u,³,ê,Ä,ç,é□□□[NfXfe□[Vf†f“,Éf
ftfgfEfFfA,đfCf“fXfg□[f<,·,é□ê□†,È.Ç) ,ª□l,ì,ç,ê,Ü,·□B

ŠÖ~A□€-Ú

ISDN f□□[fh,đfCf“fXfg□[f<,·,é

ISDN ,ì<@“\,đ□Y’è,·,é

ISDN ,ÉŠÖ,·,éfgf%ouf<fVf...□[fefBf“fO

ISDN f|f|fh,đfCf“fXfg|f<,·,é

1 ISDN (“|f|T|f|fX fffWf^f< flfbfgf|fN) f|f|fh,đfRf“fsf...|f^,ÉfCf“fXfg|f<,μ|AfRf“fsf...
|f^,đ<N“@,μ,Ü,·|B

• i|” ,ì ISDN f|f|fh,đfCf“fXfg|f<,·,éê|‡,Í|AISDN fhf%ofCfo,đfCf“fXfg|f<,μ,½Āă,ĀfRf“fsf...
|f^,đ<N“@,μ,È,̄,ê,Î,È,è,Û,¹,ñ|B|Ā<N“@,μ,È,ç,Æ|AfŠf,|fg fAfNfZfX,đ ISDN —p,É|
|—,·,é,Æ,«,É|A,·,x,Ā,ì—~—p%oĀ“,È ISDN f|f|fg,^a•\Ž|,³,ê,È,çê|‡,^a, ,è,Û,·|B

Šù,É RAS ,Æ ISDN ,^a|—,³,ê,½fRf“fsf...|f^,Ā|ARAS ,đ|í|œ,μ|A|ĀfCf“fXfg|f<,·,éê|‡,Í|ARAS
,ìfzfbfgfAfbfv,Ā ISDN f|f|fg,đ'Ç%oĀ,Ā,«,Û,¹,ñ|B|æ,É ISDN fhf%ofCfo,đ|Ā|—,μ,Ā,©,ç|ARAS
,đ|ĀfCf“fXfg|f<,μ|AISDN f|f|fg,đŽg,π,æ,π,É|Ā|—,μ,È,̄,ê,Î,È,è,Û,¹,ñ|B

'| ĀĀ,çf^fCfv,ì DigiBoard f|f|fh,Í|A^ê•”,ìfRf“fsf...|f^,Ā,Í“@|ì,μ,Û,¹,ñ|B|Ā|V,ì PCIMAC-ISA
DigiBoard f|f|fh (fvfŠfAf<“Ō|‡,^a A14308 ^È|~ ,ì,à,ì) ,^a,È,çê|‡,Í|ADigiBoard ,É~A—
|,μ,ĀĀđŠ·,μ,Ā,à,ç,Ā,Ā,,³/₄,³,ç|B

2 fŠf,|fg fAfNfZfX fT|f|fX,đ ISDN —p,É|Ā|—,μ,Û,·|B|uf_fCf,·f<Afbfv flfbfgf|fN,đ|Ā|
|—,·,é|v,đŽQ|Æ,μ,Ā,,³/₄,³,ç|B

ŠÖ~A|€-Ú

ISDN ,ì<@“\,đ|Ý'è,·,é

ISDN ,i<@\,đŸ'è,·,é

ISDN ,lfpf%of[]f^,đ\[]-,·,é,É,Í

1 f_fCf,,f<fAfbfv flfbfgf[]fN,Å[]A“d~b’ fGf“fgfŠ,đ'í'đ,μ[]AZŸ,É [,»,'¼] ,đfNfŠfbfN,μ,Ü,·[]B

2 [fGf“fgfŠ,Æf,fff€,ìfvf[]fpfefB,ì•Ò[]W] ,Ü,½,í [fGf“fgfŠ,Æf,fff€,ìfvf[]fpfefB,ì•;[]»] ,đfNfŠfbfN,μ,Ü,·[]B

3 [Šî-{}] f^fu,ì [f_fCf,,f<•û-@] f{fbfNfX,Å[]AfffofCfX,đ'í'đ,μ[]AZŸ,É [[]-] ,đfNfŠfbfN,μ,Ü,·[]B

4 [ISDN ,ì[]-] f_fCfAf[]fO f{fbfNfX,Å[]A%ñü,ìŽí—p,Æ,Ü,©,ìfn[]fhfEfFfA,ì<@\,đŸ'è,μ,Ü,·[]B

► ISDN fAf_fvf^,đ[]-[]A,Ü,½,í[]V,μ,ç ISDN fAf_fvf^,đCf“fXfg[]f<,·,é,É,í[]AfRf“fgf[]f< fpflf<,ì [flfbfgf[]fN] fAfCfRf“,đf_fuf<fNfŠfbfN,μ,Ü,·[]B[fAf_fvf^] f^fu,Å[]AfAf_fvf^,đ'í'đ,μ[]AZŸ,É [‘Ç%oÁ] ,Ü,½,í [fvf[]fpfefB] ,đfNfŠfbfN,μ,Ü,·[]BŠeflfvfVf+f“,ì[]Ú[]x,É,Á,ç,Á,í[]Af_fCfAf[]fO f{fbfNfX,ì•Ž'í',É [fwf<fv] ,đfNfŠfbfN,·,é,©[]A,Ü,½,í F1 fL[][,đ%oŸ,μ,Ä,,¾,¾,ç[]B

ŠÖ~A[]€-Ú

fGf“fgfŠ,ì'Ç%oÁ[]A•Ò[]W[]A•;[]»,đ[]s,ğ

ISDN ,ìŠT—v

PPTP ,İŞT—v

'É□□ARAS fT□[fo□[. ,Í□APSTN□AISDN□A,Ü,½,Í X.25 flfbfgf□□[fN,É□Ú'±,³,ê,Ä,ç,Ü,·□BfŞf,□[fg fT□[fU□[. ,Í□A,±,ê,ç,İflfbfgf□□[fN,ð%oî,µ,ÄfT□[fo□[. ,ÉfAfNfZfX,Ä,«,Ü,·□B,³,ç,É□ARAS ,Ä,Í□A□V,µ,çfefNfmf□□fW,Ä, ,é PPTP (Point-to-Point Tunneling Protocol□F flfCf"fg fc□[flfCf"fg fgflfŞf"fo fvf□fgfRfç) ,ðŽg,κ,±,Æ,É,æ,è□AfCf" f^□[flfbfg,ð%oî,µ,ÄfT□[fo□[. ,ÉfAfNfZfX,·,é,±,Æ,à,Ä,«,Ü,·□B

PPTP ,Í□Af}fçf` fvf□fgfRfç,Ì VPN (Virtual Private Network□F %o¼'zvf%ofCfx□[fg flfbfgf□□[fN) ,ðfTf] □[fg,·,é□V,µ,çflfbfgf□□[fN fvf□fgfRfç,Ä,·□BfŞf,□[fg fT□[fU□[. ,Í□AISP (Internet Service Provider□F fCf" f^□[flfbfg fT□[fRfX fvf□ofCf_) ,Éf_fCf,,fçCf" ,·,é,©□A,Ü,½,İfCf" f^□[flfbfg,É'¼□Ú□Ú'±,·,é,± ,Æ,É,æ,è□AfCf" f^□[flfbfg,ð%oî,µ,ÄŠéçÆ"àflfbfgf□□[fN,É^A'S,ÉfAfNfZfX,Ä,«,Ü,·□BPPTP ,É,Í□AZÿ,ì,æ,κ,È —~"_,a, ,è,Ü,·□B

"`'—,É—v,·,é"i—p,ì□íCE. PPTP ,Ä,Í□A'·ç—É'É~b,Ü,½,İftfŞ□[f_fCf,,fç fT□[fRfX,ì'ä,í,è,É□A□Ú'±□æ,Æ,µ,ÄfCf" f^□[flfbfg,ðŽg,ç,Ü,·□B,» ,ì,½,ß□A" `—,É—v,·,é"i— p,ð'ä•□,É□íCE ,Ä,«,Ü,·□B

fñ□[fhfEjfFA,É—v,·,é"i—p,ì□íCE. PPTP ,Ä,Í□Af,fff€ ,Æ ISDN fj□[fh,ð RAS fT□[fo□[. ,ç,çª—É ,µ□Af,fff€ fvf□[fç,Ü,½,Í'É□MfT□[fo□[. ,É□Y'u,Ä,«,Ü,·□B,» ,ì,½,ß□AŞç—□ŽÖ,ª□w"ü,µ□AŞç— □,·,éfn□[fhfEjfFA,ª□,É,,É,è,Ü,·□B

Şç—□□ä,ì•%o'S,ìCEyCE. PPTP ,ðŽg,κ,Æ□AŞç—□ŽÖ,Í□AfŞf,□[fg fAfNfZfX flfbfgf□□[fN,ð RAS fT□[fo□[. ,Ä□W'+ "I,ÉŞç—□,µ□A•ÚCEì,Ä,«,Ü,·□BŞç—□ŽÖ,Í□AfT□[fU□[fAf]fEj"fg,¾, ,ðŞç—□,·,é,ì,æ,- □A•; ŽG,Éfn□[fhfEjfFA□□→,ðfTf]□[fg,·,é•K—v,Í, ,è,Ü,¹,ñ□B

fZfLf...fŞfefB,ìCEü□ä □äçL,ì—~"_,É%oÁ,İ,ÄfCf" f^□[flfbfg,ð%oî,µ,½ PPTP □Ú'±,Ä,Í□A^Ä□t %o» ,É,æ,Ä,ÄfZfLf...fŞfefB,ª•ÚCEì,³,è,Ü,·□B,Ü,½□APPTP ,Í□A, ,ç,ä,évf□fgfRfç (TCP/IP□AIPX□ANetBEUI ,É,ç) ,Ä" ©□i,µ,Ü,·□B

ŞÖ~A□€—Ü

PPTP ,İ"K—p

PPTP ,ì“K—p

PPTP ,íAIP flfbfgf[]fN,ð%ôî,μ,Ä PPP fpfPfbfg,ðf<[]fefBf“fO,·,é•û-@,ð'ñ<ÿ,μ,Ü,·BPPPTP ,Ä,íA}f`fvf[]fgfRf<,lfjfvfZf<%»É,æ,Á,ÄA, ,ç,ä,éŽí—b,lfpfPfbfg,ðflfbfgf[]fN,ð%ôî,μ,Ä'— []M,Ä,«,Ü,·B,½,Æ,í,íAfcf“f^[]flfbfg,ð%ôî,μ,Ä IPX fpfPfbfg,ð'—[]M,Ä,«,Ü,·B

PPTP ,Ä,íAŠù'¶,ìŠé<Æ“àflfbfgf[]fN,ð PSTN[]AISDN[]A,Ü,½,í X.25 flfbfgf[]fN,Æ,μ,Ä^μ,ç,Ü,·B,±,ì,æ,κ ,È%¼'z WAN ,íAfcf“f^[]flfbfg,È,Ç,ìEö<κ,ìÊ[]MŽ-<ÆŽÒ,É,æ,Á,ÄTfj[]fg,³,è,Ü,·B

,Ü,©,ì WAN fv[]fgfRf<,Æ PPTP ,ð”äŠr,μ,Ä,ÿ,Ü,μ,ä,κBPSTN[]AISDN[]A,Ü,½,í X.25 ,ðŽg,κê[]Afsf,[]fg fAfNfZfX fNf%ofCfAf“fg,íACEðŠ-Ô,ð%ôî,μ,Ä RAS fT[]fo[][,Æ PPP []Ú'±,ðŠm—š,μ,Ü,·B[]Ú'±,ªŠm— š,³,è,é,Æ[]APPP fpfPfbfg,íACEðŠ-Ô,ð%ôî,μ,Ä RAS fT[]fo[][,É'—[]M,³,è[]A'—[]M[]æ,ì LAN ,Éf<[]fefBf“fO,³,è,Ü,·B

,±,è,É'í,μ,ÄACEðŠ-Ô,ì'ä,í,è,É PPTP ,ðŽg,ç[]AWAN ,ð%ôî,μ,ÄfpfPfbfg,ð'—[]M,·,é[]ê[]±,íATCP/IP ,È,Ç,lfgf %of“fXf[]fg fv[]fgfRf<,ðŽg,ç[]A%¼'z WAN ,ð%ôî,μ,Ä PPP fpfPfbfg,ð RAS fT[]fo[][,É'—[]M,μ,Ü,·B

ft[]fU[][,ÆŠé<Æ,íA'·<—£,lf_fCf,,f<fAfbfv[]Ú'±,ì'ä,í,è,Éfcf“f^[]flfbfg,ðŽg,κ,±,Æ,É,æ,è[]A“`—,É— v,·,é”i—p,ð[]ß-ñ,Ä,«,Ü,·B

Žÿ,É[]APPTP ,ìŽg,ç•û,É,Ä,ç,Ä[]à-¾,μ,Ü,·BPPPTP ,ðŽg,κ,É,íAŠO•” ,lf_fCf,,f<fAfbfv flfbfgf[]fN,ð—~ — p,·,é•û-@[]Afcf“f^[]flfbfg,ð%ôî,μ,ÄfNf%ofCfAf“fg,É'¼[]Ú'±,·,é•û-@[]A,“,æ,Ñ ISP ,ð%ôî,μ,ÄfNf %ofCfAf“fg,É[]Ú'±,·,é•û-@,ª, ,è,Ü,·B

ŠÖ~A[]€-Ú

ŠO•” ,lf_fCf,,f<fAfbfv flfbfgf[]fN,Æ PPTP

fCf“f^[]flfbfg,ð%ôî,μ,½Šé<Æ“àflfbfgf[]fN,Ö,ì^À'S,ÈfAfNfZfX (%¼'zfvf%ofCfx[]fg flfbfgf[]fN)

ŠO” ,lf_fCf,,f-fAfbfv flfbfgf[]fN,Æ PPTP

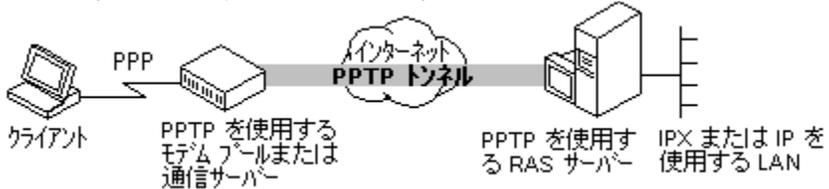
f_fCf,,f-fAfbfv,É•K—v,É'ÉM—pfn[]fhfEjFfA,íA•žG,ÅA“KØ,É“[]ž,è,Ä,ç,È,çê[]ž,è,è,Ü,·B,Ü,½A' åK-Í,ÉŠéÆ,Å Windows NT RAS fT[]fo[][,žg,æ,É,íAf,fff[]AfVšfAf·fRf“fgf[]f %A,“,æ,Ń'½”,)lfP[]fuf<,æ•K—v,Å,·B,ž,ç,ÉAV.34 ,Æ ISDN ,lf_fCf,,f-fAfbfv%ňü,ðCE—|“I,É— p,·,é,½,ß,ì“^è“I,É•ù-@,đ'ň<Ÿ,·,é,fšf...[]fVfž“,í'½,, ,è,Ü,¹,ňB

'½,,)ŠéÆ,Å,íAfobfNf{[]f“ flfbfgf[]fN,Ö,lf_fCf,,f-fAfbfv fAfNfZfX,đŠO”<Æž,É'íđ,·,éCEXü,è,è,è,Ü,·B,»,)è[]žA“i—pCE—|,æ,[]A-â'è,É'í^ ,·,é•K—v,è,è,ç,æ ,,)É[]AfVf[]fgfRf<,É[]SCEÀ,è,È,[]A^À'S[]«,đŠm•Ü,Å,« ,é,Æ,ç,æ“_[]d—v,Å,·B,Ü,½AŠù'¶,lffbfgf[]fN fAfhfCEfX,ížw'è•ù-@,đ•íX,·,é•K—v,è,è,ç,Æ,ç,æ“_[]d—v,Å,·BfT[]fRfX fVf[]fofCf_,íA,±,ì,æ,æ ,ÉŠéÆ,lfj[]fY,ð[]APPTP ,É,æ,é%¼'z WAN ,Å-ž,½,·,±,Æ,è,Å,« ,Ü,·B

PPTP ,Å,íARAS fT[]fo[][,©,çf,fff[]fv[]f<,đ•è—f,·,é,±,Æ,É,æ,èAŠO” ,lf_fCf,,f-fAfbfv fT[]fRfX,đ— p,µ,½,èAŠéÆ“à,lfn[]fhfEjFfA,©,ç•—[]“I,É—f,è,½[]è[]Š,É RAS fT[]fo[][,đŸ'u,µ,½,è,·,é,± ,Æ,è,Å,« ,Ü,·B,½,Æ,è,í,íAf,fff[]Æ“d~b%ňü,đ“d~b%ĩžĐ,èŠÇ—|,·,é,æ,æ,É,µ,Å[]ARAS fT[]fo[][,Å,lf+[]fU[][fAfjEjFf“fg,đW'+“I,ÉŠÇ—|,µ,Ü,·BfGf“fh ft[]fU[][,íA[]Åšň,è,ì“d~b %ĩžĐ,ðCEÀ,Ń[]o,µ[]AWAN fšf“fN,đ%î,µ,Å Windows NT RAS fT[]fo[][,É[]Ú'± ,µ[]AŠéÆ“àflfbfgf[]fN,ÉfAfNfZfX,µ,Ü,·B

,±,ì•ù-@,É,æ,é,fšf...[]fVfž“,Å,íAŠù,ÉžA[]Ń,ì ,é PPP ,)“FØA^Å[]+%»[]A,“,æ,Ń^žk,lfefNfmf[]fW,đŠ— p,µ,Ü,·B

žŸ,Éž!,·[]},í[]APPTP ,)žg—p—á,đž!,µ,Å,ç,Ü,·B,±,ìè[]ž[]ARAS fnf%ofCfAf“fg,É,í PPTP fVf[]fgfRf<,í•K— v, ,è,Ü,¹,ňBfNf%ofCfAf“fg,íAf,fff[]fv[]f<,Ü,½,í'É[]MfT[]fo[][,É PPP []Ú'± ,·,é,¾, ,Å[]í,Ÿ,Ü,·B'É[]MfT[]fo[][,Ü,½,lf,fff[]fv[]f<,Å,íARAS fT[]fo[][,Æ'ÉM,·,é,½,ß,É PPTP ,đžA'•,µ,È, ,è,í,È,ç,È,ç,±,Æ,É'[]Ó,µ,Å,,¾,¾,ç[]B



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fCf“f^[]flfbfg,đ%î,µ,½ŠéÆ“àflfbfgf[]fN,Ö,ì^À'S,ÉfAfNfZfX (%¼'zfvf%ofCfx[]fg flfbfgf[]fN)

fcf“f^[]flfbfg,δ%oi,μ,½Šé<Æ“àflfbfgf[]fN,Ö,ì^À’S,ÈfAfNfZfX (%o¼‘zfvf%ofCfx[]fg flfbfgf[]fN)

WAN fhf%ofCfo,Æ,μ,Ä PPTP ,àŸ’è,³,è,Ä,ç,é RAS fNf%ofCfAf“fg,í[]Afcf“f^[]flfbfg,δ%oi,μ,Ä Windows NT RAS fT[]fo[][,É[]Ú’±,·,é,±,Æ,É,æ,è[]AfŠf,[]fg,ì LAN []ã,ìŽ‘CE¹,ÉfAfNfZfX,Å,«,Ü,·[]B,±,ì[]è[]#[]AZŸ,ì— á,ÅŽ!,·,æ,x,É[]Afcf“f^[]flfbfg,É’¼[]Ú[]Ú’±,·,é,·ú-@,Æ[]AISP ,Éf_fCf,,f<,·,é,·ú-@,ì 2 ,Å,ì•ú-@,², ,è,Ü,·[]B []Å[]%o,ì•ú-@,Å,í[]Afcf“f^[]flfbfg,É’¼[]Ú[]Ú’±,μ,Ä,ç,é fNf%ofCfAf“fg,² RAS fT[]fo[][,ì”Ô[]t,ðf_fCf,,f<,μ,Ü,·[]BfNf%ofCfAf“fg’x,ì PPTP ,í[]Afcf“f^[]flfbfg,ð’È,è”²,·,éfgf“flf<,ð[]ì,è[]APPTP ,²—LCEø,É[]Ÿ’è,³,è,Ä,ç,é RAS fT[]fo[][,É[]Ú’±,μ,Ü,·[]BfT[]fo[][,É”F[]Ø,³,è,é,Æ[]AfNf %ofCfAf“fg,íŠé<Æ“àflfbfgf[]fN,ÉfAfNfZfX,Å,«,Ü,·[]BŽŸ,ì[]},í[]A,±,ì—ìŽq,ðŽ!,μ,Ä,ç,Ü,·[]B ’[] fCf“f^[]flfbfg,Ö,ì’¼[]Ú[]Ú’±,Æ,í[]AISP ,δ%oi,³,·,É[]A’¼[]Ú IP fCEfxf<,ÅfAfNfZfX,·,é,±,Æ,ð^Ó- ;,μ,Ü,·[]B(,½,Æ,ì,ì[]A^è•”,ìfzfef<,Å,í[]Afc[]fTflfbfg fP[]fuf<,ðŽg,Á,ÄfCf“f^[]flfbfg,É’¼[]ÚfAfNfZfX,Å,«,Ü,·[]B)



2 “Ô-Ú,ì•ú-@,Å,í[]A“”,¶[]<@”\,ðŽÀCE»,·,é,½,ß,É[]Afcf“f^[]flfbfg,É’¼[]Ú[]Ú’±,·,é,ä,í,è,É ISP ,ðCEÄ,Ñ[]o,μ,Ü,·[]BfNf%ofCfAf“fg,í[]A[]Å[]%o,É ISP ,ðCEÄ,Ñ[]o,μ,Ü,·[]BISP ,Æ,ì[]Ú’±,²Šm— š,³,è,é,Æ[]AZŸ,ÉfNf%ofCfAf“fg,í RAS fT[]fo[][,ðCEÄ,Ñ[]o,μ[]APPTP fgf“flf<,ðŠm—š,μ,Ü,·[]B



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ŠÖ•”,ìf_fCf,,f<fAfbfv flfbfgf[]fN,Æ PPTP

fZfLf...fŠfefB,ÉŠÖ,.,é'□^Ó“_

PPTP fgf“fjf<,đ%oi,μ,Ä'—□M,³,é,éff□lf^,Í□APPP fpfPfbfg,ÉfjfvfZf<%o»,³,é,Ü,·□BRAS ,Á,Í□A^Ä□+%o»,đfTf|
□lfg,μ,Ä,č,é,½,ß□Afff□lf^,Í^Ä□+%o»,³,é,Ü,·□BRAS ,Í□ARSA RC4 ,” ,æ,Ñ 40 frfbfg fZfbfVf#f“
fL□[,É,æ,éfof<fN ff□lf^Ä□+%o»,đfTf|□lfg,μ,Ä,č,Ü,·□BPPP □Ú'±,ìŽž“_ ,Á□ARAS fNf%ofCfAf“fg,Æ Windows
NT RAS fT□[fo□[,ìŠÖ,Á^Ä□+%o»•úŽ®,ìfjSfVfG□lfVf#f“,°□s,í,é,Ü,·□B

PPTP ,Á,Í□AfpfXf□□lfh“F□Øfvf□fgfRf<,Æ“ü—í—v<□nf“fhfVfFfCfN“F□Øfvf□fgfRf<,ì^Ä□+%o»fAf<fSfŠfYf€
,đŽg,č,Ü,·□B

PPTP fx□[fX,ìfšf...□lfVf#f“,Á,Í□A^Ä□+%o»,³,é,½ PPP fŠf“fN,đfCf“f^□lfifbfg□ă,ÉŠm—š,Á,«,é,¾,¯,Á,È,-
□AfCf“f^□lfifbfg,đfifbfgf□□lfN fojbfNf{□[f“,Æ,μ,Ä□AIPX ,Æ NetBEUI ,ìfšf,□lfg fAfNfZfX fgf
%oftfBfbfN,đ“]—,.,é,±,Æ,à,Á,«,Ü,·□BPPTP ,Á,Í□APPP fpfPfbfg,đfjfvfZf<%o»,μ□A^Ä□+%o»,.,é,±
,Æ,É,æ,è□ATCP/IP ,Á'—□M,Á,«,é,æ,α,É,.,é,ì,Á□AIPX fgf%oftfBfbfN,đ“]—,.,é,±
,Æ,à,Á,«,Ü,·□B,μ,½,²,³,Á,Ä□APPTP ,É,æ,é,fšf...□lfVf#f“,Á,Í□ALAN fvf□fgfRf<,đ TCP/IP ,ÉCEÀ'è,.,é•K—
v,í, ,è,Ü,¹,ñ□B

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PPTP ,đfCf“fXfg□[f<,.,é

fCf“f^□lfifbfg,É,æ,é•s□³,ÉfAfNfZfX,©,ç RAS fT□[fo□[,đ•ÚCEì,.,é

PPTP ,đfCf“fXfg□[f< ,. ,é

PPTP fgf“fjf<,đŠm—š, .,é,É,í□ARAS fT□[fo□[(, , ,æ,ŃfNf%ofCfAf“fg,Ü,½,Í'Ê□MfT□[fo□[) ,É PPTP fhf %ofCfo,đfCf“fXfg□[f<,μ,È, ,é,Í,È,è,Ü,¹,ň□B

PPTP fhf%ofCfo,đfCf“fXfg□[f< ,. ,é,É,Í

1 fRf“fgf□□[f< fpfjf<,ì [flfbfgf□□[fn] fAfCfRf“ ,đf_fuf<fNfŠfbfN,μ□AZÏ,É [fvf□fgfRf<] f^fu,đfNfŠfbfN,μ,Ü,·□B

2 ['Ç%oÁ] ,đfNfŠfbfN,μ□A[Point To Point Tunneling fvf□fgfRf< fAf_fvf^] ,đ'Í,đ,μ,Ü,·□B

”z•zftf@fCf<,ìjpfX,đ“ü—Í, .,é,æ,α,É<□,β,éf□fbfZ□[fW,ª•\Ž!,ª,è,½,ç□AfpfX,đ“ü—Í,μ□A['±□s] ,đfNfŠfbfN,μ,Ü,·□B

3 PPTP ,Å—~—p,Å,«,é,æ,α,É, .,é□Ú'± (%o¼'zfvf%ofCfx□[fg flfbfgf□□[fn]) ,ì□ ,đ“ü—Í,μ,Ü,·□B

RAS ,ìfZfbfgfAfbfv,ªŠjŽn,ª,è□APPTP fvf□fgfRf<,ª RAS ,É'Ç%oÁ,ª,è,Ü,·□BPPTP fvf□fgfRf<,đfCf“fXfg□[f<, .,éf□[fg,đ'Í,đ,μ□A[OK] ,đfNfŠfbfN,μ,Ü,·□B

4 PPTP ,ì□□¬,đ—LCEø,É, .,é,É,í□AfRf“fsf...□[f^ ,đ□Ä<N“ © ,μ,È, ,é,Í,È,è,Ü,¹,ň□B

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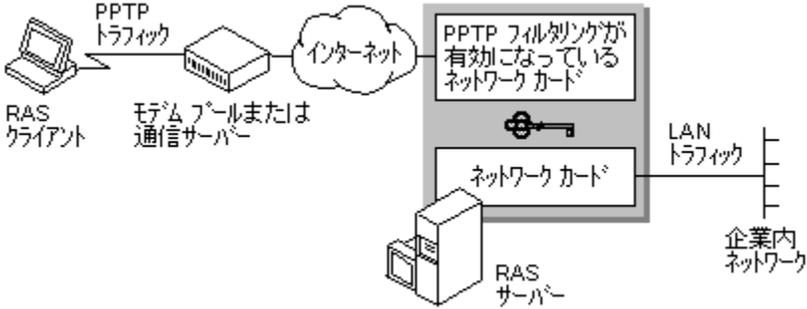
fZfLf...fŠfefB,ÉŠÖ, .,é'□^Ó“

fCf“f^□[flfbfg,É,æ,é•s³,ÈfAfNfZfX,©,ç RAS fT□[fo□[,đ•ÛCE), .,é

fcf" f^ [flfbfg, É, æ, é • s [3, ÈfAfNfZfX, ©, ç RAS fT [fo [L, ð • ÜCEì, ., é

PPTP ftfBf<f^fŠf"fo, ðŽg, x, AE [A' 'ð, μ, ½flfbfg [[fN fAf_fvf^, ð, Ü, ©, ì, ., x, Ä, lfvf [fgfRf<, Å— —p, Å, <, È, ç, æ, x, É [Y' è, μ [APPTP fpfPfbfg, μ, © 'É%oB, Å, <, È, ç, æ, x, É, ., é, ±, AE, a, Å, <, Ü, . [B

PPTP ftfBf<f^fŠf"fo, a-ð—§, Ä, ì, [Af] }f<f` fz [f€ fRf"fsf... [f^, ì [è [±, Å, . [B, ½, AE, ì, [A1 , Ä, lfvf [fgf [fN fAf_fvf^ (PPTP ftfBf<f^fŠf"fo, a—LCEø, È, È, Ä, Ä, ç, é) , ðfCf" f^ [flfbfg, É [Ü' ±, μ [A • È, lfvf [fgf [fN fAf_fvf^, ðŠé <AE" àflfbfg [[fN, É [Ü' ±, μ, Ü, . [BŠé <AE" àflfbfg [[fN, ÌŠO' x, lfvf %ofCfAf"fg, Ì [APPTP , È, æ, è [AfCf" f^ [flfbfg, ð%oì, μ, Äf} }f<f` fz [f€ fRf"fsf... [f^, É [Ü' ± , μ [AŠé <AE" àflfbfg [[fN, È ^ A' S, ÈfAfNfZfX, Å, <, Ü, . [B, ±, ì [è [± [AŠé <AE" àflfbfg [[fN, ÈfAfNfZfX, Å, <, éfgf %oftfBfbfN, Ì [ARAS "F [Ø, È, æ, Ä, Ä" F [Ø, ³, è, ½fNf %ofCfAf"fg, ©, ç — [M, ³, è, é PPTP fpfPfbfg, ¾, 7, . [B ' [RAS fNf %ofCfAf"fg, Ì [AfCf" f^ [flfbfg, È' ¼ [Ü [Ü' ±, μ, Ä, à [AfT [lrfX fvf [ofCf_ , É [Ü' ±, μ, Ä, à, ©, Ü, ç , Ü, 1, ñ [BPPTP , ðŽg, x, ½, B, È [A—¼ • ù, É [Ü' ±, ., é • K—v, Ì, , è, Ü, 1, ñ [B



PPTP ftfBf<f^fŠf"fo, ð—LCEø, È, ., é, È, Ì

- 1 fRf"fgf [[f< fpf [f<, ì [flfbfg [[fN fAfCfRf" , ðf_fuf<fNfŠfbfN, μ [AZÿ, È [fvf [fgfRf<] f^fu, ðfNfŠfbfN, μ, Ü, . [B
- 2 [TCP/IP fvf [fgfRf<] , ð' 'ð, μ [A [fvf [pfefB] , ðfNfŠfbfN, μ, Ü, . [B
- 3 [IP fAfhfCEfX] f^fu, ì [[Ü [x] , ðfNfŠfbfN, μ, Ü, . [B
- 4 [fAf_fvf^] f {fbfNfX, Å [APPTP ftfBf<f^fŠf"fo, ð—LCEø, È, ., éflfbfg [[fN fAf_fvf^, ð' 'ð, μ, Ü, . [BPPTP ftfBf<f^fŠf"fo, ì [Y' è, a"K—p, ³, è, é, ì, [A' 'ð, μ, ½flfbfg [[fN fAf_fvf^, ¾, 7, . [B
- 5 PPTP ftfBf<f^fŠf"fo, ð—LCEø, È, ., é, È, Ì [A [PPTP ftfBf<f^fŠf"fo, ð [s, x] f` ffbfN f {fbfNfX, ðflf" , È, μ, Ü, . [B fRf"fsf... [f^, ð [Ä <N" © , ., é, AE [A [Y' è, a—LCEø, È, È, è, Ü, . [B

TCP/IP , ì [[Ü [x, È, Ä, ç, Ä, Ì [ATCP/IP , ìflf" f%ofCf" fwf<fv, ì [uTCP/IP , ì [Ü [xflfvfVf#f" , ð [[Ü , ., é, È, Ì [v, ðŽQ [AE, μ, Ä, , ¾, ³, ç [B

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PPTP , ðfCf" fXfg [[f<, ., é

fZfLf...fŠfefB, ÈŠÖ, ., é' [^ Ó"

