

**f^□[f~fif<,ifwf<fv**



-Ú“I

- Ú'±,iŠjŽn
- fefLfXfg ftf@fCf<,i"l'-
- fofCfjfŠ ftf@fCf<,i"l'-
- f^□[f~fif< fEfBf“fhfE,ifefLfXfg,i'€□]
- í•ñ,i^ó□ü
- flfvfVf#f“<@”\
- Ú'±,i□l-<sup>1</sup>

**fRf}f“fh**

- f^□[f~fif<,ifRf}f“fh

## [ftf@fCf<]f□fjf...□[,ifRf}f“fh

fwf<fv, jfEfBf“fhfE, ÉfXfNf□□[f< fo□[, ^•\Z!, ^, ê, Ä, ç  
, Æ, «, íAfEfBf“fhfE, É“ü, è, «, ç, È, ç□^•ñ, ^, , è, Ü, ·□B“ü, è, «, ç, È, ç□^•ñ, ð“ç, þ, Æ, «, íAfXfNf□□[f< fo□[, ðžg, Á, Ä, -  
, ^, ^, ç□B

## [V<K]ì□¬]

Œ»ÓY, j□Y’è, ð, ., ×, Äžæ, è□Á, μ, Ä□Á□‰, j□ó’Ô, É-ß, μ, Ü, ·□B  
ÓY’è, ð•í□X, μ, ^½, Æ, «, í□A•í□X, μ, ^½ÓY’è, j•Ü’¶, à, Ä, «, Ü, ·□B

## [ŠJ, ]

ÓY’è, j“ü, Á, ^½ftf@fCf<, ðŠJ, «, Ü, ·□B, ±, jftf@fCf<, ðf^□[f~fjf< ftf@fCf<, ÆŒÄ, Ñ, Ü, ·□B  
ÓY’è, ð•í□X, μ, ^½, Æ, «, í□A•í□X, μ, ^½ÓY’è, j•Ü’¶, à, Ä, «, Ü, ·□B

## [ä□’, «•Ü’¶]

•í□X, μ, ^½ÓY’è, ðf^□[f~fjf< ftf@fCf<, É•Ü’¶, μ, Ü, ·□BŒ^, jf^□[f~fjf< ftf@fCf<, íä□’, «, ^, ê, Ü, ·□B  
[ä□’, «•Ü’¶]fRf}f“fh, ð’I, ñ, Ä, à□A, », j, Ü, Ü’±, ^, Ä□ì<Æ, Ä, «, Ü, ·□B

## [-½’O, ð•t, ^, Ä•Ü’¶]

ftf@fCf<-½, ðžw’è, μ, Ä□Y’è, ð•Ü’¶, μ, Ü, ·□B  
ŒV, μ, ^½“à—e, ðf^□[f~fjf< ftf@fCf<, É-½’O, ð•t, ^, Ä•Ü’¶, Ä, «, Ü, ·□B, Ü, ^½AŒ»ÓY, jf^□[f~fjf<  
ftf@fCf<, É□V, μ, ^½’O, ð•t, ^, Ä•Ü’¶, Ä, «, Ü, ·□B

## [fvfšf“f^, j□Y’è]

fvfšf“f^, j^óü•û-@, ð□Y’è, μ, Ü, ·□B  
^óü, Éžg, xfvfšf“f^, à’I, ×, Ü, ·□B□Y’è, Ä, «, é□€-Ú, í□A’I, ñ, ^½fvfšf“f^, É, æ, Ä^á, ç, Ü, ·□B

## [f^□[f~fjf<, j□I-¹]

f^□[f~fjf<, ð□I-¹, μ, Ü, ·□B  
□I-¹, ;, é’O, É□A•í□X, μ, ^½ÓY’è, ð•Ü’¶, Ä, «, Ü, ·□B

## [•Ò]fjjf...[,jfRf}f“fh

fjf<fv, jfEfBf“fhfE, ÉfXfNf[]f< fo[], ^•\Z!, ^, ê, Ä, ç  
, é, Æ, «, íAfEfBf“fhfE, É“ü, è, «, ç, Ë, ç[]^•ñ, ^, , è, Ü, ·B“ü, è, «, ç, Ë, ç[]^•ñ, ð“ç, þ, Æ, «, íAfXfNf[]f< fo[], ðžg, Á, Ä, -  
, ^, ^, ç[]B

## [fRfs[]]

f^[]f~jf<, jfEfBf“fhfE’t, ÅA’l’ð, µ, ^•¶žš, ðfNfŠfbfvf{[]fh, ÉfRfs[], µ, Ü, ·BfEfBf“fhfE, j“à—  
e, j•í, l, , , ÉA, », ê, Ü, Ä, jfNfŠfbfvf{[]fh, j“à—e, ð’u, «S·, l, Ü, ·B

jNfŠfbfvf{[]fh, ÉfRfs[], µ, ^•¶žš, ðfzfXfg fRf“fsf...[]f^, É’—, é, É, íA[“\, è•t, -]fRf}f“fh, ðžg, ç, Ü, ·B

## [“\, è•t, -]

jNfŠfbfvf{[]fh, j“à—e, ðfzfXfg fRf“fsf...[]f^, É’—, è, Ü, ·B

## [‘I’ð, µ, ^•í^í, j’—]M]

‘I’ð, µ, ^•¶žš, ðfzfXfg fRf“fsf...[]f^, É’—, è, Ü, ·B

## [., ×, Ä, j”í^í, ð’I’ð]

f^[]f~jf<, jfEfBf“fhfE, Æ<tfXfNf[]f<, j, ^, ß, jfofbftf@’t, l, ., ×, Ä, j•¶žš, ð’I, Ñ, Ü, ·B

## [jfofbftf@, jfNfŠfA]

<tfXfNf[]f<, j, ^, ß, jfofbftf@, j“à—e, ðfNfŠfA, µ, Ü, ·B

## [**Ý'è**]f~fjf...[],jfRf}f“fh

fwf<fv, jfEfBf“fhfE, ÉfXfNf[]f< fo[], ^•\Z|, ^, ê, Ä, ç  
, Æ, «, íAfEfBf“fhfE, É“ü, è, «, ç, È, ç[]^•ñ, ^, , è, Ü, ·B“ü, è, «, ç, È, ç[]^•ñ, ð“ç, þ, Æ, «, íAfXfNf[]f< fo[], ðžg, Á, Ä, -  
, ^, ^, ^, ç[]B

## [“d~b”Ô[]t]

fzfXfg fRf“fsf...[]f^, É[]Ú’±, ·, é, ½, ß, j[]A“d~b”Ô[]t[]A[]Ú’±, Ü, Ä, j’Ò, jZžSÖ[]AfSf\_fCf, , È, Ç, ð[]Ý’è, µ, Ü, ·B

## [‘[--fGf~f...fCE[]fVftf”]

jGf~f...fCE[]fg, ·, e’[--, j<@ží, ð[]Ý’è, µ, Ü, ·B

’[--, j<@ží, í[f\_f€’[--][]A[VT-100CEÝS·][]A[VT-52CEÝS·], jSeflfvfVftf“ f{f^f“, ©, ç’l, Ñ, Ü, ·B

## [‘[--, j[]Ý’è]

f^[]f~fjf<, jSeží[]Ý’è, ðCE^, ß, Ü, ·B

•¶žš, j•ž|•û-@[]Afj[]fjf<, jCE`[]A<tfXfNf[]f<, j, ½, ß, jfofbftf@, j[]s”[]A•¶žšfR[]fh, j•iš•û-@[]A•œ<A(CR), j  
‰øžß•û-@, È, Ç, ð[]Ý’è, Ä, «, Ü, ·B

## [ftf@f“fNfVftf” fL[]]

ftf@f“fNfVftf” fL[], É•¶žš—ñ, Æ[]§CEäfR[]fh, ðš,,, è“-, Ä, Ü, ·B

## [fefLfxfg ftf@fCf<, j“]’—•û-@]

ftf[][][]Až©“®“l, É‰oü[]s, ð“ü, ê, é•¶žš”[]A•¶žš, j’—  
[]M’P^È, ð1•¶žš, È, ·, é, ©1[]s, È, ·, é, ©, È, Ç[]AfefLfxfg ftf@fCf<, j“]’—•û-@, ð[]Ý’è, µ, Ü, ·B

## [fofCfifS ftf@fCf<, j“]’—•û-@]

fofCfifS ftf@fCf<, j“]’—•û-@, jfvf[]fgfRf, É XModem/CRC, ðžg, x, ©, ð[]Ý’è, µ, Ü, ·B

## [‘È[]M[]ðCE[]]

’È[]M’¬“x[]Aff[]f^·[]AfXfgfbfv  
frfbfg[]AfpfSfeFB[]Aftf[][]§CEä[]AfLfffSfA, jCEÝ[]o, È, Ç, j’È[]M[]ðCE[], ð[]Ý’è, µ, Ü, ·B

## [f,fff€,jfRf}f“fh]

žg, Á, Ä, ç, éf, fff€, jží—þ, Æ, », jfRf}f“fh, ð[]Ý’è, µ, Ü, ·B

## [‘È[]M“à—e, ðfvfSf“f^, É[]o—í]

žó[]M, µ, ½•¶žš, ÆfL[]“ü—í, ð^ó[]ü, ·, é, ©, Ç, x, ©, ð[]Ý’è, µ, Ü, ·B

## [‘È[]MžžSÖ, jCEv’^]

f^[]f~fjf<, j’È[]MžžSÖ, ðCEv, é, ©[]AŒ»[]Ý, jžž[], ð•ž|, ·, é, ©, ð[]Ø, è’Ö, l, Ü, ·B

## [ftf@f“fNfVftf” fL[], ð•ž|], Ü, ½, í[ftf@f“fNfVftf” fL[], ð‰oB, ·]

ftf@f“fNfVftf” fL[], Æf^fCf}[][], àžž[], ð[]Af^[]f~fjf<, jfEfBf“fhfE, j^ê”Ô‰o, É•ž|, ·, é, ©, Ç, x  
, ©, ðžw’è, µ, Ü, ·B



[“d~b]f□fjf...□[,ifRf}f“fh

[f\_fCf,,f<]

fzfXfg fRf“fsf...□[f^,É“d~b,ð,©,~,Ä□Ú‘±,μ,Ü,·□B

[%oñ□ü,í□Ø’f]

fzfXfg fRf“fsf...□[f^,Æ,í□Ú‘±,ð□Ø,è,Ü,·□B

## [“]’—]f<sub>0</sub>fjf...□[,i<sub>0</sub>Rf}f“fh

fwf<fv, jfEfBf“fhfE, ÉfXfNf□□[f< fo□[, <sup>a</sup>•\Z!, <sup>b</sup>, ê, Ä, ç  
, Æ, «, i<sub>0</sub>AfEfBf“fhfE, É“ü, è, «, ç, È, ç□î•ñ, <sup>a</sup>, , è, Ü, ·□B“ü, è, «, ç, È, ç□î•ñ, ð“Ç, þ, Æ, «, i<sub>0</sub>AfXfNf□□[f< fo□[, ðŽg, Á, Ä, -  
, <sup>b</sup>/<sub>4</sub>, <sup>b</sup>, ç□B

## [fefLjXfg ftf@fCf<,i’—□M]

fefLjXfg ftf@fCf<, ðfzfXfg fRf“fsf...□[f^, É’—, è, Ü, ·□B  
ftf@fCf<-<sup>1</sup>/<sub>4</sub>, ì, Ù, ©, É□A•œ<A(CR), ì, , Æ, i%oü□s(LF), ðŽæ, è□œ,, ©, Ç, x, ©, ðŽw’è, Ä, «, Ü, ·□B, Ü, <sup>1</sup>/<sub>2</sub>A•œ<A(CR)  
, ì, , Æ, É%oü□s(LF), ð’Ç%oÁ, ·, é, ©, Ç, x, ©, ðŽw’è, Ä, «, Ü, ·□B

## [fefLjXfg ftf@fCf<,ižó□M]

fefLjXfg ftf@fCf<, ðfzfXfg fRf“fsf...□[f^, ©, çŽó□M, µ, Ü, ·□B  
ftf@fCf<-<sup>1</sup>/<sub>4</sub>, ì, Ù, ©, É□Ažó□M, µ, <sup>1</sup>/<sub>2</sub>fefLjXfg, ðCE»‘¶, jftf@fCf<, É’Ç%oÁ, ·, é, ©, Ç, x  
, ©, ðŽw’è, Ä, «, Ü, ·□B, Ü, <sup>1</sup>/<sub>2</sub>A^ê•”, i<sub>0</sub>§CEäfR□[fh, ð•Û’¶; , é, ©, Ç, x, ©, È, Ç, ðŽw’è, Ä, «, Ü, ·□B

## [fefLjXfg ftf@fCf<,i’•\Z!]

fefLjXfg ftf@fCf<, ðfzfXfg fRf“fsf...□[f^, ñfEfBf“fhfE, É•\Z!, µ, Ü, ·□B  
ftf@fCf<-<sup>1</sup>/<sub>4</sub>, ì, Ù, ©, É□A•œ<A(CR), ì, , Æ, i%oü□s(LF), ðŽæ, è□œ,, ©, Ç, x, ©, ðŽw’è, Ä, «, Ü, ·□B, Ü, <sup>1</sup>/<sub>2</sub>A•œ<A(CR)  
, ì, , Æ, É%oü□s(LF), ð’Ç%oÁ, ·, é, ©, Ç, x, ©, ðŽw’è, Ä, «, Ü, ·□B

## [fofCfifŠ ftf@fCf<,i’—□M]

fofCfifŠ ftf@fCf<, ðfzfXfg fRf“fsf...□[f^, É’—, è, Ü, ·□B  
f^□[f~fif<, i<sub>0</sub>A[<sub>0</sub>Ý’è]f□ff...□[, i<sub>0</sub>[fofCfifŠ ftf@fCf<, i”]’—•û-@]fRf}f“fh, Ä□Ý’è, µ, <sup>1</sup>/<sub>2</sub>fvf□fgfRf<, É□], Á, ÄfofCfifŠ  
ftf@fCf<, ð’—, è, Ü, ·□B

## [fofCfifŠ ftf@fCf<,ižó□M]

fofCfifŠ ftf@fCf<, ðfzfXfg fRf“fsf...□[f^, ©, çŽó□M, µ, Ü, ·□B  
f^□[f~fif<, i<sub>0</sub>A[<sub>0</sub>Ý’è]f□ff...□[, i<sub>0</sub>[fofCfifŠ ftf@fCf<, i”]’—•û-@]fRf}f“fh, Ä□Ý’è, µ, <sup>1</sup>/<sub>2</sub>fvf□fgfRf<, É□], Á, ÄfofCfifŠ  
ftf@fCf<, ðŽó□M, µ, Ü, ·□B

## [’êžž’âž~]

fefLjXfg ftf@fCf<, i”]’—, ð’êžž’âž~, µ, Ü, ·□B

## [□ÄŠJ]

fefLjXfg ftf@fCf<, i”]’—, ð□ÄŠJ, µ, Ü, ·□B

## [’tž~]

fefLjXfg ftf@fCf<, âfofCfifŠ ftf@fCf<, i”]’—, ð’tž~, µ, Ü, ·□B

“d~b”Ôøt,ðøY’è,·,é

f^[]f~fif<,²,®,-,é“d~b”Ôøt,ðøY’è,·,é,É,I

1. [ØY’è]føfjf...ø[,ì[“d~b”Ôøt]fRf}f“fh,ð’I,Ñ,Ü,·øB

2. [“d~b”Ôøt]fefLfxfg f{fbfNfX,É“d~b”Ôøt,ð“ü—í,μ,Ü,·øB

,®,Á,±,ÆfnfCftf”,ð“ü—í,Å,«,Ü,·,²øA“ü—í,μ,È,,Ä,à,®,Ü,¢,Ü,¹,ñøB

3. •K—v,Èø€-Ú,ðøY’è,μøA[OK]f{f~f“,ðfNfŠfbfN,μ,Ü,·øB

Ø-U \_\_\_\_\_ Ø-i \_\_\_\_\_

[ØÚ’±  
,Ü,Å,ì’Ò,¿ŽžŠØ]  
f^[]f~fif<,²fzfXfg  
fRf“fsf...  
ø[f^,®,ç,ìØÚ’±øMøt,ð’Ò,  
Å•bø”,ðøY’è,μ,Ü,·øiøÅø¬’  
Ò,¿ŽžŠØ,í 60  
•bøjøBfŠf,ø[fg f,fff€  
,²b,μ’t,ìøêø‡,âøAfTø[frfX  
,ðžø,¬,Ä,¢  
,éøêø‡,É,íøA,½,¾,¿,É  
‰øž“š,μ,È,¢,±,Æ,², ,è,Ü,·  
øB

[f^fCf€fAfEfž  
ž,ÉfŠf\_fCf,f<,·,é  
]  
“d~b,²È,¶,È,®,Á,½,Æ,«,É  
øA,»,ì“d~b”Ôøt,É,à,¤^ê”x  
,®,-,¼,μ,Ü,·øB

[ØÚ’±,μ,½,±  
,Æ,ð  
‰ø¹,Å’m,ç,¹,é]  
ø³,μ,,Ä,È,²,Á,½,Æ,«,ÉøA  
‰ø¹,ð-Ä,ç,μ,Ü,·øB

ø«—^žg—p,·,é,½,ß,É“d~b”Ôøt,ìØY’è,ð•Û’¶,·,é,Æ,«,íøAf^[]f~fif< ftf@fCf<,É•Û’¶,μ,È,¬,ê,î,È,è,Ü,¹,ñøB

ŠÖ~Aø€-Ú

f^[]f~fif< ftf@fCf<,ðŠL

f^[]f~fif< ftf@fCf<,ð•Û’¶,·,é

'[--fGf~f...fCE][fVftf“,ð]Y’è,·,é

f^[]f~fif<,ðŽg—p,·,é,î]AfRf“fsf...[]f^,ízfXfg fRf“fsf...[]f^,©,ç—v<,³,é,½'[--,ì<@Ží,ðfGf~f...  
fCE][fg,Å,«,Ü,·]B

'[--,ì<@Ží,ð]Y’è,·,é,É,í

1. [ð]Y’è]f[]ff...[][,ì'[--fGf~f...fCE][fVftf“]fRf}f“fh,ð'I,Ñ,Ü,·]B

2. '[--,ì<@Ží,ð'I,Ñ,Ü,·]B

,ç,ì'[--,ðŽg,Å,½,ç,æ,¢,©,³,æ,,í,©,ç,È,¢,Æ,«,É,í]A[VT-100ŒÝš.]f]fvfvf]f“ f{f^f“,ð'I,ñ,Å,-  
,³/4,³,¢]B[f\_f€'[--]f]fvfvf]f“ f{f^f“,ð'I,Ó,Æ]AfzfXfg fRf“fsf...[]f^,³/4§ŒäfR]f]f,ì,¤  
,¤]A•œ<A(CR)]AfobfbNfXfy]fX]Af^fu,³/4,\_,ðŽó]M,·,é,à,ì,Æ,Ý,È,μ,Ü,·]B

3. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·]B

'ð,ðSm”F,μ,½Œä]AfRf“fsf...[]f^]AfL]f{[]fh]A,“,æ,Ñ'[--,ðŽw’è'[--,Æ““—I,É“®]i,·,é,æ,¤  
,É]AfVfXfef€,³/2]®,³,é,Ü,·]B

^È‰o,Éf^[]f~fif<,ìVT-100ŒÝš·<@”\,Å]AfTf]f]fg,·,é,d,r,bfV]fPf“fX“™,ðŽ]i,μ,Ü,·]B

���@ESC(I	���@G0]W]f,É"½Špfjf^f]fi•¶Žš,ðŽwŽ
���@ESC(J	���@G0]W]f,ÉJIS ROMAN•¶Žš,ðŽwŽ
���@ESC(H	���@G0]W]f,ÉJIS ROMAN•¶Žš,ðŽwŽ
���@ESC(I)	���@G1]W]f,É"½Špfjf^f]fi•¶Žš,ðŽwŽ
���@ESC*I	���@G2]W]f,É"½Špfjf^f]fi•¶Žš,ðŽwŽ
���@ESC+I	���@G3]W]f,É"½Špfjf^f]fi•¶Žš,ðŽwŽ
���@ESC(A	���@G0]W]f,ÉJIS ROMAN•¶Žš,ðŽwŽ
���@ESC(B	���@G0]W]f,ÉJIS ROMAN•¶Žš,ðŽwŽ
���@ESC)A	���@G1]W]f,ÉJIS ROMAN•¶Žš,ðŽwŽ
���@ESC)B	���@G1]W]f,ÉJIS ROMAN•¶Žš,ðŽwŽ
���@ESC)J	���@G1]W]f,ÉJIS ROMAN•¶Žš,ðŽwŽ
���@ESC+"0	���@G3]W]f,ÉŠ;Žš,ðŽwŽ
���@ESC\$+1	���@G3]W]f,ÉŠ;Žš,ðŽwŽ
���@ESC\$+@	���@G3]W]f,ÉŠ;Žš,ðŽwŽ
���@ESC\$+3	���@G3]W]f,ÉŠ;Žš,ðŽwŽ
���@ESC\$+B	���@G3]W]f,ÉŠ;Žš,ðŽwŽ
���@ESC\$B	���@G0]W]f,ÉŠ;Žš,ðŽwŽ
���@ESC\$(B	���@G0]W]f,ÉŠ;Žš,ðŽwŽ
���@ESC\$(@	���@G0]W]f,ÉŠ;Žš,ðŽwŽ
���@ESC\$(@	���@G0]W]f,ÉŠ;Žš,ðŽwŽ

¶@¶@SI	¶@¶@G0¶W¶‡,ðGL¶W¶‡,ÉŽwŽ;
¶@¶@SO	¶@¶@G1¶W¶‡,ðGL¶W¶‡,ÉŽwŽ;
¶@¶@SS2	¶@¶@SS2,É‘±,1Êp²Ä,ì,ÝG2¶W¶‡,ðGR¶W¶‡,ÉŽwŽ;
¶@¶@SS3	¶@¶@SS3,É‘±,1Êp²Ä,ì,ÝG3¶W¶‡,ðGR¶W¶‡,ÉŽwŽ;
¶@¶@ESC ~	¶@¶@G1¶W¶‡,ðGR¶W¶‡,ÉŽwŽ;
¶@¶@ESC }	¶@¶@G2¶W¶‡,ðGR¶W¶‡,ÉŽwŽ;
¶@¶@ESC	¶@¶@G3¶W¶‡,ðGR¶W¶‡,ÉŽwŽ;

## 'ÉMÓDCE, ÓY'è, ·, é

'½, jRf“fsf...[f^, ÉÚ±, μ, ½, èAí•ñ, ÓCÉdS·, ·, éê‡, É, íA, », l'O, ÉfpfŠfefB, á'ÉM'¬"x, È, Ç, iSí-  
{“I, È'ÉMÓdCE, ÓY'è, μ, È, -, ê, î, È, è, Ü, ¹, ñB

## 'ÉMÓdCE, ÓY'è, ·, é, Í

1. [ÓY'è]jff...[l'ÉMÓdCE]jRf}f“fh, ð'l, Ñ, Ü, ·B
2. Žg, Á, Ä, ç, éfVfXfef€, AEfzfXfg fRf“fsf...[f^, É‡, Á, ½€-Ú, ð'l, ÑA[OK]f{f^f“, ðfNfŠfbfN, μ, Ü, ·B

### ■€-Ú

[’ÉM'¬"x]

### ^Ó-i

f,fff  
,jff[f^"]—'¬"x, ðY'è, μ, Ü, ·B'ÉM, ·, é'ó•  
ù, jVfXfef€, Á", ¶'ÉM'¬"x, ðZg—  
p, μ, È, -, ê, î, È, è, Ü, ¹, ñB  
•;]", l'¬"x, Á'ÉM, Á, «, éf,fff€, à, , é, î, ÁA, f,fff  
€, jf}fjf...fAf<, ð², ×, ÄA'o•ù, jVfXfef€  
, ÉZg, l, e'ÉM'¬"x, ð'l, ñ, Á,, ¾, ³, çB

[ff][f^'·]

2'ä, jRf“fsf...  
ff[f^ŠO, Á, à, èZæ, è, ³, ê, éŠeff[f^  
fpfPfbfg, jff[f^ frfbfg", ÓY'è, μ, Ü, ·B

[fpfŠfefB]

fpfŠfefB, lZí—p, ÓY'è, μ, Ü, ·B

ff[f^'·, É8, ð'l, ñ, ¾é‡, É, íA[, È, μ]  
, ð'l, ñ, Á,, ¾, ³, çB

[fLffffŠfA, ïCÉY]o  
]

%oñÜ, à, Á, È, à, Á, Ä, ç, é, ±  
, AE, ðZl, fLffffŠfA[M]t, ÓCÉY]o, μ, Ü, ·B

f`fFfbfN  
f{fbfNfX, ðflf“, É, ·, é, AE[Af^][f~fif<, fLffffŠfA  
CÉY]o[M]t, ðZg, Á, Ä, f,fff€, l  
%oñÜ, à, Á, È, à, Á, Ä, ç, é, ©, Ç, x  
, ©, ð"»'f, μ, Ü, ·B[fLffffŠfA, ïCÉY]o], ð-  
³CØ, È, ·, é, AE[Af^][f~fif<, f,fff€, l  
%ož"š•¶Zš—ñ, ð², ×, ÄA, f,fff€  
, Á, È, à, Á, Ä, ç, é, ©, Ç, x, ©, ð"»'f, μ, Ü, ·B

, Ü, ©, l€-Ú, ð³, μ, ÓY'è, μ, ½, l, Éf,fff€, à, x, Ü, -  
, Á, È, à, ç, È, ç, é, f,ê‡, É, íA, ±, l`fFfbfN  
f{fbfNfX, ðflft, É, μ, ÄA, à, x^ê"xÜ'±  
, μ, Ä, Y, Ä,, ¾, ³, çB

[fpfŠfefB  
f`fFfbfN]

fpfŠfefB fGf‰[, à<N, «, ½fofCfg, ð•\l  
žl, ·, é, ©, Ç, x, ©, ÓY'è, μ, Ü, ·B

[fVfŠfAf< f|◻[fg] f,fff€,ìŽg,¤fVfŠfAf< f|◻[fg,ð'I,Ñ,Ü,·◻B

[fxfgfbfv frfbfg] 'ÈℳℳŽž,ì•¶Žš,Æ•¶Žš,ìŠÔ,ìŽžŠÔ,ðℳÝ'è,μ,Ü  
·,□B

[f]fb[ff][§Cä] fo[fb]ft@, ª, ¤, Ä, ï, ¢, É, È, Á, Ä Afzfxfg  
fRf“fsf...  
[]f^, ©, ç, ]ff[]f^, ð, », ê ^ È [ä]ZóM, Å, «, È, -  
, È, Á, ½ [ä]f, f^ [f~f]f<, i' [ä]^ • û-  
@, ð [Y'è, µ, Ü, ·]B

fzfxfg fRf“fsf...  
□[f^,äfn□[fhfEfFfA,É,æ,é•û-@,ðŽg,¤  
,Æ,«,í[fn□[fhfEfFfA],ð’l,ñ,Å,-  
,³/⁴,³,¢□B,Ü,½□AfzfXfg fRf“fsf...  
□[f^,äfi□[fo□[ftf□□[žž,É‰½,à,µ,È,¢  
,Æ,«,í,[È,µ],ð’l,ñ,Å,-³/⁴,³,¢□B,ç,ìží—  
þ,¡ftf□□[çS€ä,ðŽg,Å,½,ç,æ,¢  
,©,¤,í,©,ç,È,¢,Æ,«,É,í□A[Xon/  
Xoff]f!fvfvfvf!“f {f^“f,ð’l,ñ,Å,-³/⁴,³,¢□B

f,fff€,lfRf}f“fh,ðÙÝ’è,·,é

fzfXfg fRf“fsf...[f^,ÉÚ±,;é,AE,«,íA,»,l’O,Éžg—p’t,lf,fff€,ðžw’è,μA’Éížg,xfRf}f“fh,ð,»,l,Ü,Üžg—p,·é,©A,Ü,½,í•íX,μ,Ü,·B

f,fff€,lfRf}f“fh,ðÙÝ'è,·,é,É,i

- [OK]f{f^f“,đfNfŠfbfN,μ,Ü,·}B
  - [f,fff€,íží—þ]fOf<>[]fv f{fbfNfX,Å}Ažg—p,·,éf,fff€,ð’l,Ñ,Ü,·}Bžg—p,·,éf,fff€,^é—,É,È,¢,Æ,«,í[,»,í¹¼],ð’l,Ô,©]AfRf}f“fh,žg—p,·,éf,fff€,É”Ô<ß,tf,fff€,ð’l,Ñ,Ü,·}B
  - Ž©“®“I,É}Y’è,³,ê,½fRf}f“fh,ð}C}³,·,é,Æ,«,í]A[fRf}f“fh,ížw’è]fOf<>[]fv f{fbfNfX,Å}AfRf}f“fh,ð”ü—í,·,é,©žè’¼,µ,µ,Ü,·}B  
ŠÖ^á,!,½,Æ,«,í]Af,fff€,íží—þ,ð,à,x^é“x’l,x,í]Rf}f“fh,ðŒ³,É—ß,¹,Ü,·}B

## 'ÉMŽŽŠÔ, ðŒv, é

[ÓÝ'è]fjjf...[],ì[ftf@f“fNfVftf“ fL[],ð•\ž!fRf}f“fh,ð'I,ñ,Âftf@f“fNfVftf“ fL[],ð•\ž!,·,é,ÆAf^[]f~fj<,ìfEfBf“fhfE,ì^ê”Ó‰º,ÉAŒ»ÓÝ,ížž[],©'ÉMŽŽŠÔ,ìf^fCf}[],^•\ž!,³,ê,Ü,·B

## 'ÉMŽŽŠÔ, ðŒv, é, í

1. [ÓÝ'è]fjjf...[],ì[‘ÉMŽŽŠÔ, ïŒv’³]fRf}f“fh,ð'I,ñ,Ü,·B  
f^fCf}[],^•fg,μ,Ü,·B
2. f^fCf}[],ð0,É-ß,·,Æ,«,íA[‘ÉMŽŽŠÔ, ïŒv’³]fRf}f“fh,ð,à,¤^ê”x'I,ñ,Âžž[],ì•\ž!,É-ß,μA,³,ç,É,à,¤^ê”x'I,ñ,Âf^fCf}[],^•\ž!,É-ß,μ,Ü,·B  
f^fCf}[],ð0,É-ß,³,,Éžž[]•\ž!,Æf^fCf}[],ðØ,è'Ö,!,é,Æ,«,íAf^fCf}[],^•\ž!,ðfNfSfbfN,μ,Ü,·B

ŠÖ~A€-Ú

ftf@f“fNfVftf“ fL[],ì•\ž!,ðØ,è'Ö,!,é

'[--f,][fh,ð]Y'è,·,é

'[--f,][fh,ð]Y'è,·,é,É,í

1. [ð]Y'è]f[]fj...[][,ì[('[--,ì]Y'è]fRf}f"fh,ð'I,Ñ,Ü,·]B

2. "K]Ø,È'[--f,][fh,ì]f`fFfbfN f{fbfNfX,ðflf",É,μ,Ä]A[OK]f{f^f",ðfNfSfbfN,μ,Ü,·]B

### ■€-Ú

[ž]“@]Ü,è•Ô,  
μ]

### Ó-i

žw'è,ìŒ...  
ð',,ì,½ž]M•¶žš,ðžY,ì]s,É]Ü,è•Ô,μ,Ü,·]B

fzfXfg fRf"fsf...[]f^,²132Œ...  
ì]s,ðžg,¢]Až]•²,²80Œ...  
ì]fffbfXfvfCfC,ðžg,Á,Ä,¢,é,æ,¤  
,È]ê]f,í]A,±,ì]f`fFfbfN f{fbfNfX,ðflf",É,μ,Ä,-  
,³/₄,³,¢]B[ž]“@]Ü,è•Ô,μ]f`fFfbfN  
f{fbfNfX,²flf,ì,Æ,«,í]Ažw'è,ìŒ...  
ð',,ì,½ž]M•¶žš,ð"ç,þ,É,í]AfXfNf]f  
fo] [.ðžg,¢,Ü,·]B

### [f]f]f]f]fGfR[]

ž]•²,ì]fL]“ü—í,ð‰æ-È,É•\  
ž],μ,Ü,·]B”¹/₄“ñ]d,ì]fš,]fg fVfXfef€  
,í]fL]f{[]fh,®,ç,ì“ü—í,ð‰æ-È,É•\  
ž],À,«,Ü,¹,ñ,²]A'S”ñ]dfVfXfef€,í“ü—í,ð•\  
ž],À,«,Ü,·]B

fzfXfg fRf"fsf...[]f^,²f]f]fU]f,ì]fL]“ü—í,ð•\  
ž],·,é,Æ,«,í]A[f]f]f]fGfR[]  
,ðflf,ì,Ü,Ü,É,μ,Ä,“,¢,Ä,,³/₄,³,¢]B

### [Œx]‰¹,ð- À,ç,·]

fzfXfg fRf"fsf...[]f^,®,çŒx]‰¹,ð-  
À,ç,·]§ŒäfR]f,²—,ç,ê,½,Æ,«,É]AžÀ]Ü,É  
‰¹,ð-À,ç,μ,Ü,·]B

•œ<A(CR),Æ‰œü]s(LF),ð]Y'è,·,é

'É]A]fzfXfg fRf"fsf...[]f^,®,çfefLfXfg,²—,ç,ê,é,Æ,«,É,í]A‰œü]s,É,í•œ<A‰œü]s(CR+LF)  
,ì]fR]f,ðžg,í,ê,Ü,·]B,Ü,½]AfzfXfg fRf"fsf...[]f^,ÉfefLfXfg,ð'—,é,Æ,«,É,í]A‰œü]s,É,í•œ<A(CR)  
,ì]fR]f,ðžg,í,ê,Ü,·]BzfXfg fRf"fsf...[]f^,²fefLfXfg,ð'—,é,Æ,«,É‰œü]s,É•œ<A(CR),ì]fR]f,ðžg,Á,Ä,¢  
,é]ê]f,å]AfefLfXfg,ðžó,¬žæ,é,Æ,«,É‰œü]s,É•œ<A‰œü]s(CR+LF)  
,ì]fR]f,ðžg,¤]ê]f,É,í]A,»,ê,¹/₄,ê]A•œ<A(CR),ì]fR]f,ì,Æ,É‰œü]s(LF),ì]fR]f,ð'ç‰À,·,é,±  
,Æ,à,À,«,Ü,·]B

ž]M“à—e,ì•œ<A(CR),É‰œü]s(LF),ð'ç‰À,·,é,É,í

1. [ð]Y'è]f[]fj...[][,ì[('[--,ì]Y'è]fRf}f"fh,ð'I,Ñ,Ü,·]B

2. [ž]M,ì,Æ,«]f`fFfbfN f{fbfNfX,ðflf",É,μ,Ü,·]B

fzfXfg fRf“fsf...[f^, a]A’—M, ., éfefLfg, i•œ<A(CR), É‰oü}s(LF), ð'Ç‰oÁ, ., é, Æ, «, í]A[ZóM, i, Æ, «]f`fFfbfN f{fbfNfX, ðflft, É, µ, Ü, ·]B

3. [OK]f{f^f“, ðfNfŠfbfN, µ, Ü, ·]B

‘—]M“à—e, i•œ<A(CR), É‰oü}s(LF), ð'Ç‰oÁ, ., é, É, i

1. [|Y'è]f[]fj...[], i[‘[–, |]Y'è]fRf}f“fh, ð'l, ñ, Ü, ·]B

2. [‘—]M, i, Æ, «]f`fFfbfN f{fbfNfX, ðflf“, É, µ, Ü, ·]B

fzfXfg fRf“fsf...[f^, a]A[ZóM, ., éfefLfg, i•œ<A(CR), É‰oü}s(LF), ð'Ç‰oÁ, ., é, Æ, «, í]A[‘—]M, i, Æ, «]f`fFfbfN f{fbfNfX, ðflft, É, µ, Ü, ·]B

3. [OK]f{f^f“, ðfNfŠfbfN, µ, Ü, ·]B

%oæ-Ê,íŒ...”,ðŸ'è,·,é

Œ...”,ðŸ'è,·,é,É,í

1. [ØY'è]fØffj...Ø[,ì[’[--,ìØY'è]fRf}f“fh,ð'I,Ñ,Ü,·ØB
2. [•\Ž!,·,éŒ...”]fOf<Ø[fv f{fbfNfX,Â[80]flfvfVf‡f“ f{f^f“,©[132]flfvfVf‡f“ f{f^f“,ð'I,Ñ,Ü,·ØB  
80Œ...fffBfXfvfŒfC,ð•ØLfffBfXfvfŒfC,ì,æ,¤,ÉŽg,¤ê‡,íØA[132]flfvfVf‡f“  
f{f^f“,ð'I,Ñ,Ü,·ØB[132]flfvfVf‡f“ f{f^f“,ð'I,Ô,ÆØA132Œ...•ª,ì•¶Žš,ð’—ŽóØM,µ,È,-  
,Ã,àØAf‡Ø[f~fif<,í132Œ...•ª,ìfXfyØ[fX,ð—p^Ó,µ,Ü,·ØB
3. [OK]f{f^f“,ðfNfŠfbfN,µ,Ü,·ØB

**ftfHf“fg,ð’I,Ö**

**ftfHf“fg,ð’I,Ö,É,I**

1. [ØÝ'è]fØff...Ø[,ì[’[--,ìØÝ'è]fRf}f“fh,ð’I,Ñ,Ü,·ØB
2. [•\Z!—p,]ftfHf“fg]fOf<Ø[fv f{fbfNfX,ÅftfHf“fg,ÆftfHf“fg fTfCfY,ð’I,Ñ,Ü,·ØB  
,±,ì, ,ÆØAf^Ø[f~fif<,]fEfBf“fhfE,Å’—ZóØM,μ,½•¶Zš,²ØAØÝ'è,³,ê,½ftfHf“fg,ÆfTfCfY,Å•\Z!,³,ê,Ü,·ØB
3. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·ØB

• È, ïŒ³/4Œê, ï• ¶Žš, Å• \Ž|, ·, é

• È, ïŒ³/4Œê, ð’I, Ô, É, í

1. [ØÝ'è]fØff...Ø[, ï[’[--, ïØÝ'è]fRf}f“fh, ð’I, Ñ, Ü, ·ØB

2. [•¶ŽšfRØ[fh, ï• ïš• û-@]fOf<Ø[fv f{fbfNfX, ÅØÝ'è, ð’I, Ñ, Ü, ·ØB

—’-¼, ð’I, Ô, Æ ISO(International Standards Organization), Å, », ïØ’, ïŒ³/4Œê—  
þ, É’è<³, ê, ½• ¶ŽšfZfbfg, åŽg, í, ê, Ü, ·ØBfzfXfg fRf“fsf...  
Ø[f^, åA’I, ñ, ¾Ø’, ï• ¶ŽšfZfbfg, ðŽó, “t, ^, é, ©, Ç, x, ©, ðŽ-’O, ÉŠm”F, µ, Ä, , ¾, ³, ¢ØB

3.

fAfNfZf“fg, Å, «, ï• ¶Žš, å“ÁŽê• ¶Žš, ðŠÜ, þŒ³/4Œê, ïØ’• ñ, ðŽóØM, ·, é, Æ, «, ïØA[IBMfRØ[fh, ©, çANSI, Ö]f`fFf  
bfN f{fbfNfX, ðflf“, É, µ, Ü, ·ØB

%oæ-È, É• ¶Žš, åØ³Øí, É• \Ž|, ^, ê, é, æ, x, É, È, è, Ü, ·ØB

4. [OK]f{f^f“, ðfNfŠfbfN, µ, Ü, ·ØB

**ŠčŽšfVftfgfR[]fh,ð[]Y'è,·,é**

Žg—p,·,éŠčŽšfVftfgfR[]fh,ì[]Y'è,ð,μ,Ü,·[]B

**ŠčŽšfVftfgfR[]fh,ð[]Y'è,·,é,É,í**

1. [ð[]Y'è]f[]ff...[][,ì[‘[--,ì[]Y'è]fRf}f“fh,ð'I,Ñ,Ü,·[]B
2. [ŠčŽšfVftfgfR[]fh]fOf<[]fv,ì’t,Åžg—p,·,éŠčŽšfR[]fh,ðf`fFfbfN,μ,Ü,·[]B  
@[]@fzfXfg’¤,Åžg—p,μ,Ä,¢,éŠčŽšfVftfgfR[]fh,ð[]Y'è,μ,Ä,,¾,³,¢[]B
3. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·[]B

,Wfrfbfg“]’—Žž,í,r,h^,r,n§ä,ð—LCEø,É,·,é

,Vfrfbfg“]’—Žž,É”½ŠpfJfi“™,í,WfrfbfgŒn•¶Žš,¤’ÊM,Å,«,é,æ,¤,É,r,h^,r,n§ä,ð—LCEø,É,µ,Ü,·B  
,È,“[]AfVftfg,i,h,rŠžšfR[]fh,Å,í’ÊM,í,Wfrfbfg“]’—,Å,²—~—p,,¾,³,¢B

,r,h^,r,n§ä,ð—LCEø,É,·,é,É,í

1. [ØÝ’è]f[]ff...[][],í[’[--,íØÝ’è]fRf}f“fh,ð’I,Ñ,Ü,·B
2. [,r,h^,r,n]f`fFfbfNf{fbfNfX,ð,n,m,É,µ,Ü,·B
3. [OK]f{f^f“,ðfNfŠfbfN,µ,Ü,·B

**fXfNf** [f< fo] [, ð•\Z|, ., é

f^[] [f~fif<, ] fEfBf“fhfE, ÅŒ»] Y•\Z|, ^, ê, Ä, ç, È, ç] i•ñ, ðŒ©, é, É, í] AfxNf [f< fo] [, ðŽg, Á, Ä, , ^, ç] B

**fXfNf** [f< fo] [, ð•\Z|, ., é, Í

1. [ ] Y'è] fff...[ , i[ '--, i] Y'è] fRf} f“fh, ð'I, Ñ, Ü, ·] B
2. [fxNf] [f< fo] [, i•\Z|] f` fFfbfN f{fbfNfX, ðflf“, É, µ, Ü, ·] B
3. [OK] f{f^f“, ðfNfŠfbfN, µ, Ü, ·] B

ŠÖ~A] €-Ú

fofbftf@, i] s”, ð] Y'è, ., é

fofbftf@, ðfNfŠfA, ., é

**f**of**bftf@,í**s",**ð**Y'è,·,é

**f**of**bftf@,É**•**Ü**'¶,Å,«,és",**ð**Y'è,·,é,É,í

1. [**ñ**Y'è]**f**ff...**[**,**í**[**--**,**ñ**Y'è]**f**Rf}**f**"**f**h,**ð**I,**N**,**Ü**,·**B**

2. [**f**of**bftf@,í**s"]**f**efL**f**Xfg **f**{**f**bfNfX,**É****s**",**ð**"ü—í,μ,**Ü**,·**B****f**^**[****f**~**f**f<,**ð**80**C**...**f**,**f**h,**Å**Zg,Å,Ä,¢,é,Æ,«,**í**25`399,**í**”’I,**ð**"ü—í,μ,**Ü**,·**B**132**C**...**f**,**f**h,**Å**Zg,Å,Ä,¢,é,Æ,«,**í**25`244,**í**”’I,**ð**"ü—í,μ,**Ü**,·**B**

**Z**g—p‰oÅ"＼,È**f****f**,**f**Š **f**T**f**C**f**Y,æ,è'½,-  
.í**s**,**ð**Zw'è,·,é,Æ**A**of**bftf@,É**•**Ü**'¶,Å,«,é**s**",**í****f****f**,**f**Š,**É**Ši"**I**,Å,«,é**A**'å**s**",**É**Y'è,³,é,**Ü**,·**B**25**s**-¢-  
.í**s**",**ð**Zw'è,·,é,Æ**A**25**s**,**í****f**of**bftf@,ð**Šm•**Ü**,³,é,**Ü**,·**B**

3. [OK]**f**{**f**^**f**"**,****ð**fNfŠfbfN,μ,**Ü**,·**B**

ŠÖ~A**€**-Ú

**f**XfNf**f****f**[**f**<**fo****f**[**I**,**ð**•**\Z**],·,é

%oæ-È,í**C**...**ñ**",**ð**Y'è,·,é

**f**of**bftf@,ð**fNfŠfA,·,é

## “ÁŽê,ÈfL[],í<@”\,ðÙÝ’è,·,é

ftf@f“fNfVf#f“ fL[]A•ùŒüfL[]AfRf“fgf[]f< fL[],ðWindows NT,º”FŽ“,·,é,æ,¤,É,·,é,©A,»,í,Ü,ÜfzfXfg  
fRf“fsf...[]f^,É’—,é,æ,¤,É,·,é,©,ð’I,x,Ü,·B

## “ÁŽê,ÈfL[],íŽg,¢•ù,ðÙÝ’è,·,é,É,í

1. [ÙÝ’è]f[]ff...[][,í[‘[–,íÙÝ’è]fRf}f“fh,ð’I,N,Ü,·B

2. fwf<fv,ð•íŽ|,·,é **F1** fL[],âAfAfvfŠfP[]fVf#f“,ðØ,è’Ö,|,é **Ctrl+Esc** fL[],È,çA“ÁŽê,È<@”\  
,ðŽ[],ÂfL[],ðWindows NT,ífL[],Æ,μ,ÄŽg,¤,Æ,«,íA[f@f“fNfVf#f“ fL[]A•ùŒüfL[]AfRf“fgf[]f<  
fL[],ð’[–‘¤,ÄŽg—p]f`fFfbfN f{fbfNfX,ðf]f“,É,μ,Ü,·B

Windows NT,í<@”\,ðŽg,í,,ÉfzfXfg fRf“fsf...[]f^,É’—,é,Æ,«,íA,±,íf`fFfbfN  
f{fbfNfX,ðf]f,É,μ,Ü,·B,½,Æ,|,íA[fzfXfg fRf“fsf...[]f^,Æ,í’ÈM’t,É **Ctrl+C** fL[],ð,æ,Žg,¤,È,çA,±  
,íf`fFfbfN f{fbfNfX,ðf]f,É,·,é•K—v,º, ,è,Ü,·B,±,íê¤A,±,é,ç,ífL[],ífzfXfg fRf“fsf...  
[]f^,íAfvfŠfP[]fVf#f“,É’í,μ,Ä“,,æ,¤,É,È,è,Ü,·B

**ftf@f“fNfVftf“ fL[],ðŽg—p,·,é**

**ftf@f“fNfVftf“ fL[],ð•\Ž!,·,é,É,í**

1. [Ø'è]f[]fjf...[][,ì[ftf@f“fNfVftf“ fL[]]fRf}f“fh,ð'I,Ñ,Ü,·]B
2. [fOf<>[]fv,ì'I'ð]fOf<>[]fv f{fbfNfX,Å]A•\Ž!,·,éftf@f“fNfVftf“ fL[],]fOf<>[]fv,ð'I,Ñ,Ü,·]B
3. [ftf@f“fNfVftf“ fL[],ì•\Ž!]f`fffbfN f{fbfNfX,ðflf“,É,μ,Ä]A[OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·]B  
fL[],³•\Ž!,³,ê,Ü,·]B•\Ž!,³,ê,fL[],]fOf<>[]fv,ð'Ö,!,é,É,í]A[ftf@f“fNfVftf“ fL[],ìØ'è]f`fCfAf]fO  
f{fbfNfX,Å•Ê,]fOf<>[]fv,ð'I,ñ,Å,,³/4,³,¢]B,Ü,½,í]Af^>[]f~fif<,]fEfBf“fhfE,ì^ê”Ô‰,ì•û,É, ,é]Aftf@f“fNf  
Vftf“ fL[],]fOf<>[]fv,ì”Ô]t,ð•\Ž!,μ,½f{f^f“,ðfNfŠfbfN,μ,Ä,,³/4,³,¢]B

**ftf@f“fNfVftf“ fL[],ðŽg—p,·,é,É,í**

► ftf@f“fNfVftf“ fL[],Éš,,è“-,Å,½fRf}f“fh,ðŽg,¤,Æ,«,í]A**Ctrl+Alt+ftf@f“fNfVftf“ fL[],ð‰,Ý,μ,Ä,-**  
**,³/4,³,¢]B,Ü,½,í]Af^>[]f~fif<,]fEfBf“fhfE,ì‰,Éftf@f“fNfVftf“ fL[],³•\Ž!,³,ê,Ä,¢,é]é]f,É,í]A-  
Ú”!,]ftf@f“fNfVftf“ fL[],ðfNfŠfbfN,μ,Ä,,³/4,³,¢]B**

ŠÖ~A]€-Ú

**ftf@f“fNfVftf“ fL[],É•¶žš—ñ,ðš,,è“-,Å,é**

**ftf@f“fNfVftf“ fL[],ì•\Ž!,ð]Ø,è'Ö,!,é**

## **ftf@f“fNfVftf” fL[],É•¶Žš—ñ,ðŠ,,è“-,Ä,é**

ftf@f“fNfVftf” fL[],í4’È,è,]fOf<[]fv,É•ª,~,ç,ê,é,ì,Å[]A1,Â,)ftf@f“fNfVftf” fL[],É,Â,¢,Ä4,Â,ì•¶Žš—ñ,ðŠ,,è“-,Ä,ç,ê,Ü,·BfL[],ÉS,,è“-,Ä,ç,ê,Ä,¢,é•È,ì•¶Žš—ñ,ðŽg,¤,Æ,«,ÍAfL[],]fOf<[]fv,ð•Í[]X,μ,Ü,·B

## **ftf@f“fNfVftf” fL[],É[]i<Æ,ðŠ,,è“-,Ä,é,É,í**

1. [ØÝ’è]f[]ff...[][,ì]ftf@f“fNfVftf” fL[]]fRf}f“fh,ð’I,Ñ,Ü,·B
2. [fOf<[]fv,ì’l’ð]fOf<[]fv f{fbfNfX,Â]Af tf@f“fNfVftf” fL[],]fOf<[]fv,ð’I,Ñ,Ü,·B
3. [fL[],ì]f^fC fgf<]fe fLfx fg f{fbfNfX,É]A,»,,é,,½,ê,)ftf@f“fNfVftf” fL[],ì]f^fC fgf<,ð“ü—í,μ,Ü,·B-½’O,íŽ©—R,É,Â,~,ç,ê,Ü,·B
4. [“o~^,·,é•¶Žš—ñ]fefLfx fg f{fbfNfX,É]A•¶Žš]A]§ŒäfR[]fh]A,Ü,½,í,»,)—½•û,ð“ü—í,μ,Ü,·B41•¶Žš,Ü,Ä“ü—í,Ä,«,Ü,·B]§ŒäfR[]fh,íAfLfffŒfbfg(øg]O]h),ÄŽn,Ü,é•¶Žš—ñ,Ä,·B  
2]4,ižè]f,ðŒJ,è•Ô,¹,î]AŽY,]fOf<[]fv,]ftf@f“fNfVftf” fL[],É•¶Žš—ñ,ðŠ,,è“-,Ä,ç,ê,Ü,·B

### **§ŒäfR[]fh**

### **“@[]i**

^A[]`^Z

fzfx fg fRf“fsf...  
[]f^,ÉfRf“fgf[]f<A,©,çfRf“fgf[]f<Z,Ü,Ä,ì]§ŒäfR[]fh,ð’—,è,Ü,·B

^\$Dnn

nn•bŠÔ’Ò,Ä,É,©,çœ,Ö]i,Ý,Ü,·B

^\$B

117f~fS•bŠÔ]AfufŒ[]fN]M]t,ð’—,è,Ü,·B

^\$C

[“d~b]f[]ff...  
[]i[f\_fCf,,f<]fRf}f“fh,ð’I,Ñ,Ü,·B

^\$H

[“d~b]f[]ff...  
[]i[%oñ]ü,ì]Ø’f]fRf}f“fh,ð’I,Ñ,Ü,·B

^\$L1 to ^\$L4

•È,]ftf@f“fNfVftf”  
fL[],]fOf<[]fv,É•í,ì,Ü,·B

^~

fLfffŒfbfg(øg]O]h),ðfzfx fg  
fRf“fsf...[]f^,É’—,è,Ü,·B

^@

NULL•¶Žš,ðfzfx fg fRf“fsf...  
[]f^,É’—,è,Ü,·B

^[n

ESCfR[]fh,ðfzfx fg fRf“fsf...  
[]f^,É’—  
,è,Ü,·BESCfR[]fh,íGfxfp]fv  
fV]fPf“fx,ð’—,é,ì,ÉŽg,¢,Ü,·B

5. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·B

ŠÖ~A€-Ú

ftf@f“fNfVftf“ fLl.öŽg—p.,é

ftf@f“fNfVftf“ fLl.i•\Ž!,öØ,è'Ö,l,é

**ftf@f“fNfVftf“ fL[],i•\Z!,ðØ,è'Ö,,é**

f^[]f~fif<,jfEfBf“fhfE,‰,Éftf@f“fNfVftf“ fL[],âžž[],ð•\Z!,Â,«,Ü,·Bftf@f“fNfVftf“ fL[],iã,Â,íAfj[]f  
f<,žè,iŒ` ,É,È,è,Ü,·B

**ftf@f“fNfVftf“ fL[],ð•\Z!,..,é,É,i**

► [ÛY`è]f[]fj...[],i[ftf@f“fNfVftf“ fL[],ð•\Z!]fRf}f“fh,ð'I,Ñ,Ü,·B

**ftf@f“fNfVftf“ fL[],ðÁ,..,É,i**

► [ÛY`è]f[]fj...[],i[ftf@f“fNfVftf“ fL[],ð‰,·]fRf}f“fh,ð'I,Ñ,Ü,·B

šö~A€-Ú

**ftf@f“fNfVftf“ fL[],ðŽg—p,.,é**

**ftf@f“fNfVftf“ fL[],É•¶žš—ñ,ðš„,è“-,Ä,é**

## **fefLfXfg ftf@fCf<,ð•W✉€ftf✉[✉sCEä,Ä'—,é**

[ •W✉€,ìftf✉[✉sCEä]flfvfVf#“,ðŽg—p,μ,ÄfefLfXfg ftf@fCf<,ð”]’—,Ä,«,Ü,·□B[ftf✉[✉sCEä],í□Af^□[f~fjf<ŠÔ,Ä□í•ñ,ðCEðS·,·é’¬“x,ðŽw’è,μ,Ü,·□B[•W✉€,ìftf✉[✉sCEä]flfvfVf#“,ð’I’ð,·é,Æ□AŽó□M’ñf^□[f~fjf<,ìfofbftf@,³,¢,Ä,í,¢,É,È,Ä,½,Æ,«,É□Af^□[f~fjf<,í^êŽž’âŽ~,μ,Ü,·□B

## **•W✉€ftf✉[✉sCEä,ð’I,Ô,É,í**

1. [□Ý’è]f□fjf...□[,ì[fefLfXfg ftf@fCf<,ì”]’—•û-@]fRf}f“fh,ð’I,Ñ,Ü,·□B
2. [ftf✉[✉sCEä]fOf<□[fv f{fbfNfX,Ä□A[•W✉€,ìftf✉[✉sCEä]flfvfVf#“ f{f^f“,ð’I,Ñ,Ü,·□B  
ftf✉[✉sCEä,ì•û-@,í□A[□Ý’è]f□fjf...□[,ì[’Ê□M□ðCE□]fRf}f“fh,ðŽg,Ä,Ä’I,Ñ,Ü,·□B
3. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·□B

ŠÖ~A□€-Ú

'Ê□M□ðCE□,ð□Ý’è,·,é

**fefLfXfg ftf@fCf<,ð^ê“x,É1•¶Žš,,Â’—,é**

**^ê“x,É1•¶Žš,,Â’—,é,É,í**

1. [¶Ý'è]f[]fj...[][],ì[fefLfXfg ftf@fCf<,í"]'—•û-@]fRf}f"fh,ð'I,ñ,ü,·[]B
2. [ftf[]][¶§Œä]fOf<[]fv f{fbfNfX,Å[1•¶Žš,,Â’—¶M]f]fvfvf#f" f{f^f“,ð'I,ñ,ü,·[]B
3. [•¶Žš’—¶MŽž,ìfffBfŒfC]f]fvfvf#f" f{f^f“,ü,½,í[•¶ŽšfGfR][‘Ò,¿]f]fvfvf#f" f{f^f“,ð'I,ñ,ü,·[]B
4. [OK]f{f^f“,ðfNfŠfbfN,μ,ü,·[]B

**¶€-Ú**

[•¶Žš’—  
¶MŽž,ìfffBfŒfC  
]

**^Ó-i**

,ç,ì•¶Žš,à<“™,É’á’¬,Â’—  
,è[]AfGf%oo[],ð-hž~,μ,ü,·[]B

‘—¶Mff[]f^,ð“]’—,é<@”\,í,È,-  
[]AfzfXfg fRf"fsf...  
[]f^,®,ç,ìftfB[]f]fofbfN,à, ,è,ü  
,¹,ñ[]B

**fefLfXfg**  
f{fbfNfX,É[]A•¶Žš,Æ•¶Žš,ìŠOŠ  
u,ð0.1•b'P^È,Å“ü—í,μ,Ä,-  
,¾,³,¢[]B

[•¶ŽšfGfR][‘Ò,  
¿]  
**^ê“x,É1•¶Žš’—,è[]AfzfXfg  
fRf"fsf...  
[]f^,®,ç,ì•¶Žš,ðfGfR][.,é,ì,ð'Ò  
,Å,Ä,®,çŽY,ì•¶Žš,ð’—,è,ü,·[]B  
,±,ì•û-  
@,í,á’¬,Å,·[]B,Ü,½[]A•¶Žš,ð]³,  
μ,fGfR][.,éfVfXfef€  
,Å,¾,¬Žg,Å,Ä,¾,³,¢[]B**

ŠÖ~A[]€-Ú

**fefLfXfg ftf@fCf<,ð^ê“x,É1[]s,,Â’—,é**

**fefLfXfg ftf@fCf<,ð•W[]€ftf[]][¶§Œä,Å’—,é**

**fefLfXfg ftf@fCf<,ð^ê“x,É1\s,,Â’—,é**

**^ê“x,É1\s,,Â’—,é,É,í**

1. [ØY'è]fØff...Ø[.ì[fefLfXfg ftf@fCf<,ì"]'—•Ù-@]fRf}f"fh,ð'I,Ñ,Ü,·ØB
2. [1\s,,Â’—ØM]flfvfVf#f" f{f^f“,ð'I,Ñ,Ü,·ØB
3. [Øs'—ØMŽž,ìfffBfŒfC]flfvfVf#f" f{f^f“,Ü,½,í[fvfØf"fvfg'Ò,¿]flfvfVf#f" f{f^f“,ð'I,Ñ,Ü,·ØB
4. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·ØB

**Ø-Ú**

[Øs'—  
ØMŽž,ìfffBfŒfC ] ,ç,ìØs,à<í“™ ,É'á'¬,Â’—,èØAfGf‰Ø[,ð-  
hŽ~,μ,Ü,·ØB’—ØMffØ[f^,ðŒÝØØ,·,é<@"\  
,í,È,ØAfzfXfg fRf"fsf...  
Ø[f^,©,ç,ìftfBØ[fhfobfN,à, ,è,Ü,¹,ñØB

**fefLfXfg**  
**f{fbfNfX,ÉØAØs,ÆØs,ìŠOŠu,ð0.1•b'P^È,Â**  
**“ü—í,μ,Ä,,¾,³,¢ØB**

[fvfØf"fvfg'Ò,¿] 1Øs'—,èØAfzfXfg fRf"fsf...  
Ø[f^,¤Sm"F•¶Žš—ñ(fØfbfZØ[fW),ð'—  
,Ä,Ä,,é,ì,ð'Ò,Ä,Ä,©,çŽŸ,ìØs,ð'—,è,Ü,·ØB

**fefLfXfg f{fbfNfX,ÉØAØs--**  
**fRØ[fh,ð“ü,é,Ä,,¾,³,¢ØBŠm" F•¶Žš—**  
**ñ,âØs--**  
**fRØ[fh,É,í^ê”È“I,ÉØg^MØh,¤Zg,í,é,Ü,·ØB**

,±,ì•Ù-@,í•¶ŽšfGfRØ[.É,æ,é•Ù-  
@([1•¶Žš,,Â’—ØM],ì[•¶ŽšfGfRØ['Ò,¿])  
,æ,è,àØ,'¬,Ä,·ØB,Ü,½ØAfzfXfg fRf"fsf...  
Ø[f^,ì•¶ŽšfGfRØ[.ìØM—  
ŠØ«,¤'á,¢ØéØ‡,É,à"¤Šr"Ø³,μ,"®Øì,μ,Ü,·ØB

**ŽŸ,ìØs,ð'—ØM,.,é'Ø,ÉfzfXfg fRf"fsf...**  
**Ø[f^,©,ç'—ØM,μ,½,¢•¶Žš—**  
**ñ,ðŽw'è,μ,½ØéØ‡,É,íØAf^Ø[f~fif<,í,±,ìØ^**  
**—Ø,ðŽ©“®‰»,Ä,«,Ü,·ØB**

**ŠO~AØ€-Ú**

**fefLfXfg ftf@fCf<,ì'—ØMŽž,ì‰üØs,ðØY'è,.,é**

**fefLfXfg ftf@fCf<,ð^ê“x,É1•¶Žš,,Â’—,é**

**fefLfXfg ftf@fCf<,ð•WØ€ftfØØ[Ø§Œä,Â’—,é**

**fefLfXfg ftf@fCf<,í'—□MŽž,ì‰oü□s,ð□Y'è,·,é**

,±,íflfvfVftf“,íAfefLfXfg fGfffBf^,©f□□[fh fvf□fZfbfT,Å□í,Á,½ftf@fCf<,ð’—,é□ê□‡,ÉŽg,¢,Ü,·□B‰oæ-  
Ê,íŒ...□”,É,©,©,í,ç,„A”¼Sp132•¶Žš•²,Ü,Å,íŒ...□”,ð□Y'è,Å,«,Ü,·□Bftf@fCf<,ð132Œ...,í'[--,É’—  
,é,Æ,«,í□A,±,í□€-Ú,ð’I,ñ,Å,©,ç□g131□h,Æ“ü,é,Ä,,³/₄,³,¢□B1□,È,¢Œ...□”,É,·,é,í,í□A□s--,  
‰oü□sfR□[fh(‘É□í,í□g^M□h),³“ü,é,½,ß,Å,·□B

**fefLfXfg ftf@fCf<,í'—□MŽž,ì‰oü□s,ð□Y'è,·,é,É,í**

1. [□Y'è]f□ff...□[,í[fefLfXfg ftf@fCf<,í”]’—•û-@]fRf}f“fh,ð’I,Ñ,Ü,·□B
2. [‘—□MŽž,É‰oü□sfR□[fh,ð“ü,é,é]f`fFfbfN f{fbfNfX,ðflf“,É,μ,Ä□AfefLfXfg f{fbfNfX,É1□s,íŒ...□”,ð“ü—  
í,μ,Ü,·□B
3. [OK]f{f^f“,ðfNfSfbfN,μ,Ü,·□B

**fofCfifŠ ftf@fCf<,ì”]’—•û-@,ðÙÝ’è,·,é**

fefefXfg"]"—,Å,íÅAfzfXfg fRf"fsf...[]f^,ì"K@Ø,ÈØY'è,ð'm,Á,À," ,©,È,\_,é,î,È,è,Ü,1,ñ,²AfofCfjfS"]"—,Å,íÅAff[]f^,ÈØM,ì•W€fvf]fgfRf<ifj<[]f<j,É^È'¶,Å,«,Ü,·BfofCfjfS ftf@fCf<,ð"]"—,·,é,AE,«,íÅAXModem/CRC,ÆKermit,ì,QZí—þ,ì^"È"l,Èfvf]fgfRf<,ì,¢,.,é,©,ð'l'ð,Å,«,Ü,·B

**f**o**f**C**f**i**f**Š **f**tf@**f**C**f**<,ì“]’—,ðÙÝ’è,·,é,É,í

1. [ə̄Ȳ'e]fɔ̄fj...ə̄[i], [īfɔ̄fCfj̄fS̄ ft̄f@fCf<, ī"J̄'-•ū̄-@]fRf]f"fh, ð'I, ñ, Ü, ·]B
  2. fvf]fgfRf<, ð'I, ñ, Å[OK]f{f^f", ðfNfS̄fbfN, μ, Ü, ·]B

[fpfSfeffB]fOf<@[fv f{fbfNjX,ð@Y'è,·,·,É,Í@A@Y'è}f@ff...@[],í@È@M@ð@E@]fRf}f"fh,ð'l,ñ,A,,¾,³,¢@B

ŠÖ~A□€-Ú

## 'ÊMØØCEØ, ØØÝ'è, ·, é

## **fzfxfg fRf“fsf...[f^,ÉÚ’±,·,é**

fZfbfVf#f”,jØY’è,ðŽw’è,·,é,© A,Ü,½,íf^[]f~fif< ftf@fCf<,ðŠ],¢,½ŒäA f^[]f~fif<,ðŽg—p,µ,Äfzfxfg  
fRf“fsf...[f^,ðŒÄ,Ño,·,±,Æ,¤,Å,«,Ü,·B

## **fzfxfg fRf“fsf...[f^,ÉÚ’±,·,é,É,í**

1. [“d~b]f[]ff...[],l[f\_fCf,f<]fRf}f“fh,ð’l,Ñ,Ü,·B
2. [“d~b”Ô[]t]fRf}f“fh,ÅØY’è,µ,È,© ,Á,½êŒ‡,íf\_fCfAf[]fO f{fbfNfX,¤•\  
ži,³,ê,é,ì,ÅA“d~b”Ô[]t,È,Ç,ðØY’è,µ,Ü,·B
3. [OK]f{f^f“,ðfNfSfbfN,µ,Ü,·B

f,fff€,¤“d~b,ð,©,¬,Ä,àA fzfXfg fRf“fsf...[f^,ÉÚ’±,Å,«,È,¢êŒ‡,É,íA fzfXfg fRf“fsf...  
[]f^,É’í,µ,Ä“KØØ,È’ÈØMØðŒ,¤ØY’è,³,ê,Å,¢,È,¢‰Ä”\«,¤,è,Ü,·B

ŠÖ~AØ€-Ú

“d~b”Ô[]t,ðØY’è,·,é

’ÈØMØðŒ,ðØY’è,·,é

## fzfxfg fRf“fsf...□[f^,AE,íÚ'±,ðØ,é

[‰‰ñü,íØ'f]fRf}f“fh,ð'l'ð,·,é'O,ÉAÚ'±□l—¹fRf}f“fh,ðŽg—p,μ,ÄAÚ'±,ðØ'f,·,é,±,AE,ðfzfxfg  
fRf“fsf...□[f^,É'È'm,μ,È,·,é,È,è,Ü,¹,ñBÅ‰o,É[‰‰ñü,íØ'f]fRf}f“fh,ð'l'ð,μ,Äfzfxfg fRf“fsf...  
□[f^,Ö,íÚ'±,ðØ'f,·,é,AE,A“d~bÚ'±,íÚ'±,³,ê,½,Ü,Ü,íó'Ö,É,È,è,Ü,·B,μ,½,²,Á,ÄAÚ'±,²Ø'f,³,ê,½,±  
,AE,ðfzfxfg fRf“fsf...□[f^,ÄŒÝo,·,é,Ü,ÄA“d~b—¿<à,²‰‰ÄŽZ,³,ê,Ü,·B

## fzfxfg fRf“fsf...□[f^,AE,íÚ'±,ðØ,é,É,í

1. fzfxfg fRf“fsf...□[f^,íÚ'±□l—¹fRf}f“fh,ðŽÀs,μ,Ü,·B  
—~—p,μ,Ä,¢,éfT□[frfx,íl—¹fRf}f“fh,²,í,©,ç,È,¢,AE,«,É,íAfT□[frfx,íf}fj...fAf<,ðŒ©,Ä'²,x,Ä,,³/₄,³,¢B
2. [“d~b]fjjf...□[,í[‰‰ñü,íØ'f]fRf}f“fh,ð'l,Ñ,Ü,·B

## **fefLfXfg ftf@fCf<,ð'—,é**

[□Ý'è]f□fjf...□[,ðŽg—p,μ,ÄfefLfXfg“]’—□ðŒ□,ðŽw’è,μ,½□ê□‡,É,í□A,½,¾,¿,Éftf@fCf<,ð'—□M,À,«,Ü,·□B

## **fefLfXfg ftf@fCf<,ð'—,é,É,í**

1. [“]’—]f□fjf...□[,ì[fefLfXfg ftf@fCf<,ì’—□M]fRf}f“fh,ð'I,Ñ,Ü,·□B
2. [fhf‰oƒCfu],ì^ê—,—,Æ[fffBfŒfNfgfŠ],ì^ê—,—,À□A’—,éftf@fCf<,ì, ,éfhf‰oƒCfu,ÆfffBfŒfNfgfŠ,ð'I,Ñ,Ü,·□B
3. ftf@fCf<-¼,ì^ê—,—,©,ç’—□M,·,éftf@fCf<,ð'I,Ñ,Ü,·□B,Ü,½,ífefLfXfg f{fbfNfX,Éftf@fCf<-¼,ð"ü—í,μ,Ü,·□B
4. Še□s--,ì•œ<A(CR),ìfR□[fh,ì, ,Æ,É‰oü□s(LF),ìfR□[fh,ð'Ç‰oÁ,·,é,É,í□A[LF,ð•t‰oÁ,·,é]f`fFfbfN f{fbfNfX,ðflf“,É,μ,Ü,·□B  
Še□s--,ì•œ<A(CR),ìfR□[fh,ì, ,Æ,ì‰oü□s(LF),ìfR□[fh,ðŽæ,è□œ,,É,í□A[LF,ðŽæ,è□œ,]f`fFfbfN f{fbfNfX,ðflf“,É,μ,Ü,·□B  
fzfXfg fVfXfef€'¤,¤Žó□M,·,é•¶Žš,É‰oü□s(LF),ìfR□[fh,ð'Ç‰oÁ,·,é,æ,¤,¤,È□ê□‡,í□A[LF,ðŽæ,è□œ,-]f`fFfbfN f{fbfNfX,ðflf“,É,μ,À,,¾,³,¢□B
5. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·□B

ŠÖ~A□€-Ú

“]’—,ì^êžž'âŽ~□A□ÄŠ]□A'†ž~

•œ<A(CR),Æ‰oü□s(LF),ð]Ý'è,·,é

## **fefLfXfg ftf@fCf<,ð•\ž!,·,é**

‘—□M’O,âŽó□MŒä,Éftf@fCf<,ðf^□[f~fif<,]fEfBf“fhfE,É•\ž!,Å,«,Ü,·□B

## **fefLfXfg ftf@fCf<,ð•\ž!,·,é,É,í**

1. [“]’—]f□fjf...□[ ,ì[fefLfXfg ftf@fCf<,ì•\ž!]fRf}f“fh,ð’I,Ñ,Ü,·□B
2. [fhf%o]fCfu],ì^ê—,—,Æ[fffBfŒfNfgfŠ],ì^ê—,—,Å□AŒ©,éftf@fCf<,ì, ,éfhf  
%o]fCfu,ÆfffBfŒfNfgfŠ,ð’I,Ñ,Ü,·□B
3. ftf@fCf<-¼,ì^ê—,—,©,çŒ©,éftf@fCf<,ð’I,Ñ,Ü,·□B,Ü,½,í□AfefLfXfg f{fbfNfx,Éftf@fCf<-¼,ð”ü—  
í,μ,Ü,·□B
4. Še□s--,ì•œ<A(CR),]fR□[fh,ì, ,Æ,É%oü□s(LF),]fR□[fh,ð’C%oÁ,·,é,É,í□A[LF,ð•t%oÁ,·,é]f`fFfbfN  
f{fbfNfx,ðflf“,É,μ,Ü,·□B  
Še□s--,ì•œ<A(CR),]fR□[fh,ì, ,Æ,ì%oü□s(LF),]fR□[fh,ðŽæ,è□œ,,É,í□A[LF,ðŽæ,è□œ,]f`fFfbfN  
f{fbfNfx,ðflf“,É,μ,Ü,·□B
5. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·□B

ŠÖ~A□€-Ú

“]’—,ì^êžž’âž~□A□ÄŠ]□A’†ž~

fofCfifŠ ftf@fCf<,ð'–,é

fofCfjſ ftſ@fCf<,í]A[ Ÿ'è]f]fjſ... ſ[.í] [fofCfjſ ftſ@fCf<,í]"']'-•û-@]fRf}f"fh,Å Ÿ'è,µ,½fvf]fgfRf<,É],Á,Ä'-  
 M,³,é,Ü,·B

fofCfifŠ ftf@fCf<,ð'–,é,É,i

1. [“]’—]f□ff...□[.,í[fofCfjfŠ ftf@fCf<,í’—□M]fRf}f“fh,ð’I,Ñ,Ü,·□B
  2. [fhf‰oCfu],í^ê—,—,Æ[fffBfŒfNfgfŠ],í^ê—,—,Å□A’—,éftf@fCf<,í, ,éfhf‰oCfu,ÆfffBfŒfNfgfŠ,ð’I,Ñ,Ü,·□B
  3. ftf@fCf<⁻¹/₄,í^ê—,—,©,ç’—□M,·,éftf@fCf<,ð’I,Ñ,Ü,·□B,Ü,½,í□AfefLfXfg f{fbfNfX,Éftf@fCf<⁻¹/₄,ð“ü—í,μ,Ü,·□B
  4. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·□B

ŠÖ~A€-Ú

"]-,ì^êŽž'âŽ~■A■ÄŠJ■A'†Ž~

fofCfifS ftf@fCf<,ì“]’—•û-@,ð□Ý’è,·,é

“]’—,í^éžž’âž~■A■ÄŠJ■A’tž~

fefLfxfg ftf@fCf<,í“]’—,í^éžž’âž~■A■ÄŠJ■A’tž~„,Å,«,Ü,·■B,μ,©,μfofCfifS ftf@fCf<,í“]’—  
í’tž~„,Å,«,é,¾,¬,Å■A^éžž’âž~,Æ■ÄŠJ,í,Å,«,Ü,¹,ñ■B

“]’—,í^éžž’âž~■A■ÄŠJ■A’tž~„,ð,·,é,É,í

▶ [“]’—]f□fjf...■[,í][^éžž’âž~]■A■ÄŠJ■A[‘tž~],ífRf}f“fh,í,¢,,é,©,ð’I,Ñ,Ü,·■B  
,Ü,½,í■Af^■[f~fif<,ífEfBf“fhfE,í^é”Ö‰‰,É, ,é,»,é,¼,é,íf{f^f“,ðfNfSfbfN,μ,Ü,·■B

**ŽóΜff█[f^—p,í█V,μ,¢fefLfxfg ftf@fCf<,ð█ì,é**

**█V,μ,¢fefLfxfg ftf@fCf<,ð█ì,é,É,í**

1. [“]’—]f█ff...█[,í[fefLfxfg ftf@fCf<,íŽóΜ],ðŽÀ█s,μ,Ü,·█B
2. [fhf%o█Cfu],í^ê—,—Æ[fffBf█EfNfgfŠ],í^ê—,—Å█A█V,μ,¢ftf@fCf<,ð█ì,éfhf%o█Cfu,ÆfffBf█EfNfgfŠ,ð’I,Ñ,Ü,·
3. [ftf@fCf<—¼]fefLfxfg f{fbfNfx,Éftf@fCf<—¼,ð“ü—í,μ,Ü,·█B
4. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·█B

ŠÖ~A█€-Ú

“j—,í^êžž’âž~█A█ÄŠ█A’†ž~

**ŽóMff[f^,ð,·,À,É, ,éftf@fCf<,Éä',«,·,é**

**,·,À,É, ,éftf@fCf<,Éä',«,·,é,É,í**

1. [“]’—]fjjf...[],ì[feffLfXfg ftf@fCf<,ìŽóM]fRf}f“fh,ð’I,Ñ,Ü,·B
2. [fhf%oCfu],ì^ê—,Æ[ffffBfŒfNfgfŠ],ì^ê—,ÀAä’,«,³,ê,éftf@fCf<,ì, ,éfhf%oCfu,ÆffffBfŒfNfgfŠ,ð’I,Ñ,Ü,·B
3. ftf@fCf<-¼,ì^ê—,Àftf@fCf<,ð’I,Ñ,Ü,·B,Ü,½,íAfefLfXfg f{fbfNfX,Éftf@fCf<-¼,ð“ü—í,μ,Ü,·B
4. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·B
5. œ»‘¶,ìftf@fCf<,Éä’,«,·,é,©,ç,¤,©,ðŠm”F,μ,À,,é,ì,ÀA[,í,¢]f{f^f“,ðfNfŠfbfN,μ,Ü,·B

ŠÖ~A€-Ú

“]’—,ì^êžž’âž~AÄŠ]A’tž~

ŽóMff[<sup>f^</sup>,íAŽw'è,μ,½ftf@fCf<,Éñä,«,·,é,ì,Å,í,È,Aftf@fCf<,ìÅŒä,É'Ç‰Å,μ,Ü,·B

ftf@fCf<,É'Ç%oÁ,·,é,É,Í

1. [“]’—]f□fjf...□[,ì[fefLfXfg ftf@fCf<,ìŽó□M]fRf}f“fh,ð’I,Ñ,Ü,·□B
  2. [ftf@fCf<,É’Ç‰oÁ]f`fFfbfN f{fbfNfX,ðflf“,É,μ,Ü,·□B
  3. [fhf‰oCfu],ì^é—,—,Æ[fffBfŒfNfgfŠ],ì^é—,—,Å□A’Ç‰oÁ,·,éfefLfXfg ftf@fCf<,ì, ,éfhf‰oCfu,ÆfffBfŒfNfgfŠ,ð’I,Ñ,Ü,·□B
  4. ftf@fCf<-¼,ì^é—,—,Åftf@fCf<,ð’I,Ñ,Ü,·□B,Ü,½,í□AfefLfXfg f{fbfNfX,Éftf@fCf<-¼,ð“ü—í,μ,Ü,·□B
  5. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·□B

ŠÖ~A€-Ú

"]-,ì^êŽž'âŽ~■A■ÄŠJ■A'†Ž~

**fefLfxfg ftf@fCf<,ð•\Œ`Ž®,ÅŽóM,·,é**

,Q,Ä^Èä,ä,í~A'±,·,éfXfyÙfX,Ä<æÙØ,ç,ê,½ŽóÙMfefLfXfg,ìŠÓ,É,íÙAf^fu•¶Žš,¤'}“ü,³,ê,Ü,·ÙB

**fefLfxfg ftf@fcf<,ð•\Œ`Ž®, ÅŽóM,-,é,É,Í**

1. [“”—]f□fjf...□[,ì[fefLfXfg ftf@fCf<,ìŽó□M]fRf]f“fh,ð’I,Ñ,Ü,·□B
  2. [•i□”fxYg□[fx□”TAB]f` fFfbfN f{fbfNfX,ðflf“,É,μ,Ü,·□B
  3. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·

ŠÖ~A€-Ú

"J'—, j'êžž'âž~■A■ÄŠJ■A'†ž~

**ŽÓM,·,éfefLfXfg ftf@fCf<,í§ŒäfR[]fh,ðŽc,·**

f[]fh fvfvfZfbfT,âfXfvfŒfbfhfV[]fg fvfvfOf%of€,É,ÇA'½,-  
,jfvfvfSfp[]fvf,Å,íAfjf@fCf<,ðfefLfXfg,Æ,µ,Ä•Ü'¶,·,é,½,ß,¡fjfvfvf,ðŽg—p,Å,«,Ü,·ižóM'¤,Ü,½,í'—  
M'¤,¤'l'ð,Å,«,Ü,·jB,µ,©,µA^ê•”,jfefLfXfg ftf@fCf<,Å,íA,·,x,Ä,í'ž®fR[]fh,¤íœ,³,ê,Ä,¢,È,¢,±  
,Æ,¤,·,é,Ü,·B,±,¡fjfvfvf,ðŽg—p,·,é,ÆAžóMfefLfXfg ftf@fCf<,Éžc,³,ê,Ä,¢,éfR[]fh,ð•Ü'¶,Å,«,Ü,·B  
**§ŒäfR[]fh,ðŽc,·,É,í**

1. [“]’—]f[]ff...[],í[fefLfXfg ftf@fCf<,ížóM]fRf}f“fh,ð'l,ñ,Ü,·B
2. [§ŒäfR[]fh,ðŽc,·]f`fFfbfN f{fbfNfX,ðflf“,É,µ,Ü,·B
3. [OK]f{f^f“,ðfNfŠfbfN,µ,Ü,·B

ŠÖ~A¤€-Ú

“’—,í^éžž’âž~¤A¤Äš¤A’†ž~

## **f<sub>ofC</sub>fifS ftf@fCf<,ðŽóM,·,é**

f<sup>^</sup>[f~fif<,íA[Ý'e]f[]...[],í[f<sub>ofC</sub>fifS ftf@fCf<,í"]'-•û-@]fRf}f"fh,Å]Ý'e,μ,½fvf[]fgfRf<,É],Á,Äf<sub>ofC</sub>fifS ftf@fCf<,ðŽóM,μ,Ü,·B

## **f<sub>ofC</sub>fifS ftf@fCf<,ðŽóM,·,é,É,í**

1. ["]'-]f[]...[],í[f<sub>ofC</sub>fifS ftf@fCf<,ížóM]fRf}f"fh,ð'I,Ñ,Ü,·B
2. [fhf%oCfu],í^ê—,—Æ[ffffBfŒfNfgfS],í^ê—,—Å]Af<sub>ofC</sub>fifS ftf@fCf<,ð•Û'¶,·,éfhf %oCfu,ÆffffBfŒfNfgfS,ð'I,Ñ,Ü,·B
3. ftf@fCf<-¼,í^ê—,—Åftf@fCf<,ð'I,Ñ,Ü,·B,Ü,½,íAfeflfXfg f{fbfNfX,Éftf@fCf<-¼,ð"ü—í,μ,Ü,·B
4. [OK]f{f^f“,ðfNfŠfbfN,μ,Ü,·B  

,·,Å,É, ,éftf@fCf<-¼,ðŽw'e,μ,½,Æ,«,É,íSm" F,íf\_fCfAf[]fO f{fbfNfX,²•\ ŽI,³,ê,Ü,·BžóMff[]f^,ð,»]ftf@fCf<,É[]ä[],«,·,é,Æ,«,íA,à,¤^ê"x[OK]f{f^f“,ðfNfŠfbfN,μ,Ä,,³/4,³,¢B  
žóM't,É[]A'Ê[]MfGf%o[],É,æ,Á,Äff[]f^,í"]'-,ÉŽ,"s,·,é,±,Æ,², ,è,Ü,·B,»,í,Æ,«,ífzfXfg'¤ ,²,à,¤^ê"x'—,è'¼,μ,Ü,·B'—,è'¼,·%oñ"[]iXModem/CRC ,í[]ê[],í 20%oñ[]AKermit,í[]ê[],í,T %oñ[]j,¤Å'å,É'B,·,é,Æ[]Af^[]f~fif<,íftf@fCf<žóM,ð'tž~,μ,Ü,·B
5. žóM,ð'tž~,·,é,Æ,«,íA['tž~]f{f^f“,©[]A["]-]f[]fj...[],í['tž~]fRf}f"fh,ð'I,Ñ,Ü,·B

f<sub>ofC</sub>fifS ftf@fCf<,í"]'-,Å,í^êž'âž~,Æ[]ÄŠJ,í,Å,«,Ü,¹,ñB

f<sub>ofC</sub>fifS ftf@fCf<,ížóM,Å-â'è,²"¶,μ,½[]ê[],íAfzfXfg fRf"fsf...[]f^,ÅŽg—p,³,ê,Ä,¢,È,¢"]'- fvf[]fgfRf<,ðŽw'e,μ,½%oÅ"[]«,², ,è,Ü,·Bfvf[]fgfRf<,ð•í[]X,·,é,É,íA[f<sub>ofC</sub>fifS ftf@fCf<,í"]'-•û-@]fRf}f"fh,ðŽg—p,μ,Ü,·B

ŠÖ~A[]€-Ú

f<sub>ofC</sub>fifS ftf@fCf<,í"]'-•û-@,ð]Ý'e,·,é

**‘I’δ,μ,½•¶Žš,ðfzfXfg fRf“fsf...□[f^,É’—,é**

‘I’δ,μ,½fefLjfXfg,ðfzfXfg fRf“fsf...□[f^,É’—,é,É,í□A[‘I’δ,μ,½”í^í,í’—□M]fRf}f“fh,ðŽg—p,μ,Ü,·□B,±,ífRf}f“fh,í□A[fRfs□□]fRf}f“fh,Æ[“\,è•t,~]fRf}f“fh,ð’g,Y□‡,í,¹,ÀŽg—p,·é,í,Æ“~,¶,À,·□B

**fefLjfXfg,ð’—,é,É,í**

1. ‘—,é•¶Žš,ð’I,Ñ,Ü,·□B

2. [•Ò□W]f□jf...□[,í[‘I’δ,μ,½”í^í,í’—□M]fRf}f“fh,ð’I,Ñ,Ü,·□B

‘I,ñ,¾fefLjfXfg,äfNfŠfbfvf{□[fh,ÉfRfs□□,³,ê□A’±,¢,ÀfzfXfg fRf“fsf...□[f^,É’—,ç,ê,Ü,·□B

ŠÖ~A□€-Ú

fNfŠfbfvf{□[fh,í“à—e,ð’—□M,·é

Žóℳ,μ,½“à—e,ð^óü,·,é

Žóℳ,μ,½“à—e,ð^óü,·,é,É,í

1. [ØÝ'è]fØff...Ø[,ì[’Éℳ“à—e,ðfvfŠf“f^,Éo—í]fRf}f“fh,ð'l,Ñ,Ü,·ØB

Žóℳ,μ,½“à—e,¤,·,×,ÃfvfŠf“f^,É'¼ØÚ'—,ç,ê,Ü,·ØB

2. Žóℳ,μ,½“à—e,¤1fyØ[fW-¢-ž,ì'·,³,ÅØAfvfŠf“f^,©,ç,»,ìfyØ[fW,ðŽæ,èØo,·,Æ,«,íØA,à,¤^é“x[’Éℳ“à—e,ðfvfŠf“f^,Éo—í]fRf}f“fh,ð'l,Ñ,Ü,·ØB

**fefLfxfg ftf@fCf<,ðŽó|M,·,é--šT—v**

fefLfxfg

ftf@fCf<,ðŽóM,,·,é,Æ,«,ÍóA,»,í'Ó,É'ÉÓMðŒ®,ð'l'ð,µ,Á,„,©,È,\_,é,Í,È,è,Ü,¹,ñÓB,»,íŒäÅAŽÓMÍ•ñ,íSÇ—  
»·,û-@,ð»'f,µ,È,\_,é,Í,È,è,Ü,¹,ñÓBfefLjFxfgÍ•ñ,ðç³Sm,ÉŽÓM,,é,É,ÍÅAŽÝ,`l'€Ù,·K—v,Å,·ÓB

▪ [OY'è]f○fif...[l, l]fe[l]Xfg ft@fCf, l' ]'-•Ü-@]frf]f"fh, ðzg-p, μ, ÄAftf○f○[sçäOY'è, δ'l'δ, μ, Ü, ·B

■ "]-]f[]ff...[],[fefLfxgf ftf@fCf.,iZÓM]fRf}f"fh,ðZg—p,p.ÁAZÓMff[]f^,ð,ç,±  
É.Ü'14 É.Ü'14 É.Ü'14 É.Ü'14 É.Ü'14 É.Ü'14 É.Ü'14 É.Ü'14

,E•U•|;,e,©,ðw'e,µ,U,·|Bjt|f^,|lV,µ,cjt@fC<sub>k</sub>,E•U•|,A,«|ASu·|,jt@fC<sub>k</sub>,E|a|,«,·,e,±Æ à Å “ Ü ·|B Ü ½|AŠ|“|ftt@fcC<sub>k</sub> |nÅ|Æ Ä E'C%Å : é + Æ à Å “ Ü ·|B

• ŽóñMfeflfXfq ftf@fCf. ÉñL^~. ê. Ä. ç. é. %ñA"ñ«. ]. éñSæäfBñfh. ]

• @,đŽw'è,µ,Ü,·•B[feſLfxfg ftf@fCf<,jŽÓM]f fcFafſfo o f{fbfNfx,¡‰‰E‰‰o÷,©,ç"KQ

$\frac{3}{4}, \frac{1}{4}$ ,  $\frac{3}{4}, \frac{1}{4}$  B

[fefLfxfg ftf@fCf<,ižó|M]f\_fCfAfO

f{fbfNfx, ©, ç“KØØ, Èf{fbfNfx, ð'l'ð, µ, ½ŒäØA[OK]f{f^f“, ðfNfŠfbfN, µ, ÄfefLfXfg

ftf@fCf<,íŽó M,ðŠJŽn,µ,Ü,· B

ŠÖ~A€-Ú

Ú'±, ðŠJŽn, ·, é--ŠT—v

**fefLfxfg ftf@fCf<,ð'–,é--šT–v**

fefLfxfg ftf@fCf<,ð'—,é,Æ,«,íÓA»,)’O,É’ÈMØðCEØ,ð'l'ð,μ,È,¬,é,î,È,è,Ü,¹,ñØB,»),íCæØA’—ØM,·,éffØ[f^,íSØ  
——•û-@,ð”»'f,μ,È,¬,é,î,È,è,Ü,¹,ñØBfefLfxfgØ®•ñ,ðØ³Sm,É’—ØM,·,é,È,íØAŽÙ,ì“€Ø,·,·K—v,Å,·,·ØB  
[ØY’è]fØffj...[],ì[fefLfxfg ftf@fCf<,ì“]’—•û-@]fRf}f“fh,ðZg—p,μ,ÄØAftfØØ[ØSØæØY’è,ð'l'ð,μ,Ü,·,·ØB  
fefLfxfg fGffffBfØ,Ü,½,ífØØfjh fvfØfZfbfT,ðZg—p,μ,ÄØiØ¬,μ,½ftf@fCf<,ð’—ØM,·,éØêØ‡,È,íØA[‘—  
MŽž,É%øÙsFØ[fh,ð“ü,é]f!fvfVf†f”,ðØY’è,μ,Ü,·,·ØB  
[ØY’è]fØffj...[],ì[‘[–,íØY’è]fRf}f“fh,ðZg—p,μ,ÄØAfzfXfg fRf“fsf...[]f^,ìØY’è,ÉØ].Á,Ä•œ<A(CR),Æ  
‰øÙs(LF),ðZw’è,μ,Ü,·,·ØB  
[“]’—]fØffj...[],ì[fefLfxfg ftf@fCf<,ì“—ØM]fRf}f“fh,ðZg—p,μ,ÄØA’—  
ØM,·,éftf@fCf<,íS”[ØéØS,ðZw’è,μ,Ü,·,·ØB  
[fefLfxfg ftf@fCf<,ì“—ØM]f\_fCfAfØfO f{fbfNfX,Å“KØØ,É’l'ð,μ,½CæØA[OK]f{f^“,ðfNfØfbfN,μ,ÄfefLfxfg  
ftf@fCf<,ì“—ØM,ðSØžN,μ,Ü,·,·ØB

ŠÖ~A□€-Ú

Ú'±,ðŠJŽn,·,é--ŠT—v

Ú‘±,đŠJŽn,·,é--ŠT—v

‘½,ìfRf“fsf...[]f^,ÆØÚ±,μØAØ†•ñ,ðŒðŠ·,é,Æ,«,íØA,»,í’O,ÉŠi-  
{’ÈØMØðŒø,ðØÝ‘è,μ,È,-,é,î,È,è,Ü,¹,ñØB’ÈØMØðŒø,ðØÝ‘è,·,é,ÍØA[fjf@fCf<]fØjf...  
[],ì[ØV<KØìØ¬]fRf}f“fhØA,Ü,½,í[ŠJ,]fRf}f“fh,ðŽg—p,μ,Äf^[]f~fif<  
ftf@fCf<,ðØV<KØìØ¬,·,é,©ØA,Ü,½,íSù’¶,ìftf@fCf<,ðŠJ,«,Ü,·ØB,»,ìCEäØAØV,μ,çf^[]f~fif<  
ftf@fCf<,ðØìØ¬,·,é,Æ,«,ÍØA[ØÝ‘è]fØjf...[],ìfRf}f“fh,ðŽg—p,μ,Äfpf%ofo[]f^,ð’l’ð,μ,È,-,é,Ü,¹,ñØBfzfXfg  
fRf“fsf...[]f^,ÆØ³,μ,‘ÈØM,·,é,É,íØAŽÝ,í’ëØ,¤·K—v,Å,·ØB  
[’ÈØMØðŒø,ØÝ‘è]f\_fCfAfØf{fbfNfx,Å’ÈØMfLfVfvFftf“,ðŽw’è,μ,Ü,·ØB  
[f,ffff,ìfRf}f“fh,ìØY‘è]f\_fCfAfØfO f{fbfNfx,Åf,ffff,ìfRf}f“fh,Æf,ffff,e,íZí—p,ðŽw’è,μ,Ü,·ØB  
[’l’--fGf~f\_fCfØf{fvFftf“,l’l’ð]f\_fCfAfØfO f{fbfNfx,ÅfGf~f\_fCfØfqa :í’l’--l’Zí—p,ðŽw’è,μ,Ü,·ØB

“KØØ,È’ÈØMØðŒØ,ð’I’ð,µ,½ŒæØA[“d~b”fØfjf...Ø],Ø,c[f\_fCf,f<]fRf}f“fh,ð’I’ð,·,é,±,Æ,É,æ,èØAfzfXfg  
fRf“fsf...Ø[f^,ÉØÚ±  
,Å,«,Ü,·ØBf|fv|Vf|f“ØY’è,ð•ïØX,µ,Äf^Ø[f~fif<,ìØY’è,ð,³,ç,É•ïØX,·,éØêØ‡,íØAf^Ø[f~fif<,ìfwf|fv,ì-  
ÚZØ,ì|f|fv|Vf|f“<@”\,]%,ø,ìfgf|fbfN,ðZQØÆ,µ,Ä,³/4,³,çØB

ŠÖ~A€-Ú

~~fefLfXfg ftf@fCf<,ðŽó□M,·,é--ŠT—v~~

fefLfxfg ftf@fCf<,ð'–,é--šT—v

fofCfifŠ ftf@fCf<,l“]‘—•û-@,ð Ý'è,.,é

**‘I’δ,μ,½fefLfXfg,δ^óü,·,é**

f^ó[f~fif< fEfBf“fhfE,Ü,½,ífXfNf@@[f< fofofbftf@,©,ç’l’δ,μ,½fefLfXfg,δ^óü,·,é,Æ,«,íA'ÊMfZfbfVf#f“,δ]I—  
¹,Å,«,éó’Ô,É,È,é,Ü,Å’Ô,Å,ì,aÅ“K,Å,·]B

**Žó]M,Ü,½,í“ü—í,μ,½fefLfXfg,δ^óü,·,é,É,í**

1. ^óü,·,é•¶žš,δ’l’δ,μ,Ü,·]B

fEfBf“fhfE,ÆfXfNf@@[f< fofofbftf@,l”à—e,·,x,Ä,δ’l’δ,·,é,Æ,«,íA[•Ò]W]f]fj...  
|[,ì[.,·,x,Ä,]”í^í,δ’l’δ]fRf}f“fh,δ’l,Ñ,Ü,·]B

2. [•Ò]W]f]fj...|[,ì[fRfs|[ ]fRf}f“fh,δ’l,Ñ]A’l’δ,μ,½fefLfXfg,δfNfŠfbfvf{|[fh,ÉfRfs|[,μ,Ü,·]B

3. f@@[fh fvfvfZfbfT,Ü,½,ífefLfXfg fGfffBf^,]fAfvfŠfp|[fvf#f“,δŠJžn,μ,Ü,·]B  
%ofCfg,âf]f,’ ,È,Ç]AWindows ,Ü,½,í Windows NT ,δ’l,Ü,É]YŒv,³,ê,½fAfvfŠfp|[fvf#f“,δžg—p,μ,Ä,-  
,³/4,³,¢]B

4. fNfŠfbfvf{|[fh,]”à—e,δfefLfXfg ftf@fCf,É“\,è•t,\_,Ü,·]B

5. fAfvfŠfp|[fvf#f“,ì[ ^óü]fRf}f“fh,δžg—p,μ,Ä]A’l’δ,μ,½fefLfXfg,δ^óü,μ,Ü,·]B

ŠÖ~A]€-Ú

fefLfXfg ftf@fCf,δ•ž!,·,é

fNfŠfbfvf{|[fh,É•žš,δfRfs|[,·,é

**f^[]f~fif< ftf@fCf<,ð•Û'¶,·,é**

ŽŶ,ì'Ê[]MfZfbfVftf",ÅÄ—~—p,Å,«,é,æ,¤,É[]Af^[]f~fif<,ìŶ'è,ð•Û'¶,Å,«,Ü,·[]B

**f^[]f~fif< ftf@fCf<,ð•Û'¶,·,é,É,i**

► [ftf@fCf<]f[]fif...[][],ì[ã],«•Û'¶]fRf}f“fh,ð'l,Ñ,Ü,·[]B  
,±,ê,Ü,Å,ìŶ'è,ð•Û'¶,µ,Å,¢,È,¢ê‡,É,í[]Af\_fCfAf[]fO f{fbfNfX,³,ê[]A,»,±,Åf^[]f~fif<  
ftf@fCf<,ð•Û'¶,·,éfhf%oCfu[]AfffBfŒfNfgjŠ[]Aftf@fCf<-¼,ðŽw'è,Å,«,Ü,·[]Bftf@fCf<,ìŽí—  
þ,ðŽw'è,µ,È,©,Å,½,Æ,«,í[]Aftf@fCf<,ìŽí—þ,Æ,µ,Å .TRM ,³Š,,è“-,Å,ç,ê,Ü,·[]B

f^[] [f~fif<,ð] l—¹,·,é

f^[] [f~fif<,ð] l—¹,·,é,É,l

1. [ftf@fCf<]f[]fjf...[],[f^[] [f~fif<,l] l—¹]fRf}f“fh,ð'l,ñ,ü,·]B

Œ»]Y,]f^[] [f~fif< ftf@fCf<,ð•]X,μ,½Œä]A•Û'¶,μ,Ä,¢,È,c]ê]‡,É,í]A•]XŒ<%oÈ,ð•Û'¶,·,é,©,Ç,¤  
,©,ð,½,,È,éf]fbfZ[]fW,²•]Ž!,³,ê,Ü,·]B

2. “K]Ø,Èf{f^f“,ð'l,ñ,Å,,³/⁴,³,¢]B

f^[f~fif< ftf@fCf<,ðŠJ,

V,µ,¢f^[f~fif< ftf@fCf<,ð]i~-,·,é,É,i  
► [ftf@fCf<]f[fjf...][V<K]i~-[jRf}f“fh,ð'l,N,Ü,·B  
'E]íZg,xY'è,[A]U'±æ,lfzfxfg fRf“fsf...[f^,É'‰ž,·,é,æ,x,É•iX,µ,È,¢ŒÀ,èA•iX,³,ê,Ü,¹,ñB

**O,Éžg—p,µ,½f^**[f~fif< ftf@fCf<,ðŠJ,,É,i

1. [ftf@fCf<]f[fjf...][ŠJ,jRf}f“fh,ð'l,N,Ü,·B
2. .TRM ftf@fCf<,‰ši”[,³,ê,Ä,¢,éfhf‰fCfu,Ü,½,ífffBfŒfNfgfŠ,ð'l'ð,µ,Ä,,³/₄,³,¢B
3. [ftf@fCf<-¹/₄],)^ê—,Åžg—p,·,é .TRM ftf@fCf<,ð'l'ð,µ,Ü,·B
4. [OK]f{f^“,ðfNfŠfbfN,µ,Ü,·B

ŠÖ~A€-Ú

f^[f~fif< ftf@fCf<,ð•Ü'¶,·,é

**fNfŠfbfvf{[]}fh,É•¶Žš,đfRfs[],·,é**

**fNfŠfbfvf{[]}fh,É•¶Žš,đfRfs[],·,é,É,í**

1. fRfs[],·,é•¶Žš,đ'í,đ,μ,Ü,·B

2. [•Ò]W]f[]fjf...[],[i[fRfs[]]fRf}f“fh,đ'í,Ñ,Ü,·B

'í,đ,μ,½•¶Žš,đfRfs[],μ,½Œä]A["\,è•t,¬]fRf}f“fh,đŽg—p,μ,Ä]A,»,i•¶Žš,đ'}“ü,Å,«,Ü,·B

ŠÖ~A]€-Ú

**fNfŠfbfvf{[]}fh,i“à—e,đ’—M,·,é**

**fNfŠfbfvf{[]}fh,í“à—e,ð‘—M,·,é**

**fNfŠfbfvf{[]}fh,©,çfefLfxfg,ð“\,è•t,\_,é,Æ[]AfNfŠfbfvf{[]}fh,í“à—e,)fRfs[],^fzfXfg fRf“fsf...[]f^,É‘—M,³,ê,Ü,·BfNfŠfbfvf{[]}fh,í“à—e,í•í[]X,³,ê,Ü,¹,ñ[]B**

**fNfŠfbfvf{[]}fh,í“à—e,ðfzfXfg fRf“fsf...[]f^,É‘—M,·,é,É,í**  
► [•Ô[]W]f[]fj...[][,í“\,è•t,\_]fRf}f“fh,ð’I,Ñ,Ü,·[]B

,·,×,Ä,ìfefLfXfg,ð'í'ð,·,é

[·,·,×,Ä,ì"í^í,ð'í'ð]fRf}f"fh,ðZg—p,·,é,AEØAf}fEfX,Ü,½,ífL[]f{[]fh,Åf^[]f~fif< fEfBf"fhfE,AEfXfNf[]][f< fofofbftf@,ì"à—

e'S•",ð'í'ð,·,é'€[],Æ"~,¶Œ<%oÊ,É,È,è,Ü,·[]BfefLfXfg,ð'í'ð,μ,½Œä[]A,»],ìfefLfXfg,ðfRfs[],Ü,½,í'—  
ØM,Å,«,Ü,·[]B

f^[]f~fif< fEfBf"fhfE,AEfXfNf[]][f< fofofbftf@,ìfefLfXfg,ð,·,x,Ä'í'ð,·,é,É,í  
► [•Ø[]W]f[]fif...[][],ì[·,·,x,Ä,ì"í^í,ð'í'ð]fRf}f"fh,ð'í,Ñ,Ü,·[]B

## **fobftf@,ðfNfŠfA,·,é**

fEfBf“fhfE,Éši”[.Å,«,é—Ê,æ,è’½,,lfeflfXfg,ð“ü—í,Ü,½,ížóM,·,é,ÆA,»,lfeflfXfg,ífobftf@,É’—,ç,ê,Ü,·B,·,Å,É“ü—í,Ü,½,ížóM,μ,½feflfXfg,ð’OŒä,É’U”®,μ,½,èA•žl,·,é,É,íAfXfNf[]f<fo[],ðžg—p,μ,Ü,·Bfobftf@,ðfNfŠfA,μ,ÄAfobftf@,žg—p,μ,Ä,¢,½f[]f,fS<ðšö,ðA—~—p,Å,«,é,æ,¤,É,μ,È,~,é,î,È,ç,È,¢,±,Æ,¤, ,è,Ü,·B

**•tfXfNf[]f<,l,½,B,lfobftf@,ÆEfEfBf“fhfE,l“à—e,ðfNfŠfA,·,é,É,í**

► [•ðW]f[]fj...[],l[fobftf@,ífNfŠfA]fRf}f“fh,ð’l,ñ,Ü,·B  
,±,l’€[],ðžA[]s,·,é,ÆAf^[]f~fif< fEfBf“fhfE,l“à—e,Æfobftf@,lfeflfXfg,ífNfŠfA,³,ê,Ü,·B

šö~A[]€-Ú

fobftf@,l[]s[],ð[]Y’è,·,é

fXfNf[]f<fo[],ð•žl,·,é

f^□[f~fiſ<,iſwf<fv



-Ú“I

■ □Ú'±,iſZn  
■ □Ú'±,ðſZn..é--ŠT--v  
■ f^□[f~fiſ< ftf@fCf<,ðſ]  
■ 'E□M□ðCE□,ð□Y'è.,é  
■ fffff€,iſRf}f"fh,ð□Y'è.,é  
■ 'l--fGf~f...fCE□[fVfFf",ð□Y'è.,é  
■ "d~b"Ô□t,ð□Y'è.,é  
■ fzfxfg fRf"fsf...□[f^,É□Ú'±.,é  
■ 'E□MZžSÖ,ðCEv,é  
■ feſLfXfg ftf@fCf<,l"l--  
■ feſLfXfg ftf@fCf<,ðZó□M.,é--ŠT--v  
■ feſLfXfg ftf@fCf<,ð'--,é--ŠT--v  
■ feſLfXfg ftf@fCf<,ð'--,é  
■ feſLfXfg ftf@fCf<,ð•W□€ftf□□[§CEä,Å'--,é  
■ feſLfXfg ftf@fCf<,ð'ë"x,É1•¶Zš,,Å'--,é  
■ feſLfXfg ftf@fCf<,ð'ë"x,É1□s,,Å'--,é  
■ •æ<A(CR),Æ%ooü□s(LF),ð□Y'è.,é  
■ feſLfXfg ftf@fCf<,l--□Mžž,¡%ooü□s,ð□Y'è.,é  
■ "l--,l'ëZž'âZ~□A□ÄSJ□A'tZ~  
■ Zó□Mff□f^--p,ìV,μ,çfeſLfXfg ftf@fCf<,ð□l,é  
■ Zó□Mff□f^,ðfeſLfXfg ftf@fCf<,É'C%ooÅ,é  
■ Zó□Mff□f^,ð..Å,É,éftf@fCf<,É□ä□',  
■ feſLfXfg ftf@fCf<,ð'ë"x,É`Z®,ÅZó□M.,é  
■ Zó□M.,éfeſLfXfg ftf@fCf<,l§CEäfR□fh,ðžc,  
■ foſCfifS ftf@fCf<,l"l--  
■ foſCfifS ftf@fCf<,l"l--•û-@,ð□Y'è.,é  
■ foſCfifS ftf@fCf<,ð'--,é  
■ foſCfifS ftf@fCf<,ðZó□M.,é  
■ f^□[f~fiſ< fEfBf"fhfE,feſLfXfg,l'€□  
■ feſLfXfg ftf@fCf<,ð•\Zl,é  
■ fNjŠfbfvf{□[fh,É•¶Zš,ðfRfs□l,é  
■ fNjŠfbfvf{□[fh,l"à-e,ð'--□M.,é  
■ 'l'ð,μ,½•¶Zš,ðfzfxfg fRf"fsf...□[f^,É'--,é  
■ ..x,Å,ìfeſLfXfg,ð'l'ð,é  
■ foſbftf@,ðfNfŠfA,é  
■ □l•ñ,ì ó ü  
■ Zó□M,μ,½"à--e,ð'óñü,é  
■ 'l'ð,μ,½feſLfXfg,ð'óñü,é  
■ flfvfVftf"(<@")  
■ 'l--f,□[fh,ð□Y'è.,é  
■ %ooæ-É,ìCE...ñ,ð□Y'è.,é  
■ ftfHf"fg,ð'l,Ó  
■ •È,ìCE¾CEé,ì•¶Zš,Å•\Zl,é  
■ Š,ŽšfVftfgfR□[fh,ð□Y'è.,é  
■ Vfrfbfg"l'-Zž,ì,r,h□^,r,n§CEä,ð-LCEø,É,é  
■ fXfNf□□[f< fo□l,ð•\Zl,é  
■ foſbftf@,l□s□,ð□Y'è.,é  
■ "ÅŽé,ÉfL□l,ì<@"\,ð□Y'è.,é  
■ ftf@f"fnfvftf" fL□l,É•¶Zš—ñ,ðS,,è"-,Å,é  
■ ftf@f"fnfvftf" fL□l,ðžg—p,é  
■ ftf@f"fnfvftf" fL□l,ì•\Zl,ð□Ø,è'Ö,ì,é  
■ □Ú'±,ìlI—¹

fzfXfg fRf"fsf...[f^,Æ,]Ú'±,ðØ,é  
f^[]f~fif< ftf@fCf< ð•Ú'¶,·,é  
f^[]f~fif< ð[]—¹,·,é

### **fRf}f"fh**

f^[]f~fif< ,fRf}f"fh  
[ftf@fCf< ]f[]fif...[],fRf}f"fh  
[•Ó[W]f[]fif...[],fRf}f"fh  
[“d~b]f[]fif...[],fRf}f"fh  
[ÓY'è]f[]fif...[],fRf}f"fh  
[“l’—]f[]fif...[],fRf}f"fh

$f^{\wedge} \exists [f \sim f_1 f_2, \exists f_1 f_2 < fv]$

-Ú“I

- Ú'±, ðSJžn
- Ú'±, ðSJžn, :é-ŠT-v
- f^□[f~fif< ftf@fCf<, ðSJ̄,
- 'È□M□ðCÉ□, ðØY'è, :é
- f,fff€, ¡fRf} f"fh, ðØY'è, :é
- 'l~-fGf~f...fCÉ□[fVf#f", ðØY'è, :é
- "d~b" Ó□t, ðØY'è, :é
- fzfXfg fRf"fsf...□[f^, É□Ú'±, :é
- 'È□MŽzSÔ, ðCÉv, é
- fefLfxfg ftf@fCf<, ¡"j'-
- fofCfifSftf@fCf<, ¡"j'-
- f^□[f~fif< fEfBf' fhfE, ¡fefLfxfg, ¡"€□í
- í]·ñ, í`óü
- f1fvfVftf"  
“<@”\
- Ú'±, ì]I-<sup>-1</sup>

fRf}f“fh

■  $f^{\wedge} \exists [f \sim f \wedge, \exists f R f] f = f h$

f^[]~f~fif<,jf wf<fv

—

-Ú“I

—Ú'±,jŠJŽn  
feflfXfg ftf@fCf<,j"l"—  
feflfXfg ftf@fCf<,ðžó[M,:é--ŠT—v  
feflfXfg ftf@fCf<,ð'—,é--ŠT—v  
feflfXfg ftf@fCf<,ð'—,é  
feflfXfg ftf@fCf<,ð•W[€ftf[]][§Œä,Å'—,é  
feflfXfg ftf@fCf<,ð^é"x,É1•lZš,,Å'—,é  
feflfXfg ftf@fCf<,ð^é"x,É1lS,,Å'—,é  
œ<A(CR),Æ‰oüS(LF),ð[Y'è,.;é  
feflfXfg ftf@fCf<,l'—Mžž,¡‰oüS,ð[Y'è,.;é  
"l—,j^éžž'âž~[A]ÄŠ][A'ž~  
žó[Mff][f^—p,]V,μ,cefeflfXfg ftf@fCf<,ðl,é  
žó[Mff][f^,ðfeflfXfg ftf@fCf<,É'C‰oÅ,.;é  
žó[Mff][f^,ð..,Å,É,;éftf@fCf<,Élål',.;é  
feflfXfg ftf@fCf<,ð•\€ž®,Åžó[M,.;é  
žó[M,.;éfeflfXfg ftf@fCf<,l§ŒäfR[]fh,ðžc,  
fofcflfS ftf@fCf<,l'"—  
f^[]f~fif< fEfBf"fhfE,feflfXfg,l'€[]  
l^•ñ,l^óü  
fifvfVftf"‘<@”\  
—Ú'±,l[l—<sup>1</sup>

**fRf}f"fh**

f^[]~f~fif<,jf Rf}f"fh

$f^{\wedge} \exists [f \sim f_1 f_2, \exists f_1 f_2 < fv]$

1

-Ú“I

- U'±, iSJŽn
- fefLfxfg ftf@fCf<.)" ]'—
- fofCfifS ftf@fCf<," ]'—
- fofCfifS ftf@fCf<," ]'—• Ú—@, ðÝ' è, .é
- fofCfifS ftf@fCf<, ð—, é
- fofCfifS ftf@fCf<, ðZóM, .é
- f^□[f~fif< fEfBf"fhfE, lfefLfxfg, l'€□]
- i•ñ, ^óü
- flfvfVf{“<@”\
- U'±, iñl—<sup>1</sup>

fRf}f“fh

■  $f^{\wedge} \Box [f \sim f \wedge f <_i \Diamond R f] \Diamond f = f$

f^□[f~fiſ<,iſwf<fv

■

-Ú“I

■ □Ú'±,iſjžn  
■ ſeflfxfg ftf@fCſ<,i“l’—  
■ ſofCſſſ ſtf@fCſ<,i“l’—  
■ f^□[f~fiſ< fEfBf“fhfE,ſefLfxfg,i‘€□í  
■ ſeflfxfg ftf@fCſ<,ð•\žl,·é  
■ fNfSfbfvf {□[fh,É•\žš,ðfRfs□l,·é  
■ fNfSfbfvf {□[fh,í“à—e,ð’—□M,·é  
■ ‘l’ð,μ,½•\žš,ðfzfxfg fRf“fsf...□[f^,É’—,é  
■ ‘·x,À,ſefLfxfg,ð’l’ð,·,é  
■ ſofbftf@,ðfNfSfA,·,é  
■ □í•ñ,í ó□ü  
■ flfvfvft“<@”\  
■ □Ú'±,i□l—¹

**fRf}f“fh**

■ f^□[f~fiſ<,iſRf}f“fh

f^[]{f~fif<,ifw{<fv

  

**-Ú“I**

  Ú'±,šžn  
  feflfXfg ftf@fCf<,)“l’—  
  fofCfifS ftf@fCf<,)“l’—  
  f^[]{f~fif< fEfBf“fhfE,ifefLfXfg,)“®[]  
  ú•ñ,l’óü  
  žóM,μ,½“à—e,ð^óü,·é  
  ‘ð,μ,½fefLfXfg,ð^óü,·,é  
  flfvfvft“<@”\  
  Ú'±,í[]—¹

**fRf}f“fh**

f^[]{f~fif<,ifRf}f“fh

$f^{\wedge} \exists [f \sim f_1 f_2, f_1 f_2 \in fv]$

1

-Ú“|

- █Ú'±,Íš]žn
  - fefLfxfg ftf@{fcf,}“]’—
  - fofCfifS ftf@{fcf,}“]’—
  - f^█[f~fif< fEfBf“fhfE,lefefLfxfg,]‘€█
  - █í•ñ,í^óü
  - flfvfVftf“<@”
  - ’l--f,█fh,ð█Y’è,.,é
  - %oæ-É,í█...█”,ð█Y’è,.,é
  - ftfHf“fg,ð’l,Ô
  - •E,í█¾█Eè,í•¶žš,Å•\žl,.,é
  - Š;žšfvftfgfR█fh,ð█Y’è,.,é
  - ,Vfrfbfg”l—žž,í,r,h█^,r,n█§█ä,ð—L█Eø,É,.,é
  - fxFNf█[f< fo█l,ð\žl,.,é
  - fofbftf@,í█s█”,ð█Y’è,.,é
  - “Ažé,Éf█l,í<@”,ð█Y’è,.,é
  - ftf@{“fNfVftf“ fl█l,É•¶žš—ñ,ðš,,è”—,Ä,é
  - ftf@{“fNfVftf“ fl█l,ðžg—p,.,é
  - ftf@{“fNfVftf“ fl█l,í•\žl,ð█Ø,è’Ö,!,é
  - █Ú'±,Í█—

fRf}f“fh

- f^□[f~fif<,lfRf}f“fh

**f^□[f~fif<,ifwf<fv**

█

-Ú“I

█ □Ú'±,iSJŽn  
█ feflfXfg ftf@fCf<,i"l'-  
█ foCfifS ftf@fCf<,i"l'-  
█ f^□[f~fif< fEfBf“fhfE,ifefLfXfg,i'€□ì  
█ □í•ñ,l' ó□ü  
█ flfvfVftf“<@"\

█ □Ú'±,i□l-  
█ fzfxfg fRf“fsf...□[f^,Æ,i]□Ú'±,ð□Ø,é  
█ f^□[f~fif< ftf@fCf<,ð•Ú'¶,·,é  
█ f^□[f~fif<,ð□l-<sup>1</sup>,·,é

**fRf}f“fh**

█ f^□[f~fif<,ifRf}f“fh

$f^{\wedge} \exists [f \sim f_1 f_2, \exists f_1 f_2 < fv]$

1

-Ú“I

- U' +, iSJZn
- fefLfxfg ftf@fCf<, i"l"-
- fofCfifS ftf@fCf<, i"l"-
- f^□f-fif< fEfBf' fhfE, i fefLfxfg, i'€□i
- i^oñ, i^óüü
- flfvfVf#“<@”\
- U' +, i□l-<sup>1</sup>

fRf}f“fh

```
[f^□[f-fif1,]fRf{}`fh  
[ftf@fCf<]f□fif...□[,]fRf{}`fh  
[•Ö□W]f□fif...□[,]fRf{}`fh  
["d~b"]f□fif...□[,]fRf{}`fh  
[[Y]è]f□fif...□[,]fRf{}`fh  
[""—]f□fif...□[,]fRf{}`fh
```

