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Ⓜ@ⓂŹŃ,<sup>1</sup>

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Ⓜ@ĀŸⓂō

Ⓜ@ŽŸ(Ⓜ«),ōĀŸⓂō

Ⓜ@'O(Ⓜª),ōĀŸⓂō

Ⓜ@fŠfAf<f^fCf€ĀŸⓂō

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Ⓜ@fefLfXfg,ìⓂæ“ª,Ö

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Ⓜ@f^fRf^fCf<•\Ž!

Ⓜ@fJfXfPⓂ[fh•\Ž!

Ⓜ@fAfCfRf“ⓂÄ’z’u

Ⓜ@fEfCf“fhfE,ìⓂØ’Ö,ì

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Ⓜ@fefLfXfg,ì“ňⓂd%oo»

Ⓜ@fEfCf“fhfE,ì“~ŽžfXfNfⓂⓂ[f<





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☐V,μ,☐ftf@fCf<,☐ì☐¬,μ,Û,·☐B



• Ò□W, ·, éfefLfXfg, đŠJ, «, Ü, ·□B

• i□", ìfefLfXfg, đ" Žž, ÉŠJ, «, ½, ç□ê□‡, íŽŸ, ì, æ, x, É, μ, Ä%°°, ³, ç□B  
Šg'£f\_fCfAf□fO□A<α'Êf\_fCfAf□fO, ç, Ā, ê, Ā, à, Ā, «, Ü, ·□B

**CTRLfL□□** , đ%°Ÿ, μ, ĀŠJ, «, ½, çftf@fCf<-¼, đf}fEfX, ĀfNfŠfbfN, ·, é, Æ•\  
Ž!, ðŽŸ□X, Æ"½"

, μ'í'đ, ³, ê, Ü, ·, ì, Ā□A, » , ìĀě, n, jf{f^f", đfNfŠfbfN, ·, é, ©fŠf^□[f"fL□□, đ  
%°Ÿ, ³, ê, é, Æ'í'đ, ³, ê, Ā, ç, é, ·, x, Ā, ìftf@fCf<, đ^ê"x, ÉŠJ, Ž-, ð, Ā, «, Ü, ·□B

**CTRLfL□□** , Ā, í, È, **SHIFTfL□□** , đ%°Ÿ, μ, Āftf@fCf<, đ'í'đ, ³, ê, Ü, ·, Æ~A'±  
, μ, ½ftf@fCf<•À, Ñ, ì'í'đ, đ, ·, éŽ-, ð, Ā, «, Ü, ·□B

"Ç, Ý□ž, Þftf@fCf<, đ□ã□', «<ÖŽ~'®□□, ĀŠJ, «, ½, ç□ê□‡, í□A□m□ã□', «<ÖŽ~□n, đf`fFfb  
fN, μ, Ä%°°, ³, ç□B



•@ã',«•û'¶

•ÒW't, ìfefLfxfg, ð^È'O, Æ"̄, ¶ftf@fCf<, Öã', «•û'¶, µ, Ü, ·B



@-¼'O,đ•t,~,Ä•Û'¶

•ÒW't,lfefLfxfg,đ•Ê-¼i-¼'O,đ•t,~,Ä¶j,ìftf@fCf<-¼,Å•Û'¶,µ,Û,·B  
,»,ìftf@fCf<-¼,ìftf@fCf<,Šù,É'¶Ý,·,ê,îã¶',«,µ,Ä—Ç,ç,©,đ•·,«,Û,·B  
,»,ì-¼'O,ìftf@fCf<,•Ê,ìfEfcf"fhfE,Å•ÒW't,Å, ,ê,î•Û'¶,Å,«,Û,<sup>1</sup>ñB

"íí,đ'í'đ,µ,ÄŽÀs,·,é,ÆA'í'đ,µ,½"íí"à,ì,Ý,đftf@fCf<-  
¼,đ•t,~,Ä•Û'¶,µ,Û,·BiŽÀs'O,É,»,ìŽ|,ì•Ž|,đ,µ,Û,·j  
fefLfxfg,ì, ,é"íí,ì,Ý,đftf@fCf<%»»,µ,½,çê¶,ÉŽg—p,<sup>3</sup>,ê,é,Æ•Ö—~,Å,·B



@,.,x,Ä,ø•Û'¶

•Ò□W't,ì,.,x,Ä,ìfefLfXfg,ø^È'O,Æ“~,¶ftf@fCf<,Ö□ã□',«•Û'¶,μ,Û,·□B



@óüfvfEfrf...[]

^óüfvfEfrf...[],đ<N“® ,μ,Û,·[]B



@óü

^óü,đŽÀs,μ,Û,·B



@óüÿ`è

-ÚŽŸ

@^óüŠT—v

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@@@,¥ c’E c’t%o;ì

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T“\_Af<frAŽš’ìA<r’ )

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@@@,¥ ^óüŽÀ@s,ì^óüü|—¹,ÅA^óüüf\_cfAfjO,ð•Â,Ÿ,éB

@m^óüŠŽn nf{f^f“

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@@@,¥ m’tŽ~ nf{f^f“

@@@,¥ mfwfbf\_ Eftfbf^ ... nf{f^f“



□@□@□@„¥ □m•¶Žš□F□Efxf^fCf<...□nf{f^f“  
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fefLfXfgff□[f^, Ì^ó□ü<@"\\,Æ,μ,Ä,Í□A□ê—pfjftfg^È□ã, Ì□\•ª, ·, ¬, é, Û, Ç, Ì<@"\\  
, ðŽ□, Á, Ä, ç, Ü, ·□B

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□@□E^ó□ü—pŽt, Ì□ã%□□¶%□E, Ì—]“□A•¶ŽšŠÔ, Ì—]“□A□s•¶ŽšŠÔ, Ì  
—]“ ,æf~fŠ'P^Ê, Å□Ý'è, Å, «, Ü, ·□B  
□@□EfCEfCfAfEfjg,ª—e^Õ, É□s, Ì, é, æ, x, É□A—pŽt-¼□AftfHf“fg-¼□AfvfŠf“f^—  
¼□A, P□s, Ì•¶Žš□“□A, Pfy□[fW, Ì□s□“™ , ðfŠfAf<f^fCf€ , Å•ŽÍ, μ, Ü, ·□B  
□@□Efwbfbf\_□Aftfbf^□Ý'è, Ì^è^Ê, Ì•İŠ•Žd—Ì, ðŠg'£, μ, ½□ê—pf}fNf□□i-ñ40ŽÍ—  
P□j, Å□AfvfŠfAf<f^fCf€, Ìfvf...f~fCEfCfVfjf“<@"\\, ðŽ□, Á, Ä, ç  
, Ü, ·□B, » , è, ¼, è□¶'x□A'+%□>□A%□E'x, Å□Ý'è, Å, «, Ü, ·□B  
□@□@ftfHf“fg,ªŽw'è, Å, «□A•¶Žš□Ffjf%□□[□A•¶ŽšfXf^fCf<( <'²□AŽÍ, ß□Afvf“f\_□[f  
%□fCf“)□A-ÔŠ|, ¬, UŽÍ—P, Ì□Ý'è<@"\\□B  
□@□E□s“ª, Å, TCE..., Ì□sNo, ð•t—^, ·, é, ±,Æ,ª, Å, «, Ü, ·□B  
□@□E□s“ª□A□s—, Å, Ì•Ö'¥□Ý'è□A%□p•¶f□□[fhf%□fbfv<@"\\□B  
□@□E—¼-Ê^ó□üf, □[fh, Å^ó□üfy□[fW□o—Í, ðŠi□”--><ô□“□A<ô□”--  
>Ši□“□AŠi□” , Ì, Ý□A<ô□” , Ì, Ý, Ìžw'è<@"\\□B  
□@□E<ô□“fy□[fW, Å□¶%□E—]“ , Ì“ü, è^Õ, Ì<@"\\□B  
□@□E—{•ª•¶Žš,Æ□sNO, Å□A•¶Žš□Ffjf%□□[□A•¶ŽšfXf^fCf<( <'²□AŽÍ, ß□Afvf“f\_□[f  
%□fCf“)□A-ÔŠ|, ¬, UŽÍ—P, Ì□Ý'è<@"\\□B  
□@□E•Ê“r, Å□Ý'è, ÌfL□[f□□[fh, P□` , R,ÆfRf□f“fg□s( fL□[f□□[fh, Ì□Ý'è) , Å□A•¶Žš□Ffjf  
%□□[□A•¶ŽšfXf^fCf<( <'²□AŽÍ, ß□Afvf“f\_□[f%□fCf“)□A-ÔŠ|, ¬, UŽÍ—P, Ì□Ý'è<@"\\  
□B  
□@□Efy□[fWf“fO, Ì, ½, ß, É□Afy□[fW“r't, ©, ç%□ü•Å, ·, é, ½, ß, Ì“C^Ó, Ì%□ü•Å•¶Žš—  
ñ(□§CEä•¶Žš—ñ), ð□Ý'è, Å, «, Ü, ·□B  
□@□E□Ý'è“à—e, Å, Ìfy□[fW“□□” , ðŠm”F, ·, é□ê—p, Ìf{f^f“ ,ª , è, Ü, ·□B  
□@□E□Ý'è“à—e, Ì□Ž®□Ý'èftf@fCf<,Æ,μ,Ä□A“C^Ó, Ì□Ž®ftf@fCf<-¼□i □%□Šú'l, Ì  
MM.PR1 □j, ð•t, ¬, ÄfffBfXfN, Ì<ó, «—e—Ê, Ü, Å□A•Ü'¶, â“Ç, Ý□ž, Ý, ÅŠÇ—

□,Á,«,Ü,·□B—p“r,É,æ,è□Ž®ftf@fCf<,đ□□¬,μ,Ä,¨,¯,î□A,æ,è—LCEø,Á,μ,â,α□B  
□@□E□cŠ,,è,Æ%o;Š,,èŠe,X'i,Ü,Á,ì'i'g,Y'óü□A'Ü,Æ,¶^óü□A<t'Ü,Æ,¶□B  
□@□E%o;□',«□A□c□',«,<sup>a</sup>,·,×,Ä,ì□Ý'è,Á—

**LCEø,Á,·□B□c□',«,**ì□ê□‡,í□c□',«ftfHf“fg(Š<sub>i</sub>Žš,<sup>¾</sup>,¯,<sup>a</sup>□c,É,È,è,Ü,·)  
,<sup>a</sup>Ž©“®,Á'í'đ,<sup>¾</sup>,ê,Ü,·□B

□@□E**CE©□o,μ□s,**đŽw'è,Á,«,Ü,·□A·Ê“r,Á,**WCEÂ,**ìftfHf“fg,đ□Ý'è,Á,«,Ü,·□B  
□@ “**/\*M1\*/**” □ “**/\*M8\*/**” ,ì8CEÂ,ìCEÁ'è,ìCE©□o,μ□šCEä·¶Žš—

ñ,đ□s“<sup>a</sup>,ÖŽw'è,·,é,±,Æ,Á□s'P^Ê,ÁftfHf“fg□A^óü□Fjff%o□□□A·¶ŽšXf^fCf<(<-  
'<sup>2</sup>□AŽí,β□AfAf“f\_□[f%oCf“),đ·ï□X □,Á,«,Ü,·□B

□@□E,Ü,½□AZÀ^óü,ìfCf□□[fW,đ^óüfvfCEfrf...□[‰æ-Ê,ÁCEy  
‰ođ,ÉŠm“F,Á,«,Ü,·□BfvfCEfrf...□[‰æ-Ê,Á,í□A**10**'iŠK,ìfY□[f€fAfbfv<@“\  
□Afy□[fWf“fO<@“\□AfvfCEfrf...□[fEfCf“fhfE,ìŠg'â□^□k□¬□AfvfCEfrf...□[‰æ-  
Ê,ìfXfNf□□[f<,â^Ú“®,<sup>a</sup>□Af{f^f“ ,âf}fEfX,âfL□[ ,Á‰oÁ“\,Á,·□B

□@□E**CEr□ü,ì~A'±^óü,**<sup>a</sup>‰oÁ“\  
,Á,·□B·¶ŽšŠÔ□A□sŠÔŠu,đ□L,° ,Ä,àCEr□ü,<sup>a</sup>□ø,è,Ü,<sup>1</sup>,ñ□B

□@□E**ŠO~g,Ö,ìü^ø,**«,<sup>a</sup>,Á,«,Ü,·□B□üfXf^fCf<(ŽÀü□E”g□ü□E”\_□ü□E,Por,Q□½□ü  
)□A□üfjff%o□[Žw'è‰oÁ□B

□@□E□s**ŠÔ,Ö,ìü^ø,**«,<sup>a</sup>,Á,«,Ü,·□B□üfXf^fCf<(ŽÀü□E”g□ü□E”\_□ü□E,Por,Q□½□ü  
)□A□üfjff%o□[Žw'è‰oÁ□B

□@□E”¼Šp,ì { } ,đf^fo,Æ,μ,Ä·¶“†,Ö-,,,β□ž,p,±□i { } f^fo,đ—LCEø,Æ,·,é □  
□Ý'è ( ‰o□ü□A't□ü□A-T“\_□Af<fr□AŽš'ì□A<r'□ )

,Á□AfefLfXfg^óü,đ,æ,èŠg'£,Á,«,Ü,·□B

□@□@□@\*\* ‰o□ü□E't□ü(Žæ□Á,μ□ü)  
,Á,í□A□üfXf^fCf<,P(·W□€□ü□E”¼□ü□E“ñ□d□ü□ü)□A□üfXf^fCf<,Q(ŽÀü□E”g□  
ü□E”\_□ü□E,Por,Q□½□ü),<sup>a</sup> ,è,Ü,·□B

□@□@□@\*\* **Žš'ì,**Á,í□AŽš'ìfXf^fCf<(CEXŽš□E”¼Žš□E‰o□ü,ì'g□‡,<sup>1</sup>)□A-ÔŠ|  
,\_fXf^fCf<(,UŽí—p),<sup>a</sup> ,è,Ü,·□B

□@□E,**QŽí—p,**ì□k□¬^óü,Áfy□[fW'P^Ê,Æ·¶Žš'P^Ê,<sup>a</sup> ,è,Ü,·□  
A,**P,QCEÂ,**ì□k□¬^óüf,□[fh,<sup>a</sup>Žg,ì,Ü,·□B

□@□@□@‡@CE»□Ý—pŽ†,Á,ì□”□Ý'è,đ□AA4, B5, fŠftf@fCf<—  
pŽ†,Öfy□[fW'P^Ê,Á□k□¬^óü□B

□@□@□@□@,Ü,½□A,Pfy□[fW,đ,Pfy□[fW,Ö,Æ□A□c,Qfy□[fW,đ‰o  
i,Pfy□[fW,Ö,ì,**Q'i**□k□¬,<sup>a</sup> ,è,Ü,·□B

□@□@□@‡ACE»□Ý—pŽ†fTfCfY,Á·¶Žš□k□¬,μ,Ä,Q”{(50%Žž),ì·¶Žš□”,đ^óü□B  
□@□EfŠfAf<f^fCf€□®CE`<@“\,đ^óü,Á,à—LCEø,Æ,·,éf,□[fh,đ'Ç‰oÁ□B

i ^óüi<ÆŽè†  
@fvfšf“f^<@žíA^óü—pžtAftfHf“fg,ì'í'ðAŸ'è,ð,“,±,È,ç,Ü,·B  
@fy[fW'Ž® Afwfbf\_ftfbf^A^óü”Í'ÍAF A,»,'¼,ìŸ'è,ð,“,±,È,ç,Ü,·B  
@^óüfvfÆfrf...[,Á^óüfCf[fW,ðŠm”F,μ,Ü,·B  
@Æ»Ÿ•ÖW't,ÌfēLfxfg,ðŸ'è,<sup>3</sup>,ê,<sup>1</sup>/<sub>2</sub>^óüðÆ,Á^óü,μ,Ü,·B  
@Ÿ'è,ì^óüðÆ,Í'Ž®ftf@fCf< i \*.PR1 [j,Æ,μ,Ä“Çž^•Ů'¶,<sup>a</sup>,Å,«,Ü,·B

@E^óüfCfAfeFg,ìŠî-{-,Æ,È,é,P[s,ì•¶žš”(¼Šp),Æ,Pfy[fW,ì[s”,Í  
@@fvfšf“f^<@ží,â^óü—  
pžt,ì'â,«,<sup>3</sup>,Æ^óü•¶žš,ìftfHf“fg,ÆftfCfY,ÁÆ'^è,<sup>3</sup>,ê,Ü,·B  
@@•¶žšE[sfsfbf` ,É,æ,éŸ'è(ffFftfHf<fg),ÆA•¶žš”E[s” ,É,æ,é  
•¶žš”—Dæ Ÿ'è ,<sup>a</sup>, ,è,Ü,·B

@@@œ•¶žšE[sfsfbf` ,É,æ,éŸ'è  
@@@%œ%¶žšE,ì—]”A•¶žšŠÔŠuA[sŠÔŠu,Á”÷'²@,ð,“,±,È,ç,Ü,·B

@@@œ•¶žš”Afy[fW[s” ,ì—Dæžw'è,É,æ,éŸ'è,Á,Í  
@@@Ÿ'è,ì,P[s,ì•¶žš”,Æ,Pfy[fW,ì[s”,©,çA•¶žšŠÔŠuA[sŠÔŠu,  
<sup>a</sup>žžo,<sup>3</sup>,ê,Ü,·B

@Emfvfšf“f^Ÿ'è...nf{f^f”,Á fvfšf“f^<@ží,â^óü—pžt,ðÆ'^è,μ,Ü,·B  
@@@^óüfvfšf“f^<@ží,ì'í'ðA—pžt,ì'í'ð(ftfCfY A<<žt•ù-@)A—  
pžt,ìÈü,«(cA%o;),ð'í'ðŸ'è,μ,Ü,·B

@EmfTfHf“fgŸ'è...nf{f^f”,Á ^óü•¶žš,ìftfHf“fg,âftfCfY,ð'í'ð,μ,Ü,·B  
@@@•¶žš,ì'â,«,<sup>3</sup>ifjCf“fg[j,ì'í'ð,Á,Ífvšf“f^,Áftf[fg,<sup>3</sup>,ê,Ä,ç,È,ç|  
fCf“fg,àŸ'è,Á,«,Ü,·,<sup>a</sup>A,à,Á,Æ,à<β,çftfHf“fg,<sup>a</sup>í'ð,<sup>3</sup>,ê,é,±,Æ,É,È,è,Ü,·B

□@□'Ž®ftf@fCf<□A—pŽt□AftfHf“fg-¼□AfvfŠf“f^-¼

□@CE»□Ý,ì□'Ž®ftf@fCf<-¼□A^óü—pŽtftfCfY-¼□A^óüftfHf“fg-¼,Æf|  
fCf“fg□”□AfvfŠf“f^-¼,ª•\Ž!,³,ê,Û,·□B

□E□'Ž®ftf@fCf<□F

□@CE»□Ý,ì□'Ž®ftf@fCf<-¼,ª•\Ž!,³,ê,Û,·□B□i □%Šú'l,í **MM.PR1** □j  
□@□Ý'è,ì^óüüðCE□,í□'Ž®ftf@fCf<□i \*.PR1 □j,Æ,μ,Ä“Ç□ž□^•Ů'¶,ª,Å,«,Û,·□B  
□@□'Ž®ftf@fCf<□”,ì□\$CEÀ,í, ,è,Û,¹,ñ□BffBfXfN,ì<ó,«—e—Ê,Û,Å□B

□@□œ□'Ž®ftf@fCf<,ì“Ç□ž□^•Ů'¶,í'¼,ìfhf%ofCfu,âffBfCEfNfgfŠfB,à  
%oÅ,Åftf<fpfX-¼,ÅŠÇ—□,μ,Û,·□B

□@□@,μ,©,μ□A^óüü□Ý'è%œ—Ê,Å,ì□'Ž®ftf@fCf<-¼,ì•\Ž!,ìftf@fCf<-  
¼,¾,¾,¯,Æ,È,è,Û,·□B

□E—pŽt□F

□@fvfŠf“f^□Ý'è,Å'l'ð,³,ê,Ä,ç,é^óü—pŽtftfCfY-¼,ª•\Ž!,³,ê,Û,·□B

□EftfHf“fg-¼□F

□@ftfHf“fg□Ý'è,Å'l'ð,³,ê,Ä,ç,é^óüftfHf“fg-¼,Æf|fCf“fg□”,ÆfTfCfY(mm),ª•\  
Ž!,³,ê,Û,·□B

□EfvfŠf“f^-¼□F

□@fvfŠf“f^□Ý'è,Å'l'ð,³,ê,Ä,ç,éfvfŠf“f^,ª•\Ž!,³,ê,Û,·□B

**Ⓜ, PⓂs • ¶ŽšⓂ"ⓂAfyⓂ[fWⓂsⓂ"**

ⓂⓂ, PⓂs • ¶ŽšⓂ" ("¼Šp), â, PfyⓂ[fWⓂsⓂ", íⓂACE»ⓂÝ, ì—pŽtftfCfyⓂAftfHf"fg-  
¼ⓂAfyⓂ[fWⓂ'Ž® , ìⓂÝ'èⓂAⓂs, m, n, ì•t  
%oÁⓂAfwfbf\_ⓂAftfbf^ , È, Ç, ìⓂÝ'èⓂðCEⓂ, É, æ, Á, Ä•İ%o» , μ, Ü, ·ⓂB  
ⓂⓂ, Ü, ½ⓂA**fŠfA**f<f^f**Cf€**, Å•\  
Žì, ³, ê, Ü, ·, ì, Å^óⓂüⓂðCEⓂⓂAfcfCfAfefg, ì"÷'²Ⓜ® , ðŠÈ'P, É, ", ±, È, ì, Ü, ·ⓂB

**ⓂE, PⓂs • ¶ŽšⓂ"ⓂF**

ⓂⓂⓂÝ'è, ³, ê, Ä, ç, é^óⓂüⓂðCEⓂ, Å, ì, PⓂs, ì^óⓂü•¶ŽšⓂ" ("¼Šp), ð•\Žì, μ, Ü, ·ⓂB  
ⓂⓂ%o; 'i'g, Ýf, Ⓜ[fh, Å'iⓂ", ð, Q^ÈⓂã, ©'Ü, Æ, ¶, ìⓂêⓂ‡, íⓂAⓂi'iⓂ"ⓂF, ÆŠe'i—  
ñ, Å, ì^óⓂü•¶ŽšⓂ" ("¼Šp)Ⓜj, ð•\Žì, μ, Ü, ·ⓂB  
ⓂⓂ, PⓂs, ì^óⓂü•¶ŽšⓂ", Å, íⓂAⓂⓂs"ÔⓂ†, ð•t%oÁ  
, ·, éⓂêⓂ‡, Å, à^óⓂü, ìfefLfxfg•¶ŽšⓂ", ð•\Žì, μ, Ü, ·ⓂB

**ⓂEfyⓂ[fWⓂsⓂ"ⓂF**

ⓂⓂⓂÝ'è, ³, ê, Ä, ç, é^óⓂüⓂðCEⓂ, Å, ì, PfyⓂ[fW, ì^óⓂüⓂsⓂ", ð•\Žì, μ, Ü, ·ⓂB  
ⓂⓂⓂc'i'g, Ýf, Ⓜ[fh, Å'iⓂ", ð, Q^ÈⓂã, ©'Ü, Æ, ¶, ìⓂêⓂ‡, íⓂAⓂi'iⓂ"ⓂF, ÆŠe'i—  
ñ, Å, ì^óⓂüⓂsⓂ"Ⓜj, ð•\Žì, μ, Ü, ·ⓂB  
ⓂⓂ, PfyⓂ[fW, ì^óⓂüⓂsⓂ", íⓂAⓂfwfbf\_Ⓜftfbf^ , ð•t  
%oÁ, ·, éⓂêⓂ‡, Å, à^óⓂü, ìfefLfxfgⓂsⓂ", ð•\Žì, μ, Ü, ·ⓂB

**Ⓜì^óⓂüfCEfcfAfefg, ìŠì- {, Æ, È, é, PⓂs, ì•¶ŽšⓂ" ("¼Šp), Æ, PfyⓂ[fW, ìsⓂ", ì**

ⓂⓂfvfŠf" f^<@Žì, â^óⓂü—  
pŽt, ì'â, «, ³, Æ^óⓂü•¶Žš, ìftfHf"fg, ÆftfCfy, ÅCE^'è, ³, ê, Ü, ·ⓂB  
ⓂⓂ•¶ŽšⓂEⓂsfsfbf` , É, æ, éⓂÝ'è(ffFftfHf<fg), ÆⓂA•¶ŽšⓂ"ⓂEⓂsⓂ" , É, æ, é  
•¶ŽšⓂ"—DⓂæ ⓂÝ'è , ì—¼•û, ð, è, Ü, ·ⓂB

**ⓂⓂⓂⓂœ•¶ŽšⓂEⓂsfsfbf` , É, æ, éⓂÝ'è**

ⓂⓂⓂⓂⓂⓂⓂⓂã%o°Ⓜ¶%oE, ì—]""ⓂA•¶ŽšŠÔŠuⓂAⓂsŠÔŠu, Å"÷'²Ⓜ® , ð, ", ±, È, ç  
, Ü, ·ⓂB

**ⓂⓂⓂⓂœ•¶ŽšⓂ"ⓂAfyⓂ[fWⓂsⓂ" , ì—DⓂæŽw'è, É, æ, éⓂÝ'è, Å, í**

ⓂⓂⓂⓂⓂⓂⓂⓂⓂⓂÝ'è, ì, PⓂs, ì•¶ŽšⓂ" , Æ, PfyⓂ[fW, ìsⓂ" , ©, çⓂA•¶ŽšŠÔŠuⓂAⓂsŠÔŠu,  
ðŽZⓂo, ³, ê, Ü, ·ⓂB



Ⓜ@fyⓂ[fWⓂ'Ž®

Ⓜ@^óⓂü—pŽt,Å,ìⓂ¶%ⓂEⓂã%Ⓜ°è,ì—]'''ⓂA•¶ŽšŠÔŠuⓂAⓂsŠÔŠuⓂAⓂcⓂ^%Ⓜ  
ì,ì'i'g,Ý,Æ'Ü,Æ,¶ⓂA%Ⓜü•ÅⓂ§CEä•¶Žš,ðⓂÝ'è,μ,Ü,·ⓂB  
Ⓜ@fefLfXfg^óⓂü,ÅⓂl,ì,ç,ê,é,Ü,Æ,ñ,Ç,ìfyⓂ[fWⓂ'Ž®,ªⓂx,©,ⓂÝ'è^óⓂü,Å,«,Ü,·ⓂB

ⓂEⓂã—]'''

Ⓜ@—pŽt,ìⓂã'[,©,çfyⓂ[fW,Ⓜs^Ê'u,Ü,Å,ì—]''' ,ðⓂi0Ⓜ`999Ⓜjmm'P^Ê,ÅⓂÝ'è,μ,Ü,·ⓂB  
ⓂE%Ⓜ°—]'''

Ⓜ@—pŽt,ì%Ⓜ°'[,©,çfyⓂ[fWⓂl—^Ê'u,Ü,Å,ì  
—]''' ,ðⓂi0Ⓜ`999Ⓜjmm'P^Ê,ÅⓂÝ'è,μ,Ü,·ⓂB

ⓂEⓂ¶—]'''

Ⓜ@—pŽt,ìⓂ¶'[,©,ç,Ⓜs,Ⓜfj%Ⓜf€^Ê'u,Ü,Å,ì  
—]''' ,ðⓂi0Ⓜ`999Ⓜjmm'P^Ê,ÅⓂÝ'è,μ,Ü,·ⓂB

ⓂE%ⓂE—]'''

Ⓜ@—pŽt,ì%ⓂE'[,©,ç,ⓂsⓂl—^fj%Ⓜf€^Ê'u,Ü,Å,ì  
—]''' ,ðⓂi0Ⓜ`999Ⓜjmm'P^Ê,ÅⓂÝ'è,μ,Ü,·ⓂB

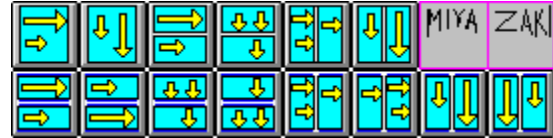
ⓂE•¶ŽšŠÔŠu

Ⓜ@^óⓂü•¶Žš,ìŠÔŠu,ðⓂi0.0Ⓜ`99.9Ⓜjmm'P^Ê,ÅⓂÝ'è,μ,Ü,·ⓂB

ⓂEⓂsŠÔŠu

Ⓜ@^óⓂüⓂs,ìŠÔŠu,ðⓂi0.0Ⓜ`99.9Ⓜjmm'P^Ê,ÅⓂÝ'è,μ,Ü,·ⓂB

Ⓜ@Ⓜ! %Ⓜ;iⓂ^Ⓜc'i,ì'i'g,Ý,Æ'Ü,Æ,¶,ì,VŽí—p,Æ%ⓂiⓂ',«Ⓜ^ⓂcⓂ',«f,Ⓜ[fh,Æ,ðCE"—  
p,·,é,±,Æ,ÅⓂA%Ⓜ°<l,ì,P,SŽí—p,ì'½ⓂÊ,ÊfyⓂ[fWⓂ'Ž®,ªŽg—p,Å,«,Ü,·ⓂB  
1 (1) 5 (5) 2 (2) ("à),ìⓂcⓂ',«,ìⓂêⓂ‡,Å,·ⓂB



6 7 (6) (7) 3 4 (3) (4)

ⓂE'i'g,Ý'i'ð

Ⓜ@Ⓜ@1.,Ê,μ

Ⓜ@Ⓜ@Ⓜ@Ⓜ@Ⓜ@Ⓜ@Ⓜ@Ⓜ@,ⓂfyⓂ[fW,Å,P—ñ,ð^óⓂü,μ,Ü,·ⓂB^Êí,ìf,Ⓜ[fh,Å,·ⓂB

Ⓜ@Ⓜ@2.'i'g,Ý(%Ⓜ;)

Ⓜ@Ⓜ@Ⓜ@Ⓜ@Ⓜ@Ⓜ@Ⓜ@Ⓜ@,ⓂfyⓂ[fW,ÅŽw'è,ì'iⓂ",ì%Ⓜ;—ñ,ð^óⓂü,μ,Ü,·ⓂB



Še'iŠŌ,ì—]''',íŸ'è,ì'iŠŌŠu,đŽg—p,μ,Û,·B  
Ÿ'è,ì'iŸ''',Q'Éŋă,ìê†,ì,ŸA—LCEø,Æ,μ,Û,·B  
Ÿ'è,ì'iŸ''',P—ñ(Ÿ'x—ñ,æ,è){iŠŌŠu{,Q—  
ñ{iŠŌŠu{...,m—ñ{‰E—]''',Æ,È,è,Û,·B

3. 'Ü,Æ,Ÿ(‰j)

Pfy[fWŸi—pŽtŸj,Å‰j,Q—ñŸi,Qfy[fWŸjAŸ'x,â,P—  
ñA‰E'x,â,Q—ñ,Æ,μ,Å'óŸü,μ,Û,·B  
Q‰j—ñ,»,,ê,¼,ê,Åfwfbf\_ŸAftfbf^,đ•t‰Á,μ,Û,·B  
Ÿ'è,ì'iŸ''',P—ñ(Ÿ)Ÿ{‰E—]''',Ÿ'è,ì'iŸ''',Q—  
ñ(‰E)Ÿ{‰E—]''',Æ,È,è,Û,·B

4. <t'Ü,Æ,Ÿ(‰j)

'Ü,Æ,Ÿ,ÅAŸ'x,â,Q—ñA‰E'x,â,P—  
ñ,Æ,μ,Å'óŸü,μ,Û,·B  
Q‰j—ñ,»,,ê,¼,ê,Åfwfbf\_ŸAftfbf^,đ•t‰Á,μ,Û,·B  
Ÿ'è,ì'iŸ''',Q—ñ(Ÿ)Ÿ{‰E—]''',Ÿ'è,ì'iŸ''',P—  
ñ(‰E)Ÿ{‰E—]''',Æ,È,è,Û,·B

5. 'i'g,Ÿ(Ÿc)

Pfy[fW,ÅŽw'è,ì'iŸ''',ìŸc—ñ,đ'óŸü,μ,Û,·B  
Še'iŠŌ,ì—]''',íŸ'è,ì'iŠŌŠu,đŽg—p,μ,Û,·B  
Ÿ'è,ì'iŸ''',Q'Éŋă,ìê†,ì,ŸA—LCEø,Æ,μ,Û,·B  
Ÿ'è,ì'iŸ''',P—ñ(Ÿă'x—ñ,æ,è){iŠŌŠu{,Q—  
ñ{iŠŌŠu{...,m—ñ{,μ,½—]''',Æ,È,è,Û,·B

6. 'Ü,Æ,Ÿ(Ÿc)

Pfy[fWŸi—pŽtŸj,Å,QŸc—ñŸi,Qfy[fWŸj,đ'óŸü,μ,Û,·B  
Ÿ'è,ì'iŸ''',P—ñ(Ÿă)Ÿ{‰‰—]''',Ÿ'è,ì'iŸ''',Q—  
ñ(‰‰)Ÿ{‰‰—]''',Æ,È,è,Û,·B

7. <t'Ü,Æ,Ÿ(Ÿc)

'Ü,Æ,Ÿ,ÅAŸ'x,â,Q—ñA‰E'x,â,P—  
ñ,Æ,μ,Å'óŸü,μ,Û,·B  
Ÿ'è,ì'iŸ''',Q—ñ(Ÿă)Ÿ{‰‰—]''',Ÿ'è,ì'iŸ''',P—  
ñ(‰‰)Ÿ{‰‰—]''',Æ,È,è,Û,·B

E'iŸ'''

'i'g,ŸŸ^—Ÿ,ì'iŸ''',đŸi1Ÿ`9Ÿj'i,ÅŸŸ'è,μ,Û,·B  
'i'g,Ÿ,Å2'i^È‰‰,í-³CEø,Å,·B'Ü,Æ,Ÿ,Å,íŸŸ'è'iŸ''',ÉŠÖCEW,È,2'i,ìCEÅ'è,Å,·B  
E'iŠŌŠu  
'i'g,ŸŸ^—Ÿ,ì'iŠŌ,ìŠŌŠu,đŸi0Ÿ`99Ÿjmm'P^Ê,ÅŸŸ'è,μ,Û,·B

E‰ü•ÅŸCEă•ŸŽš—ñ

fŸŸ[fW,ì'r't,Å<Ÿ"i,É‰ü•Å,đ,,±,È,í,¹,éAŸŸCEă•ŸŽš—ñ,đŸŸ'è,Å,«,Û,·B  
ŸŸŸCEă•ŸŽš—ñ,í,PŸs,ìŸæ"â^Ê'u,ÅŸA'ŸCEă,É"/\*"/,Æ"/",â•K—v,Å,·B  
ŸŸŸŽ®^á,Ÿ,í-³CEø,Æ,È,è,Û,·B

—á,PŸF/\*‰ü•Å\*/ŸŸŸ—á,QŸF/\*P\*/ŸŸŸ—á,RŸF/\*\*/

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□@□@☉»□Ý•Ò□W't,ìff□[f^,ð□Ý'è,³,é,½^óüð☉□,Å^óü,μ,Û,·□B

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□@□@'Sfy□[fW,ð^óü'í□Û,Æ,μ,Û,·□B

□E□>fy□[fWŽw'è min ,©,ç□` max ,Û,Å

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□@□@•¶Žš'P^Ê,©□A□s'P^Ê,ì"íí'í'ð,²,È,³,é,Ä,ç,é□ê□‡,ì,Ý,Å'í'ð,Å,«,Û,·□B

□@□@☉»□Ý•Ò□W't,ìfefLfXfg,Å'í'ð,³,é,Ä,ç,é"íí,ìfefLfXfg,ð^óü'í□Û,Æ,μ,Û,·□B

□E^óü•"□" •"

□@^óü,·,é•"□",ð□Ý'è,μ,Û,·□B

Ⓜ@^óü Ⓜ%Šú'l

Ⓜ@Ⓜ@ⓂsNo•t—^ⓂAfyⓂ[fWNo•t—^,ìⓂêⓂ‡,Å^óü Ⓜ%Šú'l(flftfZfbfg),đⓂÝ'è,·,é,±  
,Æ,ª,Å,«,Ü,·ⓂB

ⓂEⓂsNo

Ⓜ@Ⓜ@ⓂsNo,ìⓂ%Šú'l,Æ,μ,Ä (1Ⓜ`9999) ,đⓂÝ'è,Å,«,Ü,·ⓂB

Ⓜ@Ⓜ@ffⓂ[f^,ìⓂæ“ª,đ,PⓂs,Æ,μ,ÄⓂ%Šú'l,đ%ÁŽZ,μ,½ⓂsNo,đ^óü,μ,Ü,·ⓂB

ⓂEfyⓂ[fWNo

Ⓜ@Ⓜ@fyⓂ[fWNo,ìⓂ%Šú'l,Æ,μ,Ä (1Ⓜ`9999) ,đⓂÝ'è,Å,«,Ü,·ⓂB

Ⓜ@Ⓜ@ffⓂ[f^,ìⓂæ“ª,đ,PfyⓂ[fW,Æ,μ,ÄⓂ%Šú'l,đ

%ÁŽZ,μ,½fyⓂ[fWNo,đ^óü,μ,Ü,·ⓂB

Ⓜ@ⓂmfyⓂ[fW'ⓂⓂ"Šm"FⓂnf{f^f"

ⓂEⓂmfyⓂ[fW'ⓂⓂ"Šm"FⓂnf{f^f"

Ⓜ@ⓂÝ'è,<sup>3</sup>,ê,Ä,ç,é^óⓂüⓂđⓂⓂ,Å,ì'ⓂfyⓂ[fWⓂ",đⓂÄⓂWⓂEv,μ,Ä•\Ž!,μ,Ü,·ⓂB

Ⓜ@%o½fyⓂ[fW,Æ,È,é,©,ìŠm"F,â,Å,«,Ü,·ⓂB

## Ⓜ,» ,ì¼,ìf`fFfbfNⓂ€-Ú

### ⓂEⓂ Ⓜs"ÔⓂt•t%Á

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%üⓂs,©ⓂÛ,è•Ô,μ•¶žš^Ê'u,Û,ÁⓂj,đ,PⓂs,Æ,μ,Û,·ⓂB

Ⓜ@Ⓜ@Ⓜm~\_—ⓂⓂsⓂnⓂF,PⓂs,ì'.,<sup>3</sup>,ÉŠÖÆW,È,%üⓂs,Û,Á,đ,PⓂs,ÆÆ©,È,μ,Û,·ⓂB

### ⓂE f^fu•¶žšⓂ

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### ⓂEⓂ ftfbf^

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^,.,éⓂêⓂ‡,Áf`fFfbfN,μ,Û,·ⓂB

### ⓂEⓂ <Ö'¥Ⓜ^—

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Ⓜ@Ⓜ@<Ö'¥Ⓜ^—

Ⓜ,đ,.,é,Æ,μ,½ⓂêⓂ‡,ÍⓂA,QⓂs^ÈⓂä,ÉⓂÛ,è•Ô,μ,½•¶í,ÁⓂÛ,è•Ô,μ^Ê'uⓂiⓂs--

Ⓜj,ÉⓂmⓂs--<Ö'¥•¶žšⓂn,<sup>a</sup>, ,ê,ÎžŸⓂs,ìⓂæ"<sup>a</sup>,Ö'Ç,çⓂo,μ,Û,·ⓂB

Ⓜ@Ⓜ@,Û,½"~,¶íó'Ô,ÁⓂs"<sup>a</sup>,ÉⓂmⓂs"<sup>a</sup><Ö'¥•¶žšⓂn,<sup>a</sup>, ,ê,Î'Os,ìⓂs-- ,Ö,»,ì•¶žš,đ-ß,μ,Û,·ⓂB

Ⓜ@Ⓜ! Ⓜs--<Ö'¥•¶žšⓂn,ÆⓂmⓂs"<sup>a</sup><Ö'¥•¶žšⓂn,ìžw'è•¶žš—ñ,íⓂA•\Ž!ⓂÝ'è,ì

<Ö'¥•¶žš,ìⓂÝ'è ,đ<κ—L,μ,Äžg,ç,Û,·ⓂB

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Ⓜ@Ⓜ@Ⓜs"<sup>a</sup>,ÉⓂm%üⓂs•¶žšⓂn,<sup>a</sup>, ,ê,Î'Os,ìⓂs-- ,Ö,»,ì•¶žš,đ-ß,μ,Û,·ⓂB

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Ⓜ@Ⓜ@%öp'PCEê,ìfⓂⓂ[fhf%öfbfvⓂ^—

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,Æ,»,ì‘¼,ìftf“fvf<fefLfXfg□A□Ž®,ð“Y•t,μ,Ä,Û,·□B

□@□@□@□@□@□@□@ ^óü,âfvfCEfrf...□[,μ,ÄŽQ□l,Æ,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ç□B



## ☐@☐k☐→^óü

☐k☐→^óü,đ☐s,č,Ü,·☐B

MM^óü,Å,ì☐k☐→^óü,íŠî- {,Æ,μ,Ä, **QŽí**—

**p**,ìfy☐[fW'P^Ê,Æ•ŕŽš'P^Ê,ì,P,QCEÅ,ì☐k☐→f,☐[fh,ªŽg,ì,Ü,·☐B

☐@☐@☐œ,P☐DCE»☐Ý—pŽt,Å,ì☐”☐Ý'è,đ☐AA4, B5, fŠftf@fCf<—

pŽt,Öfy☐[fW'P^Ê,Å☐k☐→^óü☐B

☐@☐@☐@,Ü,½☐A,Pfy☐[fW-->,Pfy☐[fW,Ö,Æ☐A☐c,Qfy☐[fW-->%o

i,Pfy☐[fW,Ö,ì☐k☐→,ª,è,Ü,·☐B

☐@☐@☐œ,Q☐DCE»☐Ý—pŽtftfCfY,Å•ŕŽš☐k☐→,μ,Ä,Q” { (**50%Žž**)

,ì•ŕŽš☐”,đ^óü☐B

☐@☐;☐i,Ü,½☐A[•ŕŽš☐F☐EfXf^fCf< f\_fCfA☐fO ]->[ŠOCE` ,ìü^ø,«]-

>[ü,ìfXf^fCf<],Å

☐@☐@ŠO~g,ìü^ø,«,Æ,μ,Ä☐u, **SŠp,ÖŠpf**☐[fN☐v,đ^ø,,đ—p^Ó,μ,Ü,μ,½☐B

☐@☐@Žè' ftfCfY,È,Ç,ì—pŽtffjfbfg,È,Ç,ìê☐‡,Å•Ö—~,©,à,μ,é,Ü,<sup>1</sup>,ñ☐A,<sup>2</sup>—~—p

%o<sup>o</sup>,<sup>3</sup>,č☐B

☐@☐ ☐k☐→^óü☐@f` fFbfNf{f^f“

☐@☐@☐@☐k☐→^óü,đ ON ,Æ,μ,Ü,·☐B

☐@☐@☐@CE»☐Ý—pŽt,Å,ìftfH☐[f€☐'Ž®,Å☐AŠe☐k☐→f,☐[fh,ì—pŽt,Ö^óü,μ,Ü,·☐B

☐@☐;☐k☐→f,☐[fh☐@,P☐`,P,QCEÅ

☐@☐@☐@-->(☐š,P☐`,V,ìfy☐[fW'P^Ê,Å,ì☐k☐→)

☐@☐@1. A4%o; ,Q'i☐@☐@☐@☐@-- ,Qfy☐[fW,đ%o; ,Pfy☐[fV,É☐k☐→,·,é

☐@☐@2. B5(182mm☐~257mm)

☐@☐@3. B5%o; ,Q'i☐@☐@☐@☐@-- ,Qfy☐[fW,đ%o; ,Pfy☐[fV,É☐k☐→,·,é

☐@☐@4. fŠftfBf<,P(148mm☐~297mm)☐@☐@☐@☐@-- f^fCf€☐EfVfXfef€☐EfTfCfY

☐@☐@5. fŠftfBf<,P%o; ,Q'i☐@☐@☐@☐@-- ,Qfy☐[fW,đ%o; ,Pfy☐[fV,É☐k☐→,·,é

☐@☐@6. fŠftfBf<,Q( 95mm☐~170mm)☐@☐@☐@☐@--

ftf@fCf☐ftf@fbfNfX☐EfTfCfY

☐@☐@7. fŠftfBf<,Q%o; ,Q'i☐@☐@☐@☐@-- ,Qfy☐[fW,đ%o; ,Pfy☐[fV,É☐k☐→,·,é

☐@☐@☐@-->(☐š,W☐`,P,Q,ÍŽw'è—pŽtftfCfY,Å•ŕŽš,đ☐k☐→☐**EŠg'å**)

☐@☐@8. ☐k☐→ 80%

☐@☐@9. ☐k☐→ 50%☐@☐@☐@☐@--> “~,ŕ—

pŽtftfCfY,Å•ŕŽš□k□¬,μ,Ä,Q”{(50%Žž),ì•ŕŽš□”,đ^ó□ü□B

□@□@10. □k□¬ 30%

□@□@11. □k□¬ 200%□@□@□@--> “-,ŕ—

pŽtftfCfY,Å•ŕŽšŠg’â,μ,Ä,P□^,Q”{(200%Žž),ì•ŕŽš□”,đ^ó□ü□B

□@□@12. □k□¬ 150%

□@[—á]fvfŠf“f^,Å,ì—

pŽt’l’đ,í□uA4□c□v□A□k□¬f,□[fh,í□u2.B5(182mm□~257mm)□v,ì□é□‡

(A4)

„i„Ŕ„Ŕ„Ŕ„¢ (B5)

„ Ŕ□ ” „ „i„Ŕ„Ŕ„Ŕ„¢

„ „Ŕ□ ” „ □ ”

„ □@□@ ” --> „ □ ”

„ □@□@ ” „ □@ ”

„x„Ŕ„Ŕ„Ŕ„¢ „x„Ŕ„Ŕ„Ŕ„¢

□@[—á]fvfŠf“f^,Å,ì—pŽt’l’đ,í□uA4□c□v□A□k□¬f,□[fh,í□u3.B5%oj ;Q’i□v,ì□é□‡

□@□@□@-- A4□c,Qfy□[fW,đ-->□@B5%oj,Pfy□[fV,É□k□¬,·,é

(A4)

„i„Ŕ„Ŕ„Ŕ„¢ (B5%oj)

„ Ŕ□ ” 1p , 2p

„ „Ŕ□ ” „i„Ŕ„Ŕ„Ŕ„Ŕ„¢

„ □@□@ ” --> „ □« ” □« ”

„ □@□@ ” „ □« ” □« ”

„x„Ŕ„Ŕ„Ŕ„¢ „x„Ŕ„Ŕ„Ŕ„Ŕ„¢

□@□@□@;’□^Ó

□@□@□@□@k□¬f,□[fh(□š,P□E,R□E,T□E,V),í□c,Qfy□[fW,đ-->%o

i,Pfy□[fW,Å,ì□k□¬^ó□ü,Å,·,ª□A

□@□@□@A4□é—pfvfŠf“f^,Å,ì—pŽt%oj,í’}“ü•s%oÂ,Å,·□B,Å□c—

pŽt,đ^O’ñ,Æ,μ,Äf\ftfg,Å’î□^,μ,Ä,Ü,·□B

□@□@□@A4—pŽt^È□ã,ª’}“ü%oÂ,ìfvfŠf“f^,Å,à□A□c’·—

pŽt,Æ,μ,Ä^ó□ü,ª,é,Ü,·,ì,Å□A,²’□^Ó%oª,ª,¢□B

□@□@□@;’□^Ó

□@□@□@□@k□¬f,□[fh(□š,P□` ,V),ífy□[fW’P^Ê,Å,ì□k□¬^ó□ü,Å□A

□@□@□@fvfšf“f^—pžt,ì'l'đ,ª□A□c,æ,è%ooj,ª',ç%ooj'•,ì—pžt(—á,ì,î A4%oj)  
,í^óü•s%oÅ,Å,·□B

□@□@□@□k□—□æ—pžt,Æ□c,Æ%ooj,ì”ä—  
!,ª<t,É,È,é,©,ç,Å□Afy□[fW'P^Ê,ì□k□—^óü•s%oÅ,Å,·□B

□@[—á]fvfšf“f^,Å,ì—pžt+l'đ,í□uA4□c□v□A□k□—f,□[fh,í□u8.□k□→ 50%□v,ì□ê□‡

□@□@□@-- A4□c,Pfy□[fW(%oj90•ŕžš,□@□c60•ŕžš),đ--

>□@(%oj180•ŕžš,□@□c120•ŕžš),Ö50%□k□—,Å^óü,·,é

|             |            |
|-------------|------------|
| (A4)        | (A4)       |
| „i„Ÿ„Ÿ„Ÿ„ç  | „i„Ÿ„Ÿ„Ÿ„ç |
| „ Ÿ□ ”      | „ Ÿ□ ”     |
| „ ”         | „ Ÿ□ ”     |
| „ „Ÿ□ ” --> | „ „Ÿ□ ”    |
| „ □@□@ ”    | „ „Ÿ□ ”    |
| „x„Ÿ„Ÿ„Ÿ„£  | „x„Ÿ„Ÿ„Ÿ„£ |



@ftf@fCf<,ð•Â,¶,é

•Ò□W't,lfefLfXfg,ð•Â,¶,Ü,·□B

fefLfXfg,<sup>a</sup>•İ□X,<sup>3</sup>,ê,Ä,ç,é□ê□‡,É,í□A•Û'¶,·,é,©,ð•·,«,Ü,·□B



@, , x, Ä, ìftf@fCf<, ð•Â, ¶, é

•Ò□W't, ì, , x, Ä, ìfefLfXfg, ð•Â, ¶, Ü, ·□B

fefLfXfg, <sup>a</sup>•ï□X, <sup>3</sup>, è, Ä, ç, é□ê□‡, É, í□ACEÂ•Ê, É•Û'¶, , é, ©, ð•·, «, Ü, ·□B



☐@fj☐[fj<^Ê'u,Ö,ì“Ç,Ý☐ž,Ý

☐»fj☐[fj<^Ê'u,ÖŽw'è,μ,½fefLfXfgftf@fCf<,đ“Ç,Ý☐ž,Ý,Ü,·☐B



@HTML • ¶' , ðfuf%ofEfU , Å • \Ž!

, l, lfGfffBf^ , ÅŒ» ¶Ý • Ò ¶W'† , ì HTML • ¶' , ð ¶ã ¶' , « • Ū' ¶ , µ , Ä ¶AŽw'è , ³ , ê , Ä , ç , é  
Win • W ¶€fuf%ofEfU , Å • \Ž! , µ , Ü , · ¶B  
, È , ¨ , ± , ì • ¶' , í ¶AŠg' £Žq , <sup>a</sup> htm , © html , Å , , é • K—v , <sup>a</sup> , , è , Ü , · ¶B

—á: **Sample.htm** , â **Sample.html** “™ , Å , · ¶B





,l,lfgffBf^95 ,ðl—<sup>1</sup>,μ,Û,·B

•ÒW't,ìfefLfxfg,<sup>a</sup>•ïX,<sup>3</sup>,ê,Ä,ç,éêê‡,É,ÍACEÂ•Ê,É•Û'¶,·,é,©,ð••,«,Û,·B

## □@ftf@fCf<-1/4,ÆftfHf<f\_-1/4,ì—š—ð□í□œ

ftf@fCf<,ðŠJ,,ÅŠJ,ç,1/2ftf@fCf<-1/4,ÆftfHf<f\_-1/4,ì—š—ð,ðftf@fCf<f□ffj...□[.ì  
%o°•”,Ö•\Ž!,μ,Ä,ç,Û,·,ª□A,±,ì—š—ð,ðœÂ•Ê,É□í□œ,μ,Ä,ìf□f“fejif“fX,ð,”,±,È,ç  
,Û,·□B  
%o1/4,ÉŠJ,ç,1/2ftf@fCf<-1/4,âftfHf<f\_-1/4,ð—š—ð,Æ,μ,ÄŽc,μ,1/2,,È,ç□ê□±,ª, ,è,Û,·□B,  
»,x,ç,xŽŽ,ÉŽg,Á,Ä%o°,³,ç□B

## □EŽí—p

□@ftf@fCf<-1/4,ÆftfHf<f\_-1/4,ì—š—ð,ì,ç,Ä,ê,ì□í□œ,ð□s,x,©,ð'ìð,μ,Û,·□B  
□@,ç,Ä,ê,©,ð'ìð,·,é,Æœ»□Ý,ì—š—ð,ª•\Ž!,³,ê,Û,·□B

## □E□í□œf{f^f“

□@□í□œ,ì□ê□±,í□A“o~^fŠfXfgf{fbfNfX,æ,è□í□œ,μ,1/2,ç□€-Ú,ð'ì,Ñ□í□œf{f^f“ ,ð  
%oÿ,·,Æ,»,ì□€-Ú,ì—š—ð,æ,è□í□œ,³,ê,Û,·□B

## □E,â,è'1/4,μf{f^f“

□@ftf@fCf<-1/4,ÆftfHf<f\_-1/4,ì—š—ð•Ò□W□ì<Æ,ð□Å□%o,©,ç,â,è'1/4,μ,1/2,ç  
,Æ,«,ÉŽg—p,μ,Û,·□B  
□@—š—ð“à—e,í□ì<ÆŠJŽn'O,ì□ó'Ô,É□%oŠú%o»,³,ê,Û,·□B

## □E□Ý'èf{f^f“

□@—š—ð•Ò□W“à—e(ftf@fCf<-1/4,ÆftfHf<f\_-1/4<x,É),ð•Û'¶,μ,Ä□ì<Æ,ð□ì—  
¹,μ,Û,·□B

## □E'tŽ~f{f^f“

□@—š—ð•Ò□W“à—e(ftf@fCf<-1/4,ÆftfHf<f\_-1/4<x,É),ð•Û'¶,¹,,É□ì<Æ,ð□ì—  
¹,μ,Û,·□B



U@,â,è'¼,μ

fefLjXfg,É%Á,|,½•ĩX,đŽæ,èÁ,μ•ĩX'O,ìó'Ô,Ö-ß,μ,Ü,·B  
m,â,è'¼,μn,ì,Å,«,é%ñ",É§À,í, ,è,Ü,<sup>1</sup>,ñBiffBfXfN—e—Ê,ìÀŠE,Ü,Å  
%Á"\j



Ⓜ@,â,è'¼,μ,ì,â,è'¼,μ

Ⓜm,â,è'¼,μⓂn,ðŽæ,èÁ,μⓂm,â,è'¼,μⓂn,ì'O,ìó'Ô,Ö-ß,μ,Û,·ⓂB

Ⓜm,â,è'¼,μ,ì,â,è'¼,μⓂn,ì,Å,«,é%ñ",É\$ÆÀ,í, ,è,Û,<sup>1</sup>,ñⓂBⓂiffBfXfN—e—  
Ê,ìÆÀŠE,Û,Å%Å"\Ⓜj



☞@fNfŠfbfvf{☞[fh ☞Ø,èŽæ,è

Žw'è,μ,½"í^í"½"]•\Ž|,μ,½•"•ª☞j,lfefLfXfg,đfNfŠfbfvf{☞[fh,ÖfRfs☞[,μ,Ü,·☞B  
Žw'è,μ,½"í^í,lfefLfXfg,í☞í☞œ,³,ê,Ü,·☞B



☐@fNfŠfbfvf{☐[fh fRfs☐[

Žw'è,μ,½"í^í"½"]•\Ž|,μ,½•"•ª☐j,lfefLfXfg,đfNfŠfbfvf{☐[fh,ÖfRfs☐[,μ,Ü,·☐B  
Žw'è,μ,½"í^í,lfefLfXfg,íí☐œ,³,ê,Ü,¹,ñ☐B



@fNfŠfbfvf{[fh ^ø—p•,,•t,«fRfs[

Žw'è,μ,½"í"i"½"]•\Ž!,μ,½•"•ªj,lfefLfXfg,ðfNfŠfbfvf{[fh,Ö^ø—  
p•,,ð•t,¯,ÄfRfs[μ,Û,·B

Žw'è,μ,½"í"i,lfefLfXfg,ííœ,³,ê,Û,¹,ñB

^ø—p•,,í [ŠÂ«[Ý'è] -> [•Ò[W,Q] -> [^ø—p•,,•t,«fRfs[,Á,ì^ø—p•,,]

,ÅŽw'è,μ,Ä%º,³,çB



☐@fNfŠfbfvf{☐[fh “\,è•t,~

fNfŠfbfvf{☐[fh,É, ,éfefLfXfg,ðŒ»fj☐[fv<^Ê'u,ÖfRfs☐[,μ,Ü,·☐B





@fufbfNfXf^bfN Ø,èŽæ,è

Žw'è,μ,½"í^i"½"]•\Ž|,μ,½•"•ªj,lfefLfXfg,đfufbfNfXf^bfN,ÖfRfs[μ,Ü,·B  
Žw'è,μ,½"í^i,lfefLfXfg,ííœ,³,ê,Ü,·B



@fuffbfNfXf^fbfN fRfs

Žw'è,μ,½"í^i"½"]•\Ž!,μ,½•"•ªj,lfefLfXfg,đfuffbfNfXf^fbfN,ÖfRfs[μ,Ü,·B

Žw'è,μ,½"í^i,lfefLfXfgifRfs[μ,½fefLfXfgj,ííœ,³,ê,Ü,¹,ñB

fuffbfNfXf^fbfN,ÖfRfs[.Å,«,éfuffbfN,ì'å,«,³,É§CEÀ,í, ,è,Ü,¹,ñB



@fuf fbfNfXf^fbfN ^ø—p•,,•t,«fRfs[]

Žw'è,μ,½"í^í"½"]•\Ž!,μ,½•"•ªj,lfefLfXfg,ðfuf fbfNfXf^fbfN,Ö^ø—  
p•,,ð•t,¯,ÄfRfs[],μ,Ü,·B  
Žw'è,μ,½"í^í,lfefLfXfg[]ifRfs[],μ,½fefLfXfg[]j,ííœ,³,ê,Ü,¹,ñB  
fuf fbfNfXf^fbfN,ÖfRfs[],Å,«,éfuf fbfN,ì'â,«,³,É\$CEÀ,í, ,è,Ü,¹,ñB  
^ø—p•,,í [ŠÂ«[]Ý'è] -> [•Ò[]W,Q] -> [^ø—p•,,•t,«fRfs[],Å,ì^ø—p•,,]  
,ÅŽw'è,μ,Ä%ºº,³,çB



@fuf fbfNfXf^fbfN “\,è•t,~

fuf fbfNfXf^fbfN,Ö ÅÆã,ÉfRfs [.,μ,½fefLfXfg,ðÆ»fj [f\<^Ê'u,Ö“\,è•t,~,Ü,. B  
fuf fbfNfXf^fbfN,ìfefLfXfg i“\,è•t,~,½fefLfXfgj,Ííœ,³,ê,Ü,¹,ñ B



@fuf fbfNfXf^fbfN ‘}“ü

fuf fbfNfXf^fbfN, Ö Å Æ ä, É f R f s [ , μ, ½ f e f L f X f g, ð Æ » f j [ f v < ^ Ê ‘ u, Ö “ \, è • t, ¯, Ü, · □ B  
fuf fbfNfXf^fbfN, ì Å Æ ä ” ö fuf fbfN, ì f e f L f X f g □ i “ \  
, è • t, ¯, ½ f e f L f X f g □ j, Í □ í □ œ, ³, ê, Ü, · □ B



☉ C^ÓufufbfN,ì“\,è•t,¯

fufbfNfXf^fbfN,ì”C^Ó,ì^Ê’u,ìfefLfXfg,ðCE»fj[f^Ê’u,Ö“\,è•t,¯,Ü,·B  
fufbfNfXf^fbfN,ìfefLfXfg“à—e,af\_fCfAfO“à,ìEfcf“fhfE,É•\  
Ž!,³,è,Ü,·iÅ’å,P,O,Q,SfofCfg,Ü,Åj,ì,Å“à—e,ðŠm”F,μ,È,ª,çì<Æ,ª,Å,«,Ü,·B  
fufbfNfXf^fbfN,ìfefLfXfgi“\,è•t,¯,½fefLfXfgj,Ííœ,³,è,Ü,¹,ñB  
“\,è•t,¯,éfufbfN,ì’å,«,³,É§CEÀ,Í, ,è,Ü,¹,ñB

☉EufufbfN,m,☉B

☉@•Ú’¶,³,è,Ä,ç,éfufbfN,ìCEÂ”,ÆCE»ÝŽQÆ,μ,Ä,ç  
,éfufbfN^Ê’u☉A☉ufbfN,ì’å,«,³,ð•Ž!,μ,Ü,·B

☉E’O,Ö

☉@,Ð,Æ,Â’O☉iCEÄ,çfufbfNj,ìfufbfN,Ö^Ú“® ,μ,Ü,·B

☉EŽŸ,Ö

☉@,Ð,Æ,ÂŽŸ☉iV,μ,çfufbfNj,ìfufbfN,Ö^Ú“® ,μ,Ü,·B

☉EŽÀs

☉@CE»ÝŽQÆ,μ,Ä,ç,éfufbfN,m,☉B☉ifufbfN^Ê’u☉j,ìfufbfN,ì“\  
,è•t,¯,ðŽÀs,μ,Ü,·B

☉E|—¹

☉@ì<Æ,ð|—¹,μ,Ü,·B



## @fXf^fbfNfefLfXfgíœ

fuf[]fbfNfXf^fbfN,ì'SfefLfXfgff[]f^,ðí[]œ,μ,Ü,·[]B  
 fuf[]fbfNfXf^fbfN,Ö,ì[]Ø,èŽæ,è[]Efrfs[][,ð,-  
 ,è•Ô,·,Æfuf[]fbfNfXf^fbfN,ìff[]f^,ª,Ç,ñ,Ç,ñ'å,«,,È,è,Ü,·[]B, ,Ü,è'å,«,-  
 ,È,é,Æf[]f,fŠ,ð•s•K—v,É[]è—L,μ,½,èfef“fj%f%ofŠ[]ftf@fCf<,ª'å,«,,È,Á,½,è,μ,Ü,·[]B  
 •[]'Ê,ÉŽg,α[]ê[]‡,í•K—v, ,è,Ü,<sup>1</sup>,ñ,ª[]AfXf^fbfNfefLfXfg,É,½,,<sup>3</sup>,ñ,ì•s•K—  
 v,Èff[]f^,ª, ,é,Æ,«,É,í,±,ìfRf}f“fh,Åí[]œ,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ϕ[]B



@, , x, Ä, ð ' ' ð

fefLfXfg, ð, , x, Ä, ð ' ' ð ó Ô, É, µ, Ü, · B

' ' ð Š Ž n • ¶ Ž š, í fefLfXfg, ð æ " ¢ • ¶ Ž š A Å ¶ ' ' ð • ¶ Ž š, í fefLfXfg, ð Å Ą ä, ð • ¶ Ž š, Æ, È, è, Ü, · B

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 □@[ON], Ä, ·, é, Í"¼Šp%ü□p'á • ¶Žš□E□→ • ¶Žš, ð<æ • Ê, μ, È, ç, ÄCEYõð, μ, Ü, · □B

□E'PCEê'P^Ê,ĀCEÿ□ō,·,é

□@[ON] ,Ā, ,ê,ÎCEÿ□ō•ŕŽš—ñ,đ'PCEê,Æ,μ,ĀCEÿ□ō,μ,Û,·□B

□@CEÿ□ō•ŕŽš—ñ,ì—¼—x,ì•ŕŽš,â'PCEê,ì<æ□Ø,è•ŕŽš,Ā, ,é,©,Ā"»'f,μ,Û,·□B

□@^Ê%oo°,ì•ŕŽšŽí•Ê,ì,ç, ,ê,©,Ā, ,ê,Î<æ□Ø,è•ŕŽš,Æ"»'f,μ,Û,·□B

□@,½,¾,μCEÿ□ō•ŕŽš—ñ,ì',â<æ□Ø,è•ŕŽš,Ā, ,ê,Î,»,,ç'α,Íf`fFbfN,μ,Û,¹,ñ□B

□@□E"¼ŠpfXfy□[fX□i20H□j□A□SCEä•ŕŽš□i00H-1FH□j□A'SŠpfXfy□[fX□i8140H□j

□@□E'\$'□A'\_' ,đ□œ,"¼Šp%op<L□†

□@□E'SŠp•ŕŽš

□E\,đfGfXfP□[fv•ŕŽš,Æ,μ,ĀCEÿ□ō,·,é

□@[ON] ,Ā, ,ê,ÎCEÿ□ō•ŕŽš—ñ't,ì,đfGfXfP□[fv•ŕŽš,Æ,μ,ĀCEÿ□ō,μ,Û,·□B

□@[OFF] ,Ā, ,ê,Î•□Ê,ì•ŕŽš,Æ" ,ŕ,Æ,μ,ĀCEÿ□ō,μ,Û,·□B

□@□m□³<K•\CE»,ĀCEÿ□ō,·,é□n,â [ON] ,ì□ê□‡,í□A\n,í□í,É

%oü□s,Æ,μ,Ā" FZ" ,³,ê,Û,·□B

□@fGfXfP□[fv•ŕŽš,Æ,μ,Ā,Î^Ê%oo°,ì•ŕŽš,đŽw'è,Ā,«,Û,·□B

□@□@ \n %oü□sfR□[fh

□@□@ \a fxf<(•ŕŽšfR□[fh,ì 7)

□@□@ \b fofbfNfXfy□[fX(•ŕŽšfR□[fh,ì 8)

□@□@ \t □...½f^fufR□[fh(•ŕŽšfR□[fh,ì 9)

□@□@ \v □,¼f^fufR□[fh(•ŕŽšfR□[fh,ì 11)

□@□@ \f ftfH□[f€ftfB□[fh(•ŕŽšfR□[fh,ì 12)

□@□@ \e fGfXfP□[fvfR□[fh(•ŕŽšfR□[fh,ì 27)

□@□@ \z fGf"fhlfuftf@fCf<(•ŕŽšfR□[fh,ì 26)

□E□³<K•\CE»,ĀCEÿ□ō,·,é

□@[ON] ,Ā, ,ê,ÎCEÿ□ō•ŕŽš—ñ,đ□³<K•\CE»•ŕŽš—ñ,Æ,μ,ĀCEÿ□ō,μ,Û,·□B

□@□³<K•\CE»,ĀCEÿ□ō,·,é□@,đ'í'đ,·,é,Æ

□@□E'â•ŕŽš□E□→•ŕŽš,đ<æ•Ê,μ,È,ç

□@□E'PCEê'P^Ê,ĀCEÿ□ō,·,é

□@□E\,đfGfXfP□[fv•ŕŽš,Æ,μ,ĀCEÿ□ōCEÿ□ō,·,é

□@□E□,"x,È , ,ç,Û,çCEÿ□ō

□@□E□,"x,È , ,ç,Û,çCEÿ□ō,Q(□{□³<K•\CE»)

□@,ì,TCEĀ,Íf,□[fh,í-³Ž<,³,ê,Û,·□B

□E□,"x,È , ,ç,Û,çCEÿ□ō



□@ [ON] ,Á, ,é, îĀĲĲō•ŋŽš—ñ,đ □,“x,È , ,č,Ü,čĀĲĲō,ĀĀĲĲō,μ,Ü,·□B  
□@, ,č,Ü,čĀĲĲō,Ā,ì, ,č,Ü,čĀĲĲō“x,í□A□,“x,È , ,č,Ü,čĀĲĲō,ì□Ÿ’è,Ā□s,È,Á,Ā  
%oo<sup>o</sup>,<sup>3</sup>,č□B

□@□,“x,È , ,č,Ü,čĀĲĲō,Ā,í  
□@□E’PĀĒĒ’P^Ē,ĀĀĲĲō,·,é  
□@□E\,đfGfXfP□[fv•ŋŽš,Ā,μ,ĀĀĲĲō,·,é  
□@□E□<sup>3</sup><K•\ĀĒ»,ĀĀĲĲō,·,é  
□@□E□,“x,È , ,č,Ü,čĀĲĲō,Q(□{□<sup>3</sup><K•\ĀĒ»)  
□@,ì,SĀĀ,ìf,□[fh,í-<sup>3</sup>Ž<<sup>3</sup>,é,Ü,·,<sup>a</sup>□A  
□@□E’â•ŋŽš□E□-•ŋŽš,đ<æ•Ē,μ,È,č  
□@,ìf,□[fh,í^Ē□□,ÉŽg—p,Ā,«,Ü,·□B  
□@□,“x,È , ,č,Ü,čĀĲĲō,í’Ē□í,îĀĲĲō,É”ä,x,Ā’½□ĀĲĲōŽžŠÔ,đ—v,μ,Ü,·,ì,Ā□AŽg  
—p,<sup>3</sup>,é,È,č□Ē□†,í•K, [OFF] ,É,μ,Ā,“,č,Ā%oo<sup>o</sup>,<sup>3</sup>,č□B

□E□,“x,È , ,č,Ü,čĀĲĲō,Q(□{□<sup>3</sup><K•\ĀĒ»)

□@ [ON] ,Á, ,é, îĀĲĲō•ŋŽš—ñ,đ □,“x,È , ,č,Ü,čĀĲĲō,Q(□{□<sup>3</sup><K•\ĀĒ»)  
,ĀĀĲĲō,μ,Ü,·□B

□@, ,č,Ü,čĀĲĲō,Q ,Ā,í, ,č,Ü,čĀĲĲō,É□<sup>3</sup><K•\ĀĒ»,đ^Ē□□,ÉŽg—  
p,Ā,«,éĀĲĲōf,□[fh,ì,±,Ā,Ā,·□B

□@, ,č,Ü,čĀĲĲō,Q ,ĀŽg—p,Ā,«,é□<sup>3</sup><K•\ĀĒ»,É,Ā,č,Ā,í□A□,“x,È , ,č,  
Ü,čĀĲĲō,ì□Ÿ’è,ìfwf<fv,đ,<sup>2</sup>—, ,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,č□B

□@, ,č,Ü,čĀĲĲō,Q ,Ā,ì, ,č,Ü,čĀĲĲō“x,í □,“x,È , ,č,Ü,čĀĲĲō,ì□Ÿ’è,Ā□s,È,Á,Ā  
%oo<sup>o</sup>,<sup>3</sup>,č□B

□@□,“x,È , ,č,Ü,čĀĲĲō,Q(□{□<sup>3</sup><K•\ĀĒ»),Ā,í

□@□E’PĀĒĒ’P^Ē,ĀĀĲĲō,·,é

□@□E\,đfGfXfP□[fv•ŋŽš,Ā,μ,ĀĀĲĲō,·,é

□@□E□<sup>3</sup><K•\ĀĒ»,ĀĀĲĲō,·,é

□@□E□,“x,È , ,č,Ü,čĀĲĲō

□@,ì,SĀĀ,ìf,□[fh,í-<sup>3</sup>Ž<<sup>3</sup>,é,Ü,·,<sup>a</sup>□A

□@□E’â•ŋŽš□E□-•ŋŽš,đ<æ•Ē,μ,È,č

□@,ìf,□[fh,í^Ē□□,ÉŽg—p,Ā,«,Ü,·□B

□@□,“x,È , ,č,Ü,čĀĲĲō,Q ,í’Ē□í,îĀĲĲō,É”ä,x,Ā’½□ĀĲĲōŽžŠÔ,đ—  
v,μ,Ü,·,ì,Ā□AŽg—p,<sup>3</sup>,é,È,č□Ē□†,í•K, [OFF] ,É,μ,Ā,“,č,Ā%oo<sup>o</sup>,<sup>3</sup>,č□B

□EĀĲĲōŽ ,”sŽžfr□[fv%<sup>o1</sup>,đ-Ā,č,·

□@ [ON] ,Á, ,é, îĀĀĀĲĲō•ŋŽš—ñ,<sup>a</sup>ĀĒ©,Ā,©,ç,È,©,Ā,½,Ā,«,É,ífr□[fv%<sup>o1</sup>,đ-  
Ā,ç,μ,Ü,·□B

ACEŸŸöŽ,"sžžfbfZ[fW,ð•\Ž|,·,é

@[ON] ,Å, ,ê,ÎACEŸŸö•Ÿš—ñ,ªCE©,Â,©,ç,È,©,Á,½,Æ,«,É,Í,»,ìŽ|  
,ìfbfZ[fW,ð•\Ž|,µ,Û,·B



**0@ZY(0«),0CY0õ**

CE»0Y,ìCEYõõðCE,Å•0Žš—ñ,ð'O•ûCEYõõ,µ,Û,·0B  
CE»fj0[fv<^Ê'u,ì•0Žš—ñ,ðCEYõõ,µ,½,ç0ê0‡,Í0A  
fL0[fRf}f"fh,U,W0mCEYõõ•0Žš—ñ,ìžæ"¾0n,Åf0[fv<^Ê'u,ì•0Žš—  
ñ,ðžæ"¾,·,ê,Î0ACEYõõf\_cfAf0fO,ðŠ,,±,Æ,È,¡žÀ0s,Å,«,Û,·0B



## o(ä), ðeÿö

»Ý, ðeÿöððe, Å•ŕžš—ñ, ðeã•úeÿö, µ, Ü, ·B  
»fj[f^É'u, ðeÿö, µ, ½, çê‡, íA  
fL[fRf}f“fh, U, Wm eÿö•ŕžš—ñ, ðeã“¾n, Åfj[f^É'u, ðeÿö—  
ñ, ðeã“¾, ·, ê, íeÿöðf\_cfAf\_fo, ðšj, , ±, Æ, È, 'žÀs, Å, «, Ü, ·B



☞@fšfAf<f^fCf€ÉĚŸö

Ě»Ÿ,ìĚŸöððĚ,Å•ŋŽš,ì“ü—í,Éí,μ,Ä [fšfAf<f^fCf€,ÉĚŸö] ,μ,Ü,·B  
“ü—í,μ,½•ŋŽš,ð,·,×,ÄÁ,·,©A[‘†Ž~] f{f^f“,É,Ä|—  
¹,·,é,ÆŽÀs’O,ìĚŸöðšJžn^É’u,Ö-β,è,Ü,·B  
,±,ì<@”\,íA[fCf“fNfšf“f^f<fT[f` ] ,Æ,àĚÄ,î,ê,Ä,ç,Ü,·B



'uš·□đŹw'è,μ,Ä•¶Žš—ñ,đ'u,«Š·,|,Ü,·□B  
 ffftfHf<fg,ìŒÿ□ō•¶Žš—ñ,Æ,μ,Äfj□[fj<^ê'u,ì•¶Žš—  
 ñ,afZfbfg,<sup>3</sup>,ê,Ü,·,ª□A"C^Ó,ì•¶Žš—ñ□i~\_—  
 □□s,Å,P□s^È"à□j,đfZfbfg,μ,½,¢□ê□‡,Í,»,ì•¶Žš—ñ,đ"½""]·\  
 Ž!□i'I'đ□j,μ,Ä'uŠ·,đŽÀ□s,<sup>3</sup>,ê,é,Æ,»,ì•¶Žš—ñ,ªŒÿ□ō•¶Žš—ñ,Æ,μ,ÄfZfbfg,<sup>3</sup>,ê,Ü,·

Œÿ□ō•¶Žš—ñ□A'uŠ·•¶Žš—ñ,í□A'â,P,QŒĀ,Ü,Å·Û'¶,<sup>3</sup>,ê,Ü,·,ì,ÅfajXfgfŠ□[<@"\  
 ,ªŽg,|,Ü,·□B

%ü□s,đŠÜ,p,Q□s^È□ã,ì•¶Žš—ñ,ì'uŠ·,đ,μ,½,¢□ê□‡,Í^È%ü□,ì,æ,π,É,μ,Ä%ü□,<sup>3</sup>,¢□B  
 □m\,đfGfXfP□[fv•¶Žš,Æ,μ,ÄŒÿ□ō□A'uŠ·□n,đ ON ,É,μ,Ä%ü□,<sup>3</sup>,¢□B  
 ,»,π,·,é,Æ□A\n ,í%ü□s,đ^Ó-¡,·,é"Á·Ê,ì<L□†,Æ,μ,Ä"FŽ~,<sup>3</sup>,ê,Ü,·□B

Žÿ,ì,æ,π,È%ü□s,Å□|,í,é,R□s,ì•¶Žš—ñ□i□¶□j,đ,Q□s,ì•¶Žš—ñ□i  
 %üE'π□j,Å'u,«Š·,|,½,¢□ê□‡,Í□B  
 (CR) ,í%ü□s,Å,·□B

|            |            |
|------------|------------|
| Œÿ□ō•¶Žš—ñ | 'uŠ·•¶Žš—ñ |
| 123(CR)    | 123(CR)    |
| 456(CR)    | 789(CR)    |
| (CR)       |            |

**123\n456\n\n** ,ÆŒÿ□ō•¶Žš—ñ,đfZfbfg,μ,Ä  
**123\n789\n** ,Æ'uŠ·•¶Žš—ñ,đfZfbfg,μ,Ä%ü□,<sup>3</sup>,¢□B  
 \n ,í%ü□s,đ^Ó-¡,·,é"Á·Ê,ì<L□†,Æ,μ,Ä"FŽ~,<sup>3</sup>,ê,Ü,·□B

'uŠ·Ží·Ê  
 □E^êŠ‡  
 □@'î□Û,Æ,È,éfefLfXfg,·,×,Ä,đ^êŠ‡,μ,Ä□^—□,μ,Ü,·□B  
 □EŒĀ·Ê  
 □@^êŒĀ,Ä,ÄŠm"F,đ<□,ß,ÄŒĀ·Ê,É□^—□,μ,Ü,·□B

'uŠ·"í^í  
 'î□Û,Æ,È,éfefLfXfg,ì"í^í,đ'I'đ,μ,Ü,·□B

ŽŸ, ì, ç, , ê, ©, ð'í, ñ, Å%ºº, ³, ç □B

□E'S'ì

□@fefLfXfg'S'ì, ð"í'í, Æ, μ, Ü, · □B

□Ej□[fj<^È~

□@CE>j□[fj<^È'u^È~ , æ, èfefLfXfg, ì ÅCEã, Ü, Å, ð"í'í, Æ, μ, Ü, · □B

□Ej□[fj<^È'O

□@fefLfXfg, ì □æ"ª, æ, èCE>j□[fj<^È'u, Ü, Å, ð"í'í, Æ, μ, Ü, · □B

□E'í'ð, μ, ½"í'í"à, ì, Ý

□@•¶Žš'P^Ê□E□s'P^Ê, Å'í'ð, μ, ½"í'í"à, ì, Ý, ð"í'í, Æ, μ, Ü, · □B

□@<éCE`fuf□fbfN, Å, ì'í'ð, Å, í'í'í, Æ, í, È, è, Ü, ¹, ñ □B

□@□®□A'í'ð, μ, ½"í'í"à, ì, Ý, ð"í'í, Æ, μ, Å'í, ñ, ¾□ê□#, í□m'uŠ.□^—□ŽÀ□sCEã

ŠJŽn^È'u, Ö-ß, é□n, ì□@f`fFfbfN, ì" @%º½, ÉŠÖ, í, ç, , 'uŠ.□^—

□ŽÀ□sCEã, ÍŠJŽn^È'u, Ö-ß, è, Ü, · □B

'uŠ.□ðCE□

□E'á•¶Žš□E□¬•¶Žš, ð<æ•Ê, μ, È, ç

□@[ON] , Å, , ê, î"¼Šp%ºp'á•¶Žš□E□¬•¶Žš, ð<æ•Ê, μ, È, ç, ÅCEŸ□ð•¶Žš—

ñ, ðCEŸ□ð, μ, Ü, · □B

□E'PCEê'P^Ê, ÅCEŸ□ð, , é

□@[ON] , Å, , ê, ÎCEŸ□ð•¶Žš—ñ, ð'PCEê, Æ, μ, ÅCEŸ□ð, μ, Ü, · □B

□@CEŸ□ð•¶Žš—ñ, ì—¼—x, ì•¶Žš, º'PCEê, ì<æ□Ø, è•¶Žš, Å, , é, ©, Å"»'f, μ, Ü, · □B

□@^È%º, ì•¶ŽšŽí•Ê, ì, ç, , ê, ©, Å, , ê, ì<æ□Ø, è•¶Žš, Æ"»'f, μ, Ü, · □B

□@, ½, ¾, μCEŸ□ð•¶Žš—ñ, ì[, º<æ□Ø, è•¶Žš, Å, , ê, î, » , ç'x, í`fFfbfN, μ, Ü, ¹, ñ □B

□@□E"¼ŠpfXfy□[fX□i20H□j□A□sCEã•¶Žš□i00H-1FH□j□A'SŠpfXfy□[fX□i8140H□j

□@□E'\$'A'\_' , ð□æ, "¼Šp%ºp<L□†

□@□E'SŠp•¶Žš

□E\, ðfGfXfP□[fv•¶Žš, Æ, μ, ÅCEŸ□ð□A'uŠ.

□@[ON] , Å, , ê, Î, ðfGfXfP□[fv•¶Žš, Æ, μ, ÅCEŸ□ð□A'uŠ, μ, Ü, · □B

□@[OFF] , Å, , ê, î•□'Ê, ì•¶Žš, Æ"¬ , ¶, Æ, μ, ÅCEŸ□ð□A'uŠ, μ, Ü, · □B

□@fGfXfP□[fv•¶Žš, Æ, μ, Å, í^È%º, ì•¶Žš, ðŽw'è, Å, «, Ü, · □B

□@□@ \n %ü□sfR□[fh

□@□@ \a fxf<(•¶ŽšfR□[fh, ì 7)

□@□@ \b fofbfNfXfy□[fX(•¶ŽšfR□[fh, ì 8)

□@□@ \t □...½f^fufR□[fh(•¶ŽšfR□[fh, ì 9)

□@□@ \v □, ¼f^fufR□[fh(•¶ŽšfR□[fh, ì 11)

□@□@f ftfH□[f€ftfB□[fh(•¶ŽšfR□[fh,ì 12)  
□@□@e fGfXfP□[fvfR□[fh(•¶ŽšfR□[fh,ì 27)  
□@□@z fGf“fhlfuftf@fCf<(•¶ŽšfR□[fh,ì 26)

□E□<sup>3</sup><K•\CE»CEÿ□ō

□@[ON] ,Å, ,ê,ÎCEÿ□ō•¶Žš—ñ,ð□<sup>3</sup><K•\CE»•¶Žš—ñ,Æ,μ,ÄCEÿ□ō,μ,Û,·□B  
□@□<sup>3</sup><K•\CE»,ÅCEÿ□ō,·,é□@,ð‘‘ð,·,é,Æ  
□@□E‘â•¶Žš□E□→•¶Žš,ð<æ•Ê,μ,È,ç  
□@□E‘PCEê‘P^Ê,ÅCEÿ□ō,·,é  
□@□E\,ðfGfXfP□[fv•¶Žš,Æ,μ,ÄCEÿ□ō,·,é  
□@□E□,“x,È , ,ç,Û,çCEÿ□ō  
□@□E□,“x,È , ,ç,Û,çCEÿ□ō,Q(□{□<sup>3</sup><K•\CE»)  
□@,ì,TCEÂ,ìf,□[fh,í-<sup>3</sup>Ž<,³,ê,Û,·□B

□E□,“x,È , ,ç,Û,çCEÿ□ō

□@[ON] ,Å, ,ê,ÎCEÿ□ō•¶Žš—ñ,ð □,“x,È , ,ç,Û,çCEÿ□ō,ÅCEÿ□ō,μ,Û,·□B  
□@, ,ç,Û,çCEÿ□ō,Å,ì, ,ç,Û,çCEÿ□ō“x,í □,“x,È , ,ç,Û,çCEÿ□ō,ì□Y‘è ,Å□s,È,Á,Ä  
%oo<sup>2</sup>,³,ç□B  
□@□,“x,È , ,ç,Û,çCEÿ□ō,Å,í  
□@□E‘PCEê‘P^Ê,ÅCEÿ□ō,·,é  
□@□E\,ðfGfXfP□[fv•¶Žš,Æ,μ,ÄCEÿ□ō,·,é  
□@□E□<sup>3</sup><K•\CE»,ÅCEÿ□ō,·,é  
□@□E□,“x,È , ,ç,Û,çCEÿ□ō,Q(□{□<sup>3</sup><K•\CE»)  
□@,ì,SCEÂ,ìf,□[fh,í-<sup>3</sup>Ž<,³,ê,Û,·,ª□A  
□@□E‘â•¶Žš□E□→•¶Žš,ð<æ•Ê,μ,È,ç  
□@,ìf,□[fh,í^ê□□,ÉŽg—p,Å,«„Û,·□B  
□@□,“x,È , ,ç,Û,çCEÿ□ō,í‘Êí,ìCEÿ□ō,É”ä,x,Ä½□CEÿ□ōŽŽŠÔ,ð—v,μ,Û,·,ì,Å□AŽg  
—p,³,ê,È,ç□ê□‡,í•K, [OFF] ,É,μ,Ä,“,ç,Ä%oo<sup>2</sup>,³,ç□B

□E□,“x,È , ,ç,Û,çCEÿ□ō,Q(□{□<sup>3</sup><K•\CE»)

□@[ON] ,Å, ,ê,ÎCEÿ□ō•¶Žš—ñ,ð □,“x,È , ,ç,Û,çCEÿ□ō,Q(□{□<sup>3</sup><K•\CE»)  
 ,ÅCEÿ□ō,μ,Û,·□B  
□@, ,ç,Û,çCEÿ□ō,Q ,Æ,í, ,ç,Û,çCEÿ□ō,É□<sup>3</sup><K•\CE»,ð^ê□□,ÉŽg—  
p,Å,«„éCEÿ□ōf,□[fh,ì,±,Æ,Å,·□B  
□@, ,ç,Û,çCEÿ□ō,Q ,ÅŽg—p,Å,«„é□<sup>3</sup><K•\CE»,É,Â,ç,Ä,í□A □,“x,È , ,ç  
 ,Û,çCEÿ□ō,ì□Y‘è,ìfwf<fv,ð,<sup>2</sup>—,¾,³,ç□B  
□@, ,ç,Û,çCEÿ□ō,Q ,Å,ì, ,ç,Û,çCEÿ□ō“x,í □,“x,È , ,ç,Û,çCEÿ□ō,ì□Y‘è ,Å□s,È,Á,Ä



%º,³,çB

Q@Q,“x,È , ,ç,Ü,çŒÿQð,Q(Q{Q³<K•\Œ»),Å,Í

Q@Q'E'PŒê'P^Ê,ÅŒÿQð,·,é

Q@Q'E\,ðfGfXfPQ[fv•ŒŽš,Æ,µ,ÄŒÿQðŒÿQð,·,é

Q@Q'E{Q³<K•\Œ»,ÅŒÿQð,·,é

Q@Q'EQ,“x,È , ,ç,Ü,çŒÿQð

Q@,Ì,SŒÂ,Ìf,[[fh,Í-³Ž<,³,ê,Ü,·,ªQ

Q@Q'E'â•ŒŽšQEQ¬•ŒŽš,ð<æ•Ê,µ,È,ç

Q@,Ìf,[[fh,Í^êQ,ÉŽg—p,Å,«,Ü,·QB

Q@Q,“x,È , ,ç,Ü,çŒÿQð,Q ,Í^ÊQÍ,ÌŒÿQð,É”ä,x,Ä'½QŒÿQðŽžŠÔ,ð—

v,µ,Ü,·,ª,ÅQŽg—p,³,ê,È,çQêQ‡,Í•K, [OFF] ,É,µ,Ä,“,ç,Ä%º,³,çB

Q'E'uŠ•Q^—QŽÀQsŒăQÅŠŽn^Ê'u,Ö-ß,é

Q@[ON] ,Å, ,ê,Î'uŠ•Q^—QŽÀQsŒăQÅfjQ[fj<^Ê'u,ðQ^—QŠŽn^Ê'u,Ö-ß,µ,Ü,·QB

Q'E^êš‡'uŠ•QAQ,'¬f,[[fh,Å,ÌŽÀQs

Q@[ON] ,Å, ,ê,Î^êš‡'uŠ,ÌŽÀQs'+%æ-Ê,ÌXQV,ðQs,Í, , 'uŠ•Q^—Q,ðQ,'¬,ÉQs,ç,Ü,·QB

Q@Q^—QŒQ” ,Ì'½,çfefLjXfg,ÅŽg—p,³,ê,Ü,·,Æ,©,È,èQ^—QŽžŠÔ,ð'ZQk,Å,«,Ü,·QB

Q@•\Ž!QÝ'è,Ì•ÒQWf,[[fhQA,PQs,ÌQ” ,|•û,ðQm%üQs,Ü,Å,ð,PQs,Æ,·,éQi~—

QsQjQnf,[[fh,ÅŽÀQs,·,é•û,ªQm•\Ž!Qs,ð,PQs,Æ,·,éQi\

Ž!QsQjQnf,[[fh,æ,è,àQA,æ,èQ,'¬,ÉŽÀQs,Å,«,Ü,·QB

Q@Q®QA,±,Ìf,[[fh,Å,ÍQm'uŠ•Q^—QŽÀQsŒă ŠŽn^Ê'u,Ö-ß,éQn,Ìf`fFfbfN,Ì”@

%º½,ÉŠÖ,Í,ç, , 'uŠ•Q^—QŽÀQsŒă,ÍŠŽn^Ê'u,Ö-ß,è,Ü,·QB

Q'E“r't,Ì'uŠ•ŒQ”•\Ž!

Q@^êš‡'uŠ•QAQ,'¬f,[[fh,Å,ÌŽÀQsŽžQA“r't,Ì'uŠ•ŒQ”•\Ž!,ðQs,¤,©,Ç,¤,©,ðŽw'è,µ,Ü,·QB

Q@Qm,µ,È,çQnQAQm,·,éQn,Ì,ç, , ê,©,ð'Ì,ñ,Å%º,³,çB

Q@“r't,Ì'uŠ•ŒQ”•\Ž!,ð,µ,È,çQêQ‡QA'uŠ•Q^—Q,ð^ê'i,Æ'¬,Qs,Ì,Ü,·QB

Q@'â—e—Êftf@fCf<,ÅQ^—QŒQ” ,ª'½,çQêQ‡,ÉŽg—p,³,ê,é,Æ•Ö—~ ,Å,·QB

Q'E'uŠ•Ž ,”sŽžfrQ[fv%º¹,ð-Â,ç,·

Q@'u,«Š,·,Ì,½•ŒŽš—ñ,ª,PŒQ,à,È,©,Á,½,Æ,«,É,Í,»,ÌŽ|,ÌfQfbfZQ[fW,ð\

Ž!,µ,Ü,·,ªQA[ON] ,Å, ,ê,Î,»,ê,Æ“Žž,ÉfrQ[fv%º¹,ð-Â,ç,µ,Ü,·QB

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□E,í,ç(&Y)

□@'uŠ•,đŽÀ□s,μ,ÄŽŸ,đf`fFfbfN,É□s,«,Ü,·□B

□E,ç,ç,|(&N)

□@'uŠ•,¹,,ÉŽŸ,đf`fFfbfN,É□s,«,Ü,·□B

□E^ê<C,É(&S)

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□E,â,è'¼,μ(&U)

□@□ÅÆă,É□s,Á,½'uŠ•,đŽæ,è□Á,μ,Ä'uŠ•,·,é'O,ì□ó'Ô,Ö□^—□,đ-ß,μ,Ü,·□B

□E'tŽ~(&C)

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☐@fefLjXfg,ì☐æ“<sup>a</sup>,Ö

fefLjXfg,ì☐æ“<sup>a</sup>Ê'u,Ö^Ú“®,μ,Û,·☐B



## ☐@fefLfXfg,ìŽw'è☐s,Ö

☐s"Ô☐t,đ"ü—í,µfefLfXfg,ìŽw'è☐s,Ö^Ú"® ,µ,Ü,·☐B  
 Žw'è☐s,ªfefLfXfg,ìÅ☐I☐s,æ,è'â,« ,ç☐ê☐‡,ÍfefLfXfg,ìÅ☐I☐s,Ö^Ú"® ,µ,Ü,·☐B  
 ☐s"Ô☐t•¶Žš—ñ,í☐Å'â,τÆÂ,Ü,Å•Û'¶,³,é,Ü,·,ì,ÅfçfXfgfŠ☐[<@"\,ªŽg,ì,Ü,·☐B  
 ☐m,P☐s,ì☐",ì•û☐n,đ☐m%œ-Ê•\Ž!☐s,đ,P☐s,Æ,·,é☐i•\  
 Ž!☐s☐j☐nf,☐[fh,Å☐m☐s"Ô☐t,Ífy☐[fW"à☐s"Ô☐t,đ•\Ž!,·,é☐n,ÅŽg—p,³,é,Ä,ç,é☐ê☐‡,í  
 fy☐[fW"à☐s"Ô☐t,Ö.ìfWfff"fv ,ìf\_cfAfhfO,ªŠJ,« ,Ü,·,ì,Å☐A  
 fy☐[fW"Ô☐t,Æ☐s"Ô☐t,đ"ü—í,µ,ÄŽw'èfy☐[fW"à,ìŽw'è☐s,Ö^Ú"® ,µ,Ü,·☐B



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fy[fW”Ôt,Æs”Ôt,ð“ü—í,μ,ÄŽw’èfy[fW“à,ìŽw’è[s,Ö^Ú“® ,μ,Ü,·B  
Žw’èfy[fW,ªÅfy[fW,æ,è’å,«,çêþ,íÅfy[fW,ìÅ[s,Ö^Ú“® ,μ,Ü,·B  
Žw’è[s,ª,Pfy[fW“-  
,½,è,ì[s” ,æ,è’å,«,çêþ,íŽw’èfy[fW,ìÅ[s,Ö^Ú“® ,μ,Ü,·B  
Žw’è[s,ª“ü—í,³,ê,È,çêþ,íŽw’èfy[fW,ìæ“ª[s,Ö^Ú“® ,μ,Ü,·B  
fy[fW”ÔtA[s”Ôt,Æ,à,É,P^Èã,ìl,ð“ü—í,μ,Ä%ºº,³,çi,O,í“ü—í,Å,«,Ü,¹,ñjB



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☐»☐Ý,ìfj☐[fʃ<^Ê'u,ðf}☐[fN,μ,Ü,·☐B

f}☐[fN,μ,½fj☐[fʃ<^Ê'u,Ö,í☐mf}☐[fN^ê——,ÆfWfff“fv☐n,Å^Ú“® ,μ,Ü,·☐B

fj☐[fʃ<^Ê'u,ífefLfXfg-^,É,P,☐EÂ,Ü,Åf}☐[fN,Å,«,Ü,·☐B



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fjⓂ[fʌ<^Ê'u,ÍfefLfXfg-^,É,P,OĈÊ,Ü,Åf}Ⓜ[fN,Å,«,Ü,·ⓂB

ⓂEŽÀⓂs

ⓂmfjⓂ[fʌ<^Ê'uf}Ⓜ[fNⓂn,Åf}Ⓜ[fN,μ,½^Ê'u,ªÅ'â,P,OĈÊ,Ü,Å•Û'¶,³,ê,»,ì^Ê'u,ª•\ Ž!,³,ê,Ü,·,ì,ÅⓂA,ç,,ê,©,đ'í'đ,μ[ŽÀⓂs],³,ê,é,Æ,»,ìfjⓂ[fʌ<^Ê'u,Ö^Ú“® ,Å,«,Ü,·ⓂB

ⓂE'tŽ~

fWfff“fv,ì□^—□,đ'tŽ~,μ,Ü,·ⓂB

[tŽ~],μ,½Ⓜê□‡,à[□í□œ],É,Äí□œ,μ,½fjⓂ[fʌ<^Ê'uf}Ⓜ[fN□€-

Ú,ÍŽæ,è□Á,³,ê,Ü,¹,ñ,ì,ÅⓂA□í□œ,μ,½fjⓂ[fʌ<^Ê'uf}Ⓜ[fN□€-Ú,đĈ³,É-β,μ,Ä□^—

□,đ'tŽ~,μ,½,ç□ê□‡,Í[,â,è'¼,μ],Åf}Ⓜ[fN□€-Ú,ì□ó'Ô,đĈ³,Ö-β,μ,Ä,©,ç[tŽ~],μ,Ä %oº,³,çⓂB

ⓂE□í□œ

Ĉ»□Ý'í'đ,³,ê,Ä,ç,é,fjⓂ[fʌ<^Ê'uf}Ⓜ[fN□€-Ú,đ□í□œ,μ,Ü,·ⓂB

[□í□œ],đŽÀⓂs,μ,½Ĉ<%oÊ,Í,ç,Ä,ê,ì•û-@,Å,±,ìfZfbfVf‡f“,đ□I—¹,μ,Ä,à"½

%of,³,ê,Ü,·ⓂB

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Ú,ì□ó'Ô,đĈ³,Ö-β,μ,Ä,©,ç,±,ìfZfbfVf‡f“,đ□I—¹,μ,Ä%oº,³,çⓂB

ⓂE,â,è'¼,μ

,·,x,Ä,ì□í□œ—š—đ,đŽæ,è□Á,μ,±,ìf\_cfAf□fO,đŠJ,ç,½Žž,ì□ó'Ô,ÖfjⓂ[fʌ

f<^Ê'uf}Ⓜ[fN□€-Ú,ì□Ý'è,đ-β,μ,Ü,·ⓂB





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ŽŸ(Ⓜ«),ìfjⓂ[fŸ<f}Ⓜ[fN^Ê'u,³Œ©,Â,©,ç,È,çⓂéⓂ‡,íjⓂ[fŸ<^Ê'u,íŒ³,ì^Ê'u,ì,Û,Û,Â,·ⓂB  
fjⓂ[fŸ<^Ê'u,ífefLfXfg-^,É,P,ŒŒÂ,Û,Âf}Ⓜ[fN,Â,«,Û,·ⓂB



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CE☐o,μ☐s,ìŸ'è,í☐A[•Ž!Ÿ'è] -> [•Ò☐Wf,☐[fh] -> [CE☐o,μ☐s,ìŸ'è] ,Å☐s,È,ç  
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☐E'!đ,μ,½☐€-Ú,đŽQ☐Æ,·,é  
[ON] ,Å, ,ê,îſſfAfç,É'!đ,μ,½CE☐o,μ☐s,Ö^Ú“® ,μ,Ü,·,ì,Å [ŽÀ☐s] ,·,é,±,Æ,È,-  
'!đ,μ,½☐€-Ú•tç,ì“à—e,đŽQ☐Æ,·,é,±,Æ,ª,Å,«,Ü,·☐B

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TAG  
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,ðf^fo[s,Æ,μ,ÄŠY"-ftf@fCf<,ðf[fuf",μf^fo[s,Ö^Ú"®,μ,Ü,·B  
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@ftf@fCf<,ðŠj,ç,Ä^Ú"®,μ,Ü,·B  
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,ÉfZfbfg,<sup>3</sup>,ê,½ftf@fCf<,É'í,μ,Ä^êŠř'uŠ•,ð☐s,ç,Ü,•☐B

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%öÿ,μ,Ä☐ACE»☐Ý'l'ð,<sup>3</sup>,ê,Ä,ç,éftf@fCf<,ð ['uŠ•'î☐Ûftf@fCf<(&T):] ,ÖfZfbfg,μ,Ü,•☐B

'l'ð,μ,½ftf@fCf<,l"à—e,Æftf@fCf<ftfCfY,í%ö,ìfrf...fA☐[fGfŠfA,É•\Ž!,<sup>3</sup>,ê,Ü,•☐B

[ŽÀ☐s] f{f^f",ð%öÿ,•,Æ☐A'î☐Û,Æ,È,éftf@fCf<☐",<sup>a</sup>•\Ž!,<sup>3</sup>,ê,Ä☐^—  
☐,ðŠŽn,•,éfbfZ☐[fW,<sup>a</sup>•\Ž!,<sup>3</sup>,ê,Ü,•☐B  
,±,±,Å **[Yes]** ,ð'l'ð,•,é,Æ☐^—☐,<sup>a</sup>ŠŽn,<sup>3</sup>,ê,Ü,•☐B  
☐^—☐☉<%öÊ,í,l,l,ì<N"®ftfHf<f\_ "à,É **MmSed.tmp** ,Æ,ç,æftf@fCf<-  
¼,Å•Û'ŕ,<sup>3</sup>,ê,Ü,•☐B

☐^—☐,<sup>a</sup>☐l—<sup>1</sup>,•,é,Æ☐u☐^—☐☉<%öÊ,ð•\Ž!,μ,Ü,•,©☐v,Æ,ç,æfbfZ☐[fW,<sup>a</sup>•\  
Ž!,<sup>3</sup>,ê,Ü,•☐B  
,±,±,Å **[Yes]** ,ð'l'ð,•,é,Æ☐^—☐☉<%öÊ,<sup>a</sup>•\Ž!,<sup>3</sup>,ê,Ü,•☐B  
☐^—☐☉<%öÊ,í **MmSed.tmp** ,ðŠJ,ç,Ä•\Ž!,μ,Ü,•☐B  
☐^—☐,μ,½ftf@fCf<☐"☐Aftf@fCf<-¼☐Aftf@fCf<-^,ì'uŠ•,μ,½☉☐☐""™,<sup>a</sup>•\  
Ž!,<sup>3</sup>,ê,Ü,•☐B

'î☐Û,Æ,È,éftf@fCf<,í☐AfGffBf^""™,ÅŠJ,ç,Ä☉,é,±,Æ,<sup>a</sup>Å,«<sup>a</sup>,é **feJfXfgftf@fCf<**  
,Å,•☐B

**EXE ,â DLL** ""™,ì **fofCfifŠftf@fCf<** ,íŽw'è,μ,È,ç,Å  
%ö,<sup>3</sup>,ç☐BŽw'è,μ,Ä,àofCfifŠftf@fCf<,íXfLfbfv,μ,Ä'uŠ•,í,μ,Ü,<sup>1</sup>,ň☐B  
,Ü,½☐A%öü☐s,ð☉ÿ☐ö•ŕŽš—ň☐A'uŠ••ŕŽš—ň,Æ,μ,ÄŽw'è,•,é,±,Æ,Å,«<sup>a</sup>,Ü,•,☐A~  
—☐☐s,Å,Q☐s^È☐ã,ì☐s(%öü☐s,ð,QCEÂ^È☐ãŠÜ,p☐s),ð☉ÿ☐ö•ŕŽš—  
ň,Æ,μ,ÄŽw'è,•,é,±,Æ,í,Å,«<sup>a</sup>,Ü,<sup>1</sup>,ň☐B('uŠ••ŕŽš—ň,Æ,μ,Ä,íŽw'è,Å,«<sup>a</sup>,Ü,•)

☐ð☉☐  
☐E'â•ŕŽš☐E☐→•ŕŽš,ð<æ•Ê,μ,È,ç  
☐@[ON] ,Å, ,ê,í"¼Šp%öp'â•ŕŽš☐E☐→•ŕŽš,ð<æ•Ê,μ,È,ç,Å☉ÿ☐ö•ŕŽš—  
ň,ð☉ÿ☐ö,μ,Ü,•☐B



□E\,đfGfXfP□[fv•ŇŽš,Æ,μ,ÄŒÿ□ō□A'uŠ·  
 □@[ON] ,Å, ,é,Î,đfGfXfP□[fv•ŇŽš,Æ,μ,ÄŒÿ□ō□A'uŠ·,μ,Ü,·□B  
 □@[OFF] ,Å, ,é,Î·□'É,Ì·ŇŽš,Æ“˘,Ň,Æ,μ,ÄŒÿ□ō□A'uŠ·,μ,Ü,·□B  
 □@fGfXfP□[fv•ŇŽš,Æ,μ,Ä,Í^È%º,Ì·ŇŽš,đŽw'è,Å,«,Ü,·□B  
 □@□@\\n %ü□sfR□[fh  
 □@□@\\a fxf<(•ŇŽšfR□[fh,Ì 7)  
 □@□@\\b fofbfNfXfy□[fX(•ŇŽšfR□[fh,Ì 8)  
 □@□@\\t □...·½f^fufR□[fh(•ŇŽšfR□[fh,Ì 9)  
 □@□@\\v □,'¼f^fufR□[fh(•ŇŽšfR□[fh,Ì 11)  
 □@□@\\f ftfH□[f€ftfB□[fh(•ŇŽšfR□[fh,Ì 12)  
 □@□@\\e fGfXfP□[fvfR□[fh(•ŇŽšfR□[fh,Ì 27)  
 □@□@\\z fGf“fhlfuftf@fCf<(•ŇŽšfR□[fh,Ì 26)

□E□³<K·\Œ»Œÿ□ō  
 □@[ON] ,Å, ,é,ÎŒÿ□ō•ŇŽš—ñ,đ□³<K·\Œ»•ŇŽš—ñ,Æ,μ,ÄŒÿ□ō,μ,Ü,·□B  
 □@□³<K·\Œ»Œÿ□ō□@,đ'Ì'đ,·,é,Æ  
 □@□E'â•ŇŽš□E□¬•ŇŽš,đ<æ•Ê,μ,È,ç  
 □@□E\,đfGfXfP□[fv•ŇŽš,Æ,μ,ÄŒÿ□ō,·,é  
 □@,Ì,QŒÂ,Ìf,□[fh,Í-³Ž<,³,é,Ü,·□B

□EfofbfNfAfbfvftf@fCf<,đ□ì□¬,·,é  
 □@[ON] ,Å, ,é,Î'uŠ·,đ□s,Å,½Œ³,Ìftf@fCf<,Ì fofbfNfAfbfvftf@fCf<,đ□ì□¬,μ,Ü,·□B  
 □@'É□í,Í [ON] ,ÅŽg—p,³,é,é,±,Æ,đ,“Š©,ß,μ,Ü,·□B  
 □EŠg'£Žq,đŽw'è,μ,Ä%º,³,ç  
 □@•Û'Ň,·,éfofbfNfAfbfvftf@fCf<,Ì Šg'£Žq ,đŽw'è,μ,Ä%º,³,ç□B  
 □@ffftfHf<fg,Å,Í "old" ,Æ,È,Á,Ä,ç,Ü,·□B%º½,àŽw'è,ª,È,ç□ê□‡,à "old"  
 ,Æ,È,è,Ü,·□B  
 □@"old" ,ªŽw'è,ª,é,Ä,ç,é□ê□‡□A—á,Ì,Í□A**Test.txt** ,Æ,ç,‡ftf@fCf<,Ì□ê□‡,Í  
**Test.old** ,Æ,ç,‡fofbfNfAfbfvftf@fCf<,ª□ì□¬,³,é,Ü,·□B

□E^ê——(&F):  
 □@,±,±,Åf□fCf<fhfj□[fh(\*),đŽg,Á,ÄŽw'è,μ,½ftf@fCf<,ªfŠfXfgf{fbfNfX,Ì't,É ^ê  
 ——•Ž! ,³,é,Ü,·□B  
 □@ffftfHf<fg,Å,Í ".\*.\*" ,Æ,È,Á,Ä,ç,ÄŒ»□Ý,ÌftfHf<f\_,'t,Ì,·,×,Ä,Ìftf@fCf<,ª^ê——•\  
 Ž!,³,é,Ü,·□B

□E'Ç%oÁ >>(&A)

□@[ 'Ç%oÁ >> ] f{f^f" ,ð%oÿ , ,Æ□ACE»□Ý'I'ð,³,ê,Ä,ç,éftf@fCf<,ð  
[ 'uŠ·'î□Ûftf@fCf<(&T): ] ,Ö'Ç%oÁ , ,é,±,Æ,ª,Å,« ,Ü , ·□B

□E'S'I'ð(&B)

□@[ 'S'I'ð ] f{f^f" ,ð%oÿ , ,Æ□AfŠfXfgf{fbfNfX,ì†,É^ê——•\Ž!,³,ê,ç,Ä,ç  
,é, , ,x,Ä,ìftf@fCf<,ð 'I'ð□ó'Ô ,É, , ,é,±,Æ,ª,Å,« ,Ü , ·□B

□E'uŠ·'î□Ûftf@fCf<(&T):

□@ , ± , ± , ìfŠfXfgf{fbfNfX,ì†,É•\Ž!,³,ê,ç,Ä,ç,é, , ,x,Ä,ìftf@fCf<,ª ^êŠ‡'uŠ , ìŽÀ□s  
,ì'î□Û,Æ,È,è□^—□,³,ê,Ü , ·□B

□E□í□œ >>(&A)

□@[ □í□œ >> ] f{f^f" ,ð%oÿ , ,Æ□ACE»□Ý'I'ð,³,ê,Ä,ç,éftf@fCf<,ð  
[ 'uŠ·'î□Ûftf@fCf<(&T): ] , © , ç□í□œ , ,é,±,Æ,ª,Å,« ,Ü , ·□B

□E'S'I'ð(&B)

□@[ 'S'I'ð ] f{f^f" ,ð%oÿ , ,Æ□AfŠfXfgf{fbfNfX,ì†,É^ê——•\Ž!,³,ê,ç,Ä,ç  
,é, , ,x,Ä,ìftf@fCf<,ð 'I'ð□ó'Ô ,É, , ,é,±,Æ,ª,Å,« ,Ü , ·□B

□@ , , ,x,Ä,ìftf@fCf<,ð [ 'uŠ·'î□Ûftf@fCf<(&T): ] , © , ç□í□œ , μ , ½ , ç□ê□‡ , ÉŽg—  
p , μ , Ü , ·□B

□@[ 'S'I'ð ] , ì□ó'Ô , Å [ □í□œ >> ] f{f^f" ,ð  
%oÿ , ,Æ□A , , ,x,Ä,ìftf@fCf<,ðfŠfXfgf{fbfNfX , © , ç□í□œ , ,é,±,Æ,ª,Å,« ,Ü , ·□B

□EŽÀ□s(&G)

[ ŽÀ□s ] f{f^f" ,ð%oÿ , ,Æ□A'î□Û,Æ,È,éftf@fCf<□" ,ª•\Ž!,³,ê,Ä□^—  
□ , ðŠŽn , ,é□fbfZ□[fW ,ª•\Ž!,³,ê,Ü , ·□B , ± , ± , Å **[Yes]** , ð'I'ð , ,é,Æ□^—□,ª ŠŽn  
,³,ê,Ü , ·□B

□E'tŽ~(&C)

[ 'tŽ~ ] f{f^f" ,ð%oÿ , ,Æ□Af\_fCfAf□fO , ð•Â , ¶ , Ä□^—□ , ð 'tŽ~ , μ , Ü , ·□B



@,f,q,d,o,ìŽÀs

Œÿð•Ÿš—ñAftf@fCf<-¼,ðŽw'è,µ,Ä,f,q,d,o,ðŽÀs,µ,Û,·B  
ffftfHf<fg,ìŒÿð•Ÿš—ñ,Æ,µ,Äfj[]f^Ê'u,ì•Ÿš—  
ñ,afZfbfg,<sup>3</sup>,ê,Û,·,ªA" C^Ó,ì•Ÿš—ñi~\_—  
[]s,Â,P[s^È"àj,ðfZfbfg,µ,½,ç[]ê[]†,Í,».,ì•Ÿš—ñ,ð"½"]\  
Ž!i'ì'ðj,µ,Ä,f,q,d,o,ðŽÀs,<sup>3</sup>,ê,é,Æ,»,ì•Ÿš—ñ,ªŒÿð•Ÿš—  
ñ,Æ,µ,ÄfZfbfg,<sup>3</sup>,ê,Û,·

Œÿð•Ÿš—ñ,Æ,µ,Ä"¼Šp,ìfXfy[]fX,ðŠÛ,Ý,½,ç[]ê[]†,Í•Ÿš—ñ,ì—  
¼'[,ðf\_fuf<fnfH[]fe[]fVf†",Â^í,ñ,Â%º,<sup>3</sup>,ç[]B  
—á,ì,î,Ý,©,ñ,Æ,è,ñ,<sup>2</sup>,ìŠÔ,É"¼Šp,ìfXfy[]fX,<sup>a</sup>, ,é•Ÿš—ñ,ðŒÿð•Ÿš—  
ñ,Æ,µ,½,ç,È,ç  
"Ý,©,ñ ,è,ñ,<sup>2</sup>"  
,Æ,µ,Ä%º,<sup>3</sup>,ç[]B

,Û,½ [Œÿð•Ÿš—ñ,ð•j"Žg—p%º,Æ,·,é] ,ð [ON] ,Æ,·,é,±  
,Æ,Â•j",ìŒÿð•Ÿš—ñ,ðŽw'è,µ,Ä,ì ,n,q(,Û,½,Í)[]A,` ,m,c(,©,Â)  
,Â,ìf}fbf` []s,ªŒÿð•Ÿš—ñ,Ä,«.,Û,·B

Œÿð•Ÿš—ñAŒÿð•Ÿš—ñAftf@fCf<-  
¼,í[]Á'â,P,QŒÂ,Û,Â•Û'Ÿ,<sup>3</sup>,ê,Û,·,ì,ÂfjXfjgš[]<@"\,ªŽg,ì,Û,·B

Œÿð•Ÿš—ñAftf@fCf<-¼,ìŽw'è,É,Í[]fCf<fhfj[]fh,ªŽg,ì[]A,Û,½"~Žž,É•j",ìftf@fCf<-  
¼,ªŽw'è,Â,«.,Û,·,Û,·B  
ftf@fCf<-¼,ì<æ[]Ø,è,É,Í"¼ŠpfXfy[]fX,Û,½,Íf^fu•Ÿš,ðŽg—p,µ,Û,·B  
Œÿð•Ÿš—ñAftf@fCf<-  
¼,Æ,µ,Ä"¼Šp,ìfXfy[]fX,ðŠÛ,ñ,<sup>3</sup>ftf@fCf<,ðŽw'è,·,é[]ê[]†,ìftf@fCf<-¼,ì—  
¼'[,ðf\_fuf<fnfH[]fe[]fVf†",Â^í,ñ,Â%º,<sup>3</sup>,ç[]B

—á[]F\*.CPP \*.H  
—á[]F"My File.txt"

ŽÀsŒ<%º,É,Í[]V<KfEfCf"fhfE,ð,PŒÂŠJ,ç,Ä,»,ì†,É•Ž!,<sup>3</sup>,ê,Û,·B  
ŠY"—,·,é[]s,<sup>a</sup>,P[]s,àŒ©,Â,©,ç,È,©,Á,½,Æ,«.,É,Í[]V<KfEfCf"fhfE,ÍŠJ,©,.,»,ìŽ|  
,ìf[]fbfZ[]fW,ð•Ž!,µ,Û,·B

□đĀ□

□EĀŸ□ō•ŕŽš—ñ,đ•i□"Žg—p%oĀ,Ā,·,é

□@[ON] ,Ā, ,ê,ĪĀŸ□ō•ŕŽš—ñ,<sup>a</sup>•i□"Žw'è,<sup>3</sup>,ê,½,à,ì,Ā,Ÿ,È,μĀŸ□ō,μ,Û,·□B

□@ĀŸ□ō•ŕŽš—ñ,í□Ā'â5ĀĀ,Û,ĀŽw'è□o—^,Û,·□B

□@•i□",ĪĀŸ□ō•ŕŽš—ñ,đ ,n,q(,Û,½,í)□A,`m,c(,Ā) ,ì,ç,Ā,ê,©,đ•\,·  
%o<sup>o</sup><L,ì•ŕŽš,Ā<æ□∅,Ā,ĀŽw'è,μ,Ā%o<sup>o</sup>,<sup>3</sup>,ç□B

□@□@,n,q(,Û,½,í) □□□□ |

□@□@,`m,c(,Ā) □□□□ &

□@,±,ì•ŕŽš( | □A&),í•K, ,¼Šp•ŕŽš,đŽg,Ā,Ā%o<sup>o</sup>,<sup>3</sup>,ç□B

□@,n,q(,Ā,Ā,`m,c(&),đ"~Žž,ÉŽg,±,±,Ā,í,Ā,«,Û,<sup>1</sup>,ñ□B

□@—á,í,Ī□A,è,ñ,<sup>2</sup> ,Ÿ,©,ñ ,Ô,Ç,± ,ì,ç,·,ê,©,ì•ŕŽš—  
ñ,đŠÛ,ñ,<sup>¾</sup>□s,Éf}fbf`<sup>,3,1,½,ç□ê□‡,í</sup>

□@,è,ñ,<sup>2</sup> | ,Ÿ,©,ñ | ,Ô,Ç,±

□@,ĀŽw'è,μ,Ā%o<sup>o</sup>,<sup>3</sup>,ç□B

□@—á,í,Ī□A,è,ñ,<sup>2</sup> ,Ÿ,©,ñ ,Ô,Ç,± ,ì,·,x,Ā,ì•ŕŽš—  
ñ,đŠÛ,ñ,<sup>¾</sup>□s,Éf}fbf`<sup>,3,1,½,ç□ê□‡,í</sup>

□@,è,ñ,<sup>2</sup> & ,Ÿ,©,ñ & ,Ô,Ç,±

□@,ĀŽw'è,μ,Ā%o<sup>o</sup>,<sup>3</sup>,ç□B

□@ | □A& ,ì•ŕŽš,ì'ŌĀě,í"¼ŠpfXfy□[fX•ŕŽš,đ•K, ,ü,ê,Ā%o<sup>o</sup>,<sup>3</sup>,ç□B

□@ĀŸ□ō•ŕŽš—ñ,Ā,μ,Ā"¼Šp,lfXfy□[fX,đŠÛ,Ÿ,½,ç□ê□‡,í•ŕŽš—ñ,ì—  
¼'[ ,đf\_fuf<fnfH□[fe□[fvf‡f" ,Ā^í,ñ,Ā%o<sup>o</sup>,<sup>3</sup>,ç□B

□@—á,í,Ī ,è,ñ,<sup>2</sup> ,Ā ,Ÿ,©,ñ ,ìŠÔ,É"¼Šp,lfXfy□[fX,<sup>a</sup> ,é•ŕŽš—ñ,Ā ,Ô,Ç,±  
,đĀŸ□ō•ŕŽš—ñ,Ā,μ,Ā,ç,·,ê,©,ì•ŕŽš—ñ,đŠÛ,ñ,<sup>¾</sup>□s,Éf}fbf`<sup>,3,1,½,ç□ê□‡,í</sup>

□@" ,Ÿ,©,ñ ,è,ñ,<sup>2</sup>" | ,Ô,Ç,±

□@,ĀŽw'è,μ,Ā%o<sup>o</sup>,<sup>3</sup>,ç□B

□@,Û,½"¼Šp•ŕŽš,Ā'SŠp•ŕŽš,đ"~^êž<,μ,ĀĀŸ□ō,μ,½,ç□ê□‡,í

□@ŸŸ°p | fšf"fs

□@"¼Šp•ŕŽš,Ā'SŠp•ŕŽš□A,»,ê,Éfjf^fjfi,Ā,Đ,ç,<sup>a</sup>,È,à"~^êž<,μ,ĀĀŸ□ō,μ,½,ç□ê□  
‡,í

□@ŸŸ°p | fšf"fs | ,è,ñ,<sup>2</sup>"

□@"™ ,ĀŽw'è,μ,Ā,·,ê,Ī,Ā,«,Û,·□B

□E□<sup>3</sup><K•\Ā» ,ĀĀŸ□ō,·,é

□@[ON] ,Ā, ,ê,Ī□<sup>3</sup><K•\Ā» ,ĀĀŸ□ō,μ,Û,·□B

□E□s“<sup>a</sup>,Ö□s”Ô□t,ð•\Ž|,·,é

□@[ON] ,Ă, ,ê,Îf}fbf` ,μ,½□s,ì□s“<sup>a</sup>,Ö□s”Ô□t,ð•t, ,Ă•\Ž|,μ,Û,·□B

□@,È,¨,±,ì□s”Ô□t,í%ü□s,Û,Ă,ð,P□s,Æ,μ,Ă□o—í,<sup>3</sup>,ê,Û,·□B

□E<sup>ê</sup>v,μ,È,©,Ă,½□s,ð•\Ž|,·,é

□@[ON] ,Ă, ,ê,Îf}fbf` ,μ,È,©,Ă,½□s,ð•\Ž|,μ,Û,·□B

□E<sup>â</sup>•¶Žš□E□→•¶Žš,ð<æ•Ê,μ,È,ç

□@[ON] ,Ă, ,ê,Î”¼Šp%op<sup>â</sup>•¶Žš□E□→•¶Žš,ð<æ•Ê,μ,È,ç,ĂĈÿ□ð•¶Žš—  
ñ,ðĈÿ□ð,μ,Û,·□B

□E<sup>ê</sup>v,μ,½□s□” ,ì,Ý,ð•\Ž|,·,é

□@[ON] ,Ă, ,ê,Îf}fbf` ,μ,½□s□” ,ìfg□[f^f<□” ,ì,Ý,ð•\Ž|,μ,Û,·□B

□EftfufHf<f\_ ,àĈÿ□ð<sup>î</sup>Ů,Æ,·,é

□@[ON] ,Ă, ,ê,ÎftfufHf<f\_<sup>a</sup>, ,ê,ÎftfufHf<f\_“à,ìftf@fCf<,àĈÿ□ð<sup>î</sup>Ů,Æ,μ,Û,·□B

□E□,‘¬f,□[fh,ĂŽÀ□s,·,é

□@[ON] ,Ă, ,ê,Î,f,q,d,o,ìŽÀ□s“r’t,ì%æ-Ê,ìX□V,ð□s,í, ,□^—□Ĉ□□” ,ì,Ý,ð•\Ž|,μ□^  
—□,ð□,‘¬,É□s,ç,Û,·□B

□@□^—□Ĉ□□□” ,ì½,çfefLfXfg,ĂŽg—p,<sup>3</sup>,ê,Û,·,Æ,©,È,è□^—□ŽžŠÔ,ð’Z□k,Ă,«,Û,·□B

□E,f,q,d,oŽ,“sŽžfr□[fv%<sup>1</sup>,ð-Ă,ç,·

□@ŠY“-,·,é□s,<sup>a</sup>P□s,àĈ©,Ă,©,ç,È,©,Ă,½,Æ,«,É,Í,»,ìŽ|,ìf□fbfZ□[fW,ð•\  
Ž|,μ,Û,·,<sup>a</sup>□A[ON] ,Ă, ,ê,Î,»,ê,Æ“~Žž,Éfr□[fv%<sup>1</sup>,ð-Ă,ç,μ,Û,·□B



@ftf@fCf<,l"äŠr

CE»ŸfAfNfefBfu,ÈfEfCf"fhfE,Æ,»,l'O,ÉfAfNfefBfu,<sup>3</sup>/<sub>4</sub>,Á,<sup>1</sup>/<sub>2</sub>fEfCf"fhfE,Æ,ð'îŰ,Æ,μ  
,ÄA—<sup>1</sup>/<sub>4</sub>•û,ìfefLfXfg,ìCE»fj[fj<^Ê'u,æ,èftf@fCf<,l"äŠr,ðŠJŽn,μ,Û,·B  
ŠJŽn'O,ìfEfCf"fhfE,ì•Ž!ó'Ô,<sup>a</sup>m,QCEÂ,ìfEfCf"fhfE,ðf^fCf<•\  
Ž!,·,é□n,Å,È,¯,ê,îŽ©"®"l,É,»,ìó'Ô,É,μ,Û,·B

—<sup>1</sup>/<sub>4</sub>•û,ìfefLfXfg,É'S^á,<sup>a</sup>,È,¯,ê,îfj[fj<^Ê'u,Í^Ú"®,<sup>1</sup>,,»,ìŽ|,ìf□fbfZ□[fW,<sup>a</sup>•\  
Ž!,<sup>3</sup>,ê,Û,·B  
'S^á,<sup>a</sup>,ê,îA—<sup>1</sup>/<sub>4</sub>•û,ìfefLfXfg,ìfj[fj<^Ê'u,Í'S^á"\_,Ö^Ú"®,μ,Û,·B

,±,ê^È~□AŠÂ«□Y'è,ìmfefLfXfgfEfCf"fhfE,ì'®□«□n,ì□m•\  
Ž!CE`Ž®□n,ìf^fCf<□A□mf^fCf<Žž□A•Ž!,·,éfefLfXfg,ì"□n,Í,Q,Æ,È,è,Û,·B



@fL[f{[fhf]}fNf, ì<L~^ŠJŽnA|—<sup>1</sup>

fL[f{[fhf]}fNf, ì<L~^, ðŠJŽn, μ, Ü, ·B<L~^'t, Å, , ê, î<L~^, ðC—<sup>1</sup>, μ, Ü, ·B  
<L~^, μ, ½fL[f{[fhf]}fNf, ímfL[f{[fhf]}fNf, ìŽÀs, ÅŽÀs, μ, Ü, ·B  
, È, "AfL[f{[fhf]}fNf, Å<L~^, Å, «, éff[f^—Ê, í, Q, O, S, WfofCfg, Ü, Å, Å, ·B  
, »., ê^Èã'â, «, ,, È, éêê‡, ím, l, lf}fNf, Å'g, ñ, Å%º, <sup>3</sup>, çB  
fL[f{[fhf]}fNf, ì<L~^'t, ífXfe[f^fXfo[, Émf}fNf<L~^'t, n, Æ•\Ž!, <sup>3</sup>, ê, Ü, ·B



@fL[f{[fhf}fNf,ìŽÀs

<L~^,³,ê,½fL[f{[fhf}fNf,đŽÀs,μ,Ü,·B





☐@fL☐[f{☐[fhf]}fNf☐,ì•Û'¶

<L~^,³,ê,½fL☐[f{☐[fhf]}fNf☐,ð-¼'O,ð•t,¯,Äftf@fCf<,Ö•Û'¶,µ,Û,·☐B  
•Û'¶,µ,½f}fNf☐,í'Êí,ì}fNf☐ftf@fCf<,Æ"¯,¶œ`Ž®,ìfefLfXfgftf@fCf<,Å,·☐B



@fL[f{[fhf}fNf,ì“Ç,Ýž,Ý

fL[f{[fhf}fNf,øftf@fCf<,æ,è“Ç,Ýž,Ý,Ü,·B  
CE»Ý,ìfL[f{[fhf}fNf,íã‘,³,ê,Ü,·B



í“o~^

fL[fRf}f“fh,Åf}fNf,đŽÀ[s,·,é,½,ß,Éf}fNf,ìftf@fCf<-¼,Æf^fCf<-  
¼,đ“o~^,μ,Ü,·B

“o~^,μ,½f}fNf,Íf}fj...[ “o~^,μ,½f}fNf,İŽÀ[s ,æ,è<N“® ,Å,«,Ü,·B  
,æ,Žg,ϣf}fNf,Í“o~^,³,ê,Ä,“,„,Æ‘İŽÀ[s,Å,«,Ä•Ö—~ ,Å,·B



o~^,μ,½f}fNf,ìŽÀs

f}fj...[ f}fNf,ì“o~^ ,Å“o~^ ,μ,½f}fNf,³fTfuf}fj...[,Æ,μ,ÄfZfbfg,³,êf}fj...  
[ [€-Ú,đ'ı'đ,·,é,±,Æ,É,æ,è'ı'N“® ,Å,«,Ü,·B  
,æ,Žg,xf}fNf,í [f}fNf,ì“o~^ ] ,Å“o~^ ,³,ê,Ä,“, ,Æ'ı'ŽÀs,Å,«,Ä•Ö—~,Å,·B



{}fNf, iŽÀs

f}fNf{}ftf@fCf<,đ“Ç,Ýž,ň,ÅŽÀs,μ,Ü,·B



## @f}fNf,iffofbfO

m,l,lf}fNf n,À,Á,½f}fNf ftf@fCf<,ðffofbfO,μ,Û,·B  
 f}fNf,Žv,Á,½,Æ,“,è,ì“ @ ì,ð,μ,È,ç,Æ,«,Í,Ç,κ,μ,Ä,àffofbfO,ª•K—v,É,È,è,Û,·B  
 fffofbfO ì<Æ,íA,P s,Ä,Ä,ìXfefbfv“ @ ì E fufCfCfNf|  
 fCf“fg,ð•t, ,Ä,ìŽÀ s,È,Ç,Á“r’t,ì“ @ ì A “à•”•i“,È,Ç,ìó’Ô,ð²,x,é,±  
 ,Æ,É,æ,è}fNf fvf fOf%œ,ìŠÔ^á,ç,ð¼,μ,Ä,ç,«,Û,·B

m,l,lf}fNf n,iffofbfK,Á,ÍffofbfO’t,Éf^ [fQfbfg,ìEfcf“fhfE,Æ^Ú“ @ ì if}fEfX,Áf  
 NfŠfbfN,μ,Ä^Ú“ @ ì j,μ,È,ª,çA^îÛfefLfXfg,ì“à—e,ð•iX,μ,ÄffofbfO,ª,Á,«,Û,·B

## ECE»Ýs

@f}fNf ftf@fCf<,ìCE»ÝŽÀ s’t,ì s,m, ,ª•\Ž!,³,è,Û,·B

@,Û,½CE»Ýs,É,í•\Ž!,³,è,Ä,ç,é\

[fXftf@fCf<,ìs”Ôt,ì¶,Ém{nf} [fN,ª@•t,«,Û,·B

## E•i”IŽQÆ

@f}fNf ftf@fCf<“à,ìCE»Ý,ì•i”I,ðŽQÆ,Á,«,Û,·B

@•i”,É,ìf [fj<•i”iŽ©“ @•i”j,ÆfOf [fof<•i”i’â^æ•i”j,ª, ,è,Û,·B

@CE»Ýs,Æ•i”I,ìí%ž,ìfvf fOf%œ,ì’,«,•û,É,æ,Á,Ä½, ,è,é,±,Æ,ª, ,è,Û,·B

B

## EfXfefbfv

@f}fNf,ð,P sfXfefbfv“ @ ì,³,¹,Û,·B

## EŽÀs

@f}fNf,ðfufCfCfNf|fCf“fg,Û,ÁŽÀ s,³,¹,Û,·B

@fufCfCfNf|fCf“fg,ªÝ’è,³,è,Ä,ç,È,ç,Æ ÅÆä,Û,ÁŽÀ s,μ,Û,·B

@fufCfCfNf|

fCf“fg,ìÝ’è,ìÝ’è,μ,½,ç s,ð¶f}fEfX,ÁfNfŠfbfN, ,é,Æ,»,ì s,ªI’ð,³,è,ÄÝ’è,³,è,

½,±,Æ,É,È,è,Û,·B•Ê,ì s,ÖÝ’è,μ,½,ç Žž,í•Ê,ì s,ð¶f}fEfX,ÁfNfŠfbfN, ,é,©ã

%º,ì-î^ófl [,ÁÝ’è s,ð^Ú“ @,μ,Ä•iX,Á,«,Û,·B

## E“Çž,Ý

@f}fNf ftf@fCf<,ðffofbfO, ,é,½,β,É“Çž,Ýf}fNf,ìŽÀ sŠÁ<«,ð%Šú

%»»,μ,Û,·B

## EfCjfvfff<

@f}fNf,ìŽÀ sŠÁ<«,ð%Šú%»»,μ,Û,·B

@ [Å%»,©,çffofbfO,ð,â,è¼, ,Æ,«,ÉŽg—p,μ,Û,·B

## EÇ—¹

□@□m,l,l,f}fNf□□nf}fNf□ftf@fCf<,lfffofbfO□^—□,đ□C—<sup>1</sup>,μ,Ü,·□B



## @fL[fRf}f“fh’è

,l,lfGfffBf^95 ,í<N“ @Žž,É AfL[fRf}f“fh’è<`ftf@fCf<,đ“Çž,Ý,Ü,·B  
 fL[fRf}f“fh’è<`ftf@fCf<,ª,Ü,¾Y’è,³,ê,Ä,ç  
 ,È,çêë±,íA,l,l,ì<N“ @ftfHf<f\_,lfL[fRf}f“fh’è<`ftf@fCf< ,l,l,jD,h,m,h  
 ftf@fCf<,đfL[fRf}f“fh’è<`ftf@fCf<,ÉY’è,µ,Ä“Çž,Ý,Ü,·B  
 fL[fRf}f“fh’è<`ftf@fCf<,ªCE©,Â,©,ç,È,ç,Æ%Šúó’Ô,ÅfL[f{[fh,ª’S,-  
 Žg,l,È,çó’Ô,É,È,Á,Ä,µ,Ü,ç,Ü,·B

m<éCE`fuffbfN,ìØ,èŽæ,ènm<éCE`fuffbfN,lfRfs[[nm<éCE`fuffbfN,ì’}“ü  
 n,ìŠefRf}f“fh,íf}fNf,ÅŽÀ’•,³,ê,Ä,ç,Ü,·B  
 ,±,ì,R,Âf}fNf,í•K, %<L,ìÊ’u,ÉCEÀ’è,µ,Ä,,¾,³,çB  
 ,»x,µ,È,ç,ÆfL[f{[fh,Å,ì,±,ê,ç,íf}fNf,ìŽÀs,ª³í,É“ @ì,µ,Ü,¹,ñB  
 “Y•t,³,ê,Ä,ç,éfL[fRf}f“fh’è<`ftf@fCf<,Å,í’S,Ä,»ì,æ,x,É,È,Á,Ä,ç,Ü,·B  
 @Ef}fNf,P,ìŽÀsFm<éCE`fuffbfN,ìØ,èŽæ,èn  
 @Ef}fNf,Q,ìŽÀsFm<éCE`fuffbfN,lfRfs[[n  
 @Ef}fNf,R,ìŽÀsFm<éCE`fuffbfN,ì’}“ü

“~ ,lfL[.đ•j” ,lfRf}f“fh,ÉY’è,·,é,±,Æ,í,Ä,«Ü,¹,ñB  
 Y’è,µ,æ,x,Æ,·,é,Æ,»ìŽ|(Šù,ÉY’è,³,ê,Ä,ç,éfRf}f“fh,ªŽì,³,ê,Ü,·),ìEx,ª·\  
 Žì,³,ê,Ü,·B

,Ü,½ŽŸ,ì2,Â,lfL[’è<` ,íAWINDOWS ,Å ,l,c,hfAfvfŠ,ìŽ,Â•W€€,ì<@”\  
 ,Æ,µ,Ä’è<` ,³,ê,Ä,ç,é,ì,Ä’è<` ,µ,Ä,àŽg—p,Å,«Ü,¹,ñB

**CTRL+ F6 fL[ (,Ü,½,íACTRL+ SHIFT + F6 fL[)**  
 @fAfNfefBfu,ÈfefLfXfgfEfCf“fhfE,đØ,è’Ö,ì,é<@”\,Æ,µ,Ä’è<` ,³,ê,Ä,ç,Ü,·B

**CTRL+ F4 fL[ (,Ü,½,íACTRL+ SHIFT + F4 fL[)**  
 @CE»Y,lfAfNfefBfu,ÈfefLfXfgfEfCf“fhfE,đ•Â,¶,é<@”\,Æ,µ,Ä’è<` ,³,ê,Ä,ç,Ü,·B

m<éCE`fuffbfN,ìØ,èŽæ,ènm<éCE`fuffbfN,lfRfs[[nm<éCE`fuffbfN,ì’}“ü  
 n,ìŠef}fNf,íéCE` ,Á,í,È,çfuffbfN’€ìŽžAmfuffbfNØ,èŽæ,ènmfuffbfNf  
 Rfs[[nmfuffbfN’}“ü n,ìŠefRf}f“fh,đCEÄ,Ô,æ,x,É,È,Á,Ä,ç,Ü,·,ì,Ä,±  
 ,ê,ç,í,»ê,¾,ê“~ ,lfL[‘€ì,É,µ,Ä,“ ,Æ•Ö—~ ,Ä,·B  
 %Šú,lfL[’è<`ftf@fCf<,í,»x,È,Á,Ä,ç,Ü,·B



□EFL□[ftf@fCf<-¼

CE»□Ý□AŽg—p,³,ê,Ä,ç,é fL□[fRf}f“fh’è<`ftf@fCf<-¼ ,ª•\Ž!,³,ê,Ü,·□B

□EFL□[fRf}f“fh,ì□Ý’è

□@,Ü,·,□m’æ,PfL□[□n,æ,è,P,ÂfL□[,ð’l’ð,μ,Ü,·□B

□@[CTRL] [SHIFT] [ALT] ,ðŽg—p,·,é□ê□‡,Íf`fFbfNf{fbfNfX,ðf`fFbfN,μ,Ü,·□B

□@’l’ð,μ,½fL□[,ª,QfXfgf□□[fNfL□[,È,ç□m’æ,QfL□[□nf{fbfNfX,ÖfL□[fŠfXfg,ª•\ Ž!,³,ê,Ü,·,ì,Â’æ,QfL□[,ð’l’ð,μ,Ü,·□B

□@ŽŸ,É□m<@”\fOf<□[fv□v,æ,è<@”\,ð’l’ð,·,é,ÆfL□[“®□ì□à-¾fŠfXfg,ª•\

Ž!,³,ê,Ü,·,ì,Â□Ý’è,μ,½,ç“®□ì,ì□€-Ú,ð’l’ð,μ,Ä%oo³,ç□B

□@,±,ì□ó’Ô,Â□m□Ý’è□nf{f^f“ ,ðfNfŠfbfN,³,ê,é,ÆfL□[fRf}f“fh,ì□Ý’è,ªŠ®—  
¹,μ,Ü,·□B

□@,È,“□m’æ,PfL□[□n,ì [END](HELP) ,Æ•\Ž!,³,ê,Ä,ç,é fL□[,í□ADOS/V<@,Â,í [END]

fL□[□ANEC98fvfŠ□[fY,Â,í [HELP]fL□[,ð^Ó-ì,μ,Ü,·□B[HELP](DS/V)fL□[,Æ•\

Ž!,³,ê,Ä,ç,é fL□[,í□ADOS/V<@,ì[HELP]fL□[(ŽÀ’•,³,ê,Ä,ç,È,ç□ê□‡,ì□Ý’è□o—  
^,Ü,¹,ñ),ð^Ó-ì,μ,Ü,·□B

□@,P,Â,ì“®□ì,É’í,μ,Ä,QCEÂ,ìfL□[fRf}f“fh,ª□Ý’è,Â,«,Ü,·□B

□@,à,μ,·,Â,É,QCEÂ,ª“o~^,³,ê,Ä,ç,é□ê□‡,íCE»□Ý,ì“o~^,ð,PCEÂ

%ð□œ,μ,Ä“o~^,μ,Ä%oo³,ç□B

CE»□Ý□m,P□s□í□œ□n,ÉŠ,,,è“- ,Ä,ç,ê,Ä,ç,é **CTRL+Y** ,ð **CTRL+P** ,É•ì□X,·,é—  
á,Â,·□B

□@,Ü,·, <@”\fOf<□[fv,æ,èf%ofCf“fGfffBfbfg,ð’l,Ñ

□m,P□s□í□œ□n,ð’l’ð,μ□í□œf{f^f“ ,Â **CTRL+Y** ,ð□í□œ,μ,Ü,·□B

□@ŽŸ,É’æ,PfL□[,ì

CTRLf`fFbfNf{fbfNfX,ðf`fFbfN,μ’æ,PfL□[,Æ,μ,ÄfAf<ftf@fxfbfg,ì,o,ð’l’ð,μ,Ä□

m<@”\fOf<□[fv□n,ªf%ofCf“fGfffBfbfg,Â□m,P□s□í□œ□n,ª’l’ð,³,ê,Ä,ç,é,±

,Æ,ðŠm”F,ì□ã□A[□Ý’è]f{f^f“ ,ð%Ÿ,μ,Ä,à,ç,ì,ê,ì□Ý’è,Â,«,Ü,·□B

□E,QfXfgf□□[fNfL□[,ì□Ý’è

□@,QfXfgf□□[fNfL□[,ðŽg—p,·,é□ê□‡,í,·,ç,©,¶,ß“o~^,μ,Ä,“,©,È,Ä,í,È,è,Ü,¹,ñ□B

□@□m<@”\fOf<□[fv□v,æ,è□m,» ,ì¼□n,ð’l’ð,μŽŸ,ì,ç,·,ê,©,Â□Ý’è,μ,Ä,¾,³,ç□B

□@,QfXfgf□□[fNfL□[,P

□@,QfXfgf□□[fNfL□[,Q

□@,QfXfgf□□[fNfL□L,R

□Efl□[fRf}f“fh,ì□Ý’è,ðŽQ□Æ,·,é

□@□m<@“\fOf<□[fv□v,æ,è<@“\,ð’l’ð,·,é,ÆfL□[“®□ì□à-¾fŠfXfg,ª•\  
Žì,³,è,Ü,·,ì,Å□Ý’è,ðŽQ□Æ,μ,½,ç“®□ì,ì□€-Ú,ð’l’ð,μ,Ä%oo³,ç□B  
□@,»,,ì%oo³,ìfL□[•\Žìf{fbfNfX,ÉCE»□Ý□Ý’è,³,è,Ä,ç,éfL□[,ª•\Žì,³,è,Ü,·□B

□Efl□[fRf}f“fh,ì□Ý’è,ð%ð□œ,·,é

□@□m<@“\fOf<□[fv□v,æ,è<@“\,ð’l’ð,·,é,ÆfL□[“®□ì□à-¾fŠfXfg,ª•\  
Žì,³,è,Ü,·,ì,Å□Ý’è,ð%ð□œ,μ,½,ç“®□ì,ì□€-Ú,ð’l’ð,μ,Ä%oo³,ç□B  
□@,»,,ì%oo³,ìfL□[•\Žìf{fbfNfX,ÉCE»□Ý□Ý’è,³,è,Ä,ç,éfL□[,ª•\Žì,³,è,Ü,·□B

□@,±,ì□ó’Ô,Å□m

%ð□œ□nf{f^f“,ðfNfŠfbfN,³,è,é,Æ□ÅCEä,É“o~^,³,è,½fL□[fRf}f“fh,ì□Ý’è,PCEÂ,  
ª%ð□œ,³,è,Ü,·□B

□Efl□[“ÇŽ,Ý

□@fL□[fRf}f“fh’è<`ftf@fCf<(\*.ini),ðftf@fCf<-¼,ðŽw’è,μ,Ä“Ç,Ý□ž,Ý,Ü,·□B  
□@CE»□Ý,ìŠefL□[,ì□Ý’è“à—e,Í,È,,È,è,Ü,·,ì,Å□A•K—  
v,È□ê□‡,Í“Ç,Ý□ž,P’O,É•Û’¶,μ,Ä,,¾,³,ç□B

□Efl□[“o~^

□@□Ý’è,μ,½fL□[fRf}f“fh,ðftf@fCf<-¼(\*.ini),ðŽw’è,μ,Ä•Û’¶,μ□A,±,è^È□~,,ÉŽg  
—p,·,éfL□[fRf}f“fh’è<`ftf@fCf<,Æ,μ,Ä“o~^,μ,Ü,·□B  
□@□Ý’è,μ,½“à—e,Í,l,l,fGfffBf^,ð□l—¹,·,é,Æ,È,,È,Á,Ä,μ,Ü,ç,Ü,·□B•K—  
v,È□ê□‡,Í•K,·,Û’¶□A“o~^,μ,Ä,,¾,³,ç□B

□@,È,“□AjjfXf^f}fCfY,³,è,Ä“o~^,³,è,éfL□[fRf}f“fhftf@fCf<-¼(\*.ini)  
,É,Í,l,l,fGfffBf^,É•W□€,Å“Y•t,³,è,Ä,ç  
,éfL□[fRf}f“fhftf@fCf<(MMK.INI□AWINK.INI□AVZK.INI□AMIK.INI),Æ,Í•È-  
¼,É,³,è,é,±,Æ,ð,“Š©,ß,μ,Ü,·□B“~ ,¶ftf@fCf<-  
¼,¾,¾,Æfo□[fWf‡f“fAfbfv,ì□Û,ì^³□kftf@fCf<(MM95\*\*\*.LZH),ì%ð“€  
,Å“Y•t,³,è,Ä,ç,é“~ ,¶-¼‘O,ìfL□[fRf}f“fhftf@fCf<,Å□ã□’,«,³,è,é<°,è,ª, ,é,©,ç,Å,·□  
B

□Efl□[fŠfXfg

□@fL□[fRf}f“fh,ì^è—•\,ðftf@fCf<-¼ ,l,l,j,d,x□D,k,r,s ,Å□o—Í,μ,Ü,·□B



@fL[fRf}f“fh%o{—

Œ»ŸŸ'è,<sup>3</sup>,ê,Ä,ç,éL[fRf}f“fh,ðfOf<[fv,<sup>2</sup>,Æ,É^ê—•\Ž,μ,Ü,·B

fL[fRf}f“fh,îê—•\

,ð^óü,μ,½,çê‡,íA[mfL[fRf}f“fhŸ'èn,ìmfL[fŠfXfgn,ÅfL[fRf}f“fh,îê

—ftj@fCf<( **MMKEY.LST** ),ðo—í,μ,Ä%o<sup>o</sup>,<sup>3</sup>,çB



Ⓜ@,h,l,d,ì'PCEê/—p—á“o~^

,h,l,d,ì'PCEê/—p—á“o~^,ð,μ,Û,·□B

CE»fj□[fj<^Ê'u,ì'PCEê,ð□mCEê·ǎ□n,ÖfZfbfg,μ,Û,·□B

”C^Ó,ì•¶Žš—ñ,ðfZfbfg,μ,½,ç□ê□‡,í□A”í^íi,P□s^È“à□j,ð'l'ð,μ,Ä,©,ç□s,Á,Ä  
%o<sup>o</sup>,<sup>3</sup>,ç□B



@·\Ž;Ÿ'è,ì'Ž®·ïX

·\

Ž;Ÿ'è,Å,ì,·,x,Ä,ìŸ'è,đ'Ž®ftf@fCf<,Æ,μ,Ä·Ů'¶,μA,Ü,½·Ů'¶,μ,½'Ž®ftf@fCf<,đ"Ç,Ÿo,μ,ÄÆ»Ÿ,ì,·,x,Ä,ì·\Ž;Ÿ'è,ì"à—e,đ·ïX,μ,Ü,·B

·\Ž;Ÿ'è,ì,·,x,Ä,ì"à—e,đ'Ž®·ïX,É,æ,èŠÈ'P,É·ïXo

—

^,Ü,·,ì,ÅA·ÒWfefLjXfg·Ê,âì<ÆŽÒ·Ê,É'Ž®ftf@fCf<,đì,Á,Ä," ,©,è,é,Æì<ÆŠ  
Â<«,ì·ïX,ŠÈ'P,É,Å,«,Ü,·B

,Ü,½·Ê,lf}fVf",É" ,¶ì<ÆŠÂ<«,đ\z,μ,½,çê¶,àACE»Ÿ,ìì<ÆŠÂ<«,đ'Ž®ftf@  
fCf<,É·Ů'¶,μ,Ä,»,ì'Ž®ftf@fCf<,đ"Çž,þ,¾, ,ÅŠÈ'P,É,Å,«,Ü,·B

E·\Ž;Ÿ'è,ì'Ž®"Çž

@Žw'è,μ,½·\Ž;Ÿ'è,ì'Ž®ftf@fCf<(\*.ds1),đ"Ç,Ÿž,Ÿ,Ü,·B

@'Ž®ftf@fCf<,đ"Ç,Ÿž,þ,ÆÆ»ŸŸ'è,<sup>3</sup>,ê,Ä,ç,é·\Ž;Ÿ'è,ì"à—  
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E·\Ž;Ÿ'è,ì'Ž®·Ů'¶

@Æ»ŸŸ'è,<sup>3</sup>,ê,Ä,ç,é,·,x,Ä,ì·\Ž;Ÿ'è,ì"à—

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@'Ž®ftf@fCf<,ì-¼'O,É§ÆÀ,í, ,è,Ü,<sup>1</sup>,ň,<sup>2</sup>¼,ìftf@fCf<,Æ<æ·Ê,·,é,½,ß,É

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@—áFmstd.ds1 mmdos.ds1 "™

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^,Ü,·,ì,ÅACEã,Å'Ž®,<sup>2</sup>,í,©,è,â,·,ç,æ,ɤ,È-¼'O,đ·t, ,Ä," ,©,è,é,Æ,ç,ç,Å,·B



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## ☐@•\Ž!☐F,ì☐Ý'è

- \Ž!☐F,ì☐Ý'è,đ,μ,Û,·☐B
- "½"☐☐F,đŽw'è,·,é,±,Æ,É,æ,è'í'đ"í'í,ì☐F,đŽ©—R,É☐Ý'è,·,é,±,Æ,<sup>a</sup>,Å,«,Û,·☐B
- ¶Žš☐F☐A" w☐Ei☐F☐Af^fu☐A%ü☐s☐A~A☐E<☐sf}☐[fN☐A-|-ó•\Ž!'  
 ,ì"½"☐☐F,đŽw'è,·,é,±,Æ,<sup>a</sup>,Å,«,Û,·☐B
- |-ó•\Ž!'  
 ,ì☐ê☐‡,ì"½"☐☐F,í-|-ófEfCf"fhfE,ì" w☐Ei☐F,Å,·☐B

## ☐E•¶Žš☐F

☐@fefLfXfg,ì•¶Žš☐F,đ☐Ý'è,μ,Û,·☐B

## ☐E" w☐Ei☐F

☐@fefLfXfg,ì" w☐Ei☐F,đ☐Ý'è,μ,Û,·☐B

## ☐Eƒ☐[fƒ<☐s☐F

- ☐@☐E»ƒ☐[fƒ<☐s,ìfefLfXfg,ì•¶Žš☐F☐A,Û,½,í%ü,ì☐F,đ☐Ý'è,μ,Û,·☐B
- ☐@☐s"Ô☐t,đ•\Ž!,μ,Ä,ç,é☐ê☐‡,í☐A☐s"Ô☐t,ì☐F,à•í,í,è,Û,·,ì,Å,ó☐s,ì☐ê☐‡,à☐E»ƒ☐[fƒ<☐s,<sup>a</sup>,æ,,í,©,è,Û,·☐B
- ☐@☐m"í'í'í'đŽÀŽ{ 't☐n,íŽ©"®"l,É☐m•¶Žš☐F☐n,Æ"~,¶☐F,É,È,è,Û,·☐B
- ☐@,È,"☐A%ü☐s,ì☐ê☐‡☐m"í'í'í'đŽÀŽ{ 't☐n,í•\Ž!,<sup>3</sup>,é,Û,<sup>1</sup>,ñ☐B

## ☐Efo☐[f`ƒƒ<f%ofCf"

- ☐@☐E»ƒ☐[fƒ<☐s,ì☐E...^É'u,đŽ!,·fo☐[f`ƒƒ<f%ofCf",ì•\Ž!,ì [ON] [OFF] ,Æ•\Ž!☐F,đ☐Ý'è,μ,Û,·☐B
- ☐@,È," ,±,ì☐Ý'è,í☐Aƒ☐[fƒ<☐s☐F,Å%ü☐s,đ☐Ý'è,μ,Ä,ç,éŽž,É,ì,Ý—L☐Eø,Å,·☐B
- ☐@,È,"☐m"í'í'í'đŽÀŽ{ 't☐n,í•\Ž!,<sup>3</sup>,é,Û,<sup>1</sup>,ñ☐B

## ☐Eƒ^fu,ì•\Ž!

☐@ƒ^fu,ì•\Ž!,ì [ON] [OFF] ,Æ•\Ž!☐F,đ☐Ý'è,μ,Û,·☐B

## ☐E%ü☐s,ì•\Ž!

☐@%ü☐s,ì•\Ž!,ì [ON] [OFF] ,Æ•\Ž!☐F,đ☐Ý'è,μ,Û,·☐B

## ☐EEOF,ì•\Ž!

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## Ⓜ•ⓂWf,Ⓜfh1

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ⓂEⓂs,ìŠÔŠu

Ⓜ@Ⓜs,ìŠÔŠu,ìⓂÝ’è,đ,μ,Ü,·ⓂB

Ⓜ@ⓂsŠÔŠu,đ’S,, , ,È,ç **0 fhfbfg**, ©,ç**8 fhfbfg**,Ü,ÁⓂA,Ü,½,íftfHf“fg,ìⓂ,,<sup>3</sup>,ì**1/10**

, ©,ç**1/2** ,Ü,Á,ì,ç,Ã,ê, ©,ì”í^í,Á,ìⓂÝ’è,ª%ⓂÂ”\,Á,·ⓂB

Ⓜ@%ⓂiⓂ’,«Žž,ÆⓂcⓂ’,«Žž,đÆÂ•Ê,ÉⓂÝ’è,Á,«,Ü,·ⓂB

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%ⓂüⓂs, ©ⓂÜ,è•Ⓜ,μ•¶Žš^Ê’u,Ü,ÁⓂj,đ,PⓂs,ÆÆ©,È,μ,Ü,·ⓂB

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Ú^ÈⓂ~ ,É,ífyⓂ[fW“à,ìⓂs”ÔⓂt,đ•\Ž!,μ,Ü,·ⓂB

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Ⓜ@Ⓜ@Ⓜ@,PfyⓂ[fW“- ,½,è,ìⓂsⓂ”Ⓜi2Ⓜ|32000Ⓜj,đⓂÝ’è,μ,Ü,·ⓂB

Ⓜ@Ⓜ@Ⓜ@,±,è,ìⓂmⓂs”ÔⓂt,ífyⓂ[fW“àⓂs”ÔⓂt,đ•\Ž!,·,éⓂn,<sup>a</sup> [ON] ,ìⓂêⓂ‡,É•\

Ž!<sup>3</sup>,è,éfyⓂ[fW“àⓂs”ÔⓂt,ìⓂÁ’âⓂs,đ^Ó-i,μ,Ü,·

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ⓂEⓂs”ÔⓂtÆ...Ⓜ”

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□@,P,O-œ□s^È□ã,lfefLfXfg,đ•Ò□W,·,é□ê□#,í,TCE...,Á,íCE...,<sup>a</sup>ì,ê,Ä,μ,Û,ç,Û,·□B  
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□E<sup>f</sup>fu•ŕŽš□

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□ECE□o,μ□s,ì□Ý'è

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,ì□ê□#,É□A□c□',«Žž,àfo□[f`fjf<f%ofCf",đ•\Ž!,μ,Û,·□B

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□@[ON],Á,·,ê,îfŠf^□[f"fL□[,đ%oŸ,μ,<sup>1</sup>/<sub>2</sub>,Æ,«,Éfj□[f<fL□[,<sup>a</sup>ê□s□ã,ì□s"<sup>a</sup>,Æ"<sup>-</sup>,ŕfjf  
%of€^Ê'u,Ö^Ú"® ,μ,Û,·□B

□@,<sup>1</sup>/<sub>2</sub>,<sup>3</sup>/<sub>4</sub>,μfŠfAf<f^fCf€□®CE`,Á,ì %oÓ□đ□',«□®CE`,<sup>a</sup>[ON],Á□AfVfifŠfif,□[fh,<sup>a</sup>

[ON],È,çf□[fgfCf"fff"fg,í<@"\,μ,Û,<sup>1</sup>,ñ□BfVfifŠfif,□[fh,Á,ì"ü—

í'†,í□Af□[fgfCf"fff"fg<@"\,í•K—v,È,ç□AŽx—,È,ì,Á,»,ì,æ,α,É,È,Á,Ä,ç,Û,·□B

□@□E'SŠpfXfy□[fX,à'í□Û,Æ,·,é

□@□@[ON],Á,·,ê,î'SŠpfXfy□[fX,àf□[fgfCf"fff"fg,ì'í□Û,Æ,È,è,Û,·□B

□@□E[Shift]•<sup>1</sup>—p,Á^êŽž%oñ"đ,·,é

□@□@[ON],Á,·,ê,î [Shift] fL□[,đ"<sup>-</sup>Žž,É%oŸ,μ,Ä,"",±,Æ,É,æ,è□AfŠf^□[f"fL□[,đ

%oŸ,μ,<sup>1</sup>/<sub>2</sub>,Æ,«,ìf□[fgfCf"fff"fg,đ^êŽž"l,É%oñ"đ,·,é,±,Æ,<sup>a</sup>,Á,«,Û,·□B

## □@•Ò□Wf,□[fh2

□E%œ-Ê,ð%oz,!,é“ü—í,Á,ìžÿ,ì“ü—í^Ê'u  
□@%œ-Ê,ð%oz,!,é“ü—í,<sup>a</sup>, Á,½□ê□#,ì“ü—íÆã,ìfj□[fj<^Ê'u,ì□Ý'è,ð□s,ç,Ü,·□B  
□@□Ú,μ,,í“ü—í,ðš]Žn,μ,½fj□[fj<^Ê'u,<sup>a</sup>ü—íÆã,É,Ç,ì^Ê'u,É,,é,©,Á,·□B  
□@%œ-Ê,ç,Á,ì,ç,É“ü—í,μ,½Æã,í□í,É“ü—í^Ê'u,<sup>a</sup>%œ-Ê,ì  
%º'[(□c□',«,ì□ê□#,í□¶'[]),É,È,Á,Ä,μ,Ü,ç,Ü,·□B,±,ê,ðžÿ,ì,ç  
,Ä,ê,©,É□Ý'è,Á,«,é,Æ,ç,κ@“\,Á,·□B  
□@%ºi□',«•Ò□W,Æ□c□',«•Ò□W,»,ê,¼,ê,É□Ý'è,Á,«,Ü,·□B  
□@□E,»,ì,Ü,Ü□E%œ-Ê'+%º>□E%œ-Ê□æ“<sup>a</sup>,ì,ç,Ä,ê,©□B  
□@□;□œ'A,μ,±,ê,í□AIME ,<sup>a</sup> ON ,Á,ì“ü—ížž,¾, -,ì<@“\,Á,·□B  
□E□¶□A□ã,ì—]”  
□@fefLfXfgfEfCf“fhfE,ì□¶'[,ì—]” ,ð□A0 ,©,ç 20 fhfbfg,ì”íí,Á□Ý'è,Á,«,Ü,·□B  
□@□s”Ô□†,ð•ž!,μ,È,ç,Ážg—p,<sup>3</sup>,é,é□ê□#,í□A'½□□¶'[,É—]” ,<sup>a</sup>, Á,½•û,<sup>a</sup>Æ©,â,·,ç  
,Á,μ,â,κ□B  
□@•□'É,í□A6 ,©,ç 10 fhfbfg,,ç,ç,ì—]” ,Á—Ç,ç,Æžv,ç,Ü,·,<sup>a</sup>žg—  
p,<sup>3</sup>,é,éftfHf“fg”™ ,É,æ,Á,Ä^Ü,È,è,Ü,·,ì,ÁŠÄ««,É□#,í,<sup>1</sup>,Ä□Ý'è,μ,Ä%º,<sup>3</sup>,ç□B  
□@,È,“□A□c□',«žž,ì□Ý'è,Á,ì,±,ì—]” ,í□ã•”,ì—]” ,Æ,È,è,Ü,·□B

□E□c□',«žž,ìfL□[f□□[fh□F•ž!,È,μ  
□@[ON] ,Á, ,é,î•ž!□Ý'è,ÁfL□[f□□[fh□F•ž!,ì□Ý'è,ð□s,Á,Ä,ç  
,Ä,à□A□c□',«žž,ìfL□[f□□[fh□F•ž!,ð□s,ç,Ü,<sup>1</sup>,ñ□B  
□@□c□',«,ì□ê□#□Afl□[f□□[fh□F,ð•ž!,·,é,Æšô•<sup>a</sup>ž!,ÉžžšÔ,<sup>a</sup>,©,©,é□ê□#,<sup>a</sup>, ,è,Ü,  
,ì,Á□c□',«žž,ìfL□[f□□[fh□F•ž!,ì•K—v,<sup>a</sup>,È, -,é,î [ON] ,É,μ,Ä,“,ç,Ä%º,<sup>3</sup>,ç□B

□E□c□',«žž,ìfy□[fWf“fO,í,P□^,QCEÁ'è  
□@[ON] ,Á, ,é,î□c□',«žž,ìfy□[fWf“fO(fy□[fWfAfbfu□Ef\_fEf“,ìfy□[fW□”)  
,ð,P□^,Qfy□[fWCEÁ'è,É,μ,Ü,·□B  
□@□c□',«,ì□ê□#%ºi□',«,É”ä,×,Ä%œ-Ê,ì•ž!□s□”,<sup>a</sup>½,,È,è,Ü,·,ì,Á(%œ-Ê,<sup>a</sup>%º  
i'·,È,ì,Á)fy□[fWf“fO,í,P□^,Qfy□[fWCEÁ'è,Á,ç,ç,æ,κ,Éžv,í,é,Ü,·□B[ON]  
,É,μ,Ä,“, -,ì,P□^,Qfy□[fWCEÁ'è,É,μ,Ü,·□B  
□@,È,“□c□',«žž,ìfy□[fWf“fO,í,P□^,Qfy□[fW,ì□ê□#,<sup>a</sup>,à,Á,Æ,à□,‘¬,É“®□ì,μ,Ü,·□B

□E□c□',«žž,ì•ž!□s□”,ðCEÁ'è  
□@[ON] ,Á, ,é,î□c□',«žž,ì•ž!□s□”,ðCEÁ'è,μ,Ä,»,é^È□ã,ì□s,ì•ž!,μ,È,ç,æ,κ  
,É,μ,Ü,·□B

□@□s, ©, ç100□s, ì"í^í, Å□Y'è, Å, «, Ü, ·□B  
□@, P%œ-Ê, ì•ŕŽš□", ðĚ'□e—pŽ†, ì, æ, x, ÉĚÅ'è, μ, ½, çŽž, É•Ö—~ , Å, ·□B  
□@—á, ì, Î400•ŕŽš, ÉĚÅ'è, μ, ½, çŽž, Í□A^ê—  
á, Æ, μ, Ä□Ü, è•Ô, μ•ŕŽš□", ð40•ŕŽš('SŠp•ŕŽš, Å, Í20•ŕŽš), É, μ, Ä•\  
Ž!□s□", ð20□s, ÉĚÅ'è, ·, ê, Î, ç, ç, í, ¯, Å, ·□B

□E□c□', «Žž, ì-'-Ú, ìf^fçfv  
□@□c□', «Žž, ì-'-Ú, ð•t, ¯, é□ê□†, ì  
□@Ě'□e—pŽ†•—, Æ•Öâ³•—, ì, Ç, ç, ç, ì-'-Ú, ð•t, ¯, é, ©, ì'í'ð, ð, μ, Ü, ·□B  
□@-'-Ú, ì□ü, ìŽí—þ, ÍŽÀ□ü, Æ" \_□ü, ì, ç, Ä, ê, ©, ð'í'ð, Å, «, Ü, ·□B

□E□c□', «Žž, ì [□c'†%o;] "¼Šp2Ě...□"Žš, ì□^—□  
□@□c□', «, ì□ê□†□A'Ê□í, ì"¼Šp□"Žš, Í%o; , É□Q, Ä(%oE, a□ă, Å□ŕ, a%oº)•\Ž!, ³, ê, Ü, ·□B  
□@, ±, ê, ð, QĚ..., ì"¼Šp□"Žš, a~A'±, μ, Ä, ç  
 , é□ê□†, ì, PĚÅ, ì'SŠp•ŕŽš, Æ, μ, Ä•ß, ç, ì□A□cĚü, «, É•\Ž!, μ, ÄĚ©, â, ·, μ, æ, x, Æ, ç  
 , x, à, ì, Å, ·□B  
□@□E%½, à, μ, È, ç  
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□@□EŽŸ, ì•ŕŽš, a"¼Šp□"Žš^ÈŠO, È, ç□c, É•\Ž!, ·, x, Ä, ð□c, É•\Ž!  
□@, ì, ç, Ä, ê, ©, ð'í'ð, μ, Ü, ·□B

□@<Ö'¥□^—□,ì□Ý'è

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□,ð,·,é,Æ,μ,½□ê□#,í□A,□Q□s^È□ã,É□Ü,è•Ô,μ,½•¶□í,Å□Ü,è•Ô,μ^Ê'u□i□s--  
□j,É□m□s---<Ö'¥•¶Žš□n,<sup>a</sup>,ê,ÎŽŸ□s,ì□æ"<sup>a</sup>,Ö'Ç,ç□o,μ,Û,·□B

□@,Û,½"~,¶□ó'Ô,Å□s"<sup>a</sup>,É□m□s"<sup>a</sup><Ö'¥•¶Žš□n,<sup>a</sup>,ê,í'O□s,ì□s--,"Ö,»,"ì•¶Žš,ð-  
ß,μ,Û,·□B

□E,Ô,ç%°°,°<Ö'¥•¶Žš,ì□Å'â(1-3•¶Žš)

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,Æ,ì,Å,«<Ö'¥•¶Žš□m□s"<sup>a</sup><Ö'¥•¶Žš□n,ì□Å'â•¶Žš□",ð□Ý'è,μ,Û,·□B

□@,P•¶Žš,©,ç,R•¶Žš,ì"í'í,ÅŽw'è,Å,«,"Û,·

□E□s"<sup>a</sup><Ö'¥•¶Žš,ðŽw'è,μ,Ä,,¾,¾,ç

□@□s"<sup>a</sup><Ö'¥•¶Žš,ì□W,Û,è,ðŽw'è,μ,Ä,,¾,¾,ç□B

□@'SŠp•¶Žš,É 'í%ž ,μ,Ä,ç,Û,·□B

□E□s--<Ö'¥•¶Žš,ðŽw'è,μ,Ä,,¾,¾,ç

□@□s--<Ö'¥•¶Žš,ì□W,Û,è,ðŽw'è,μ,Ä,,¾,¾,ç□B

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□E%ü□s•¶Žš,ì,Ô,ç%°°,°

□@%ü□s•¶Žš,ì,Ô,ç%°°,°□^—□,ð,·,é□ê□#,í`fFfbfN,μ,Ä%°°,¾,¾,ç□B

□@%ü□s•¶Žš,ì,Ô,ç%°°,°□^—□,ð,·,é,Æ,μ,½□ê□#,í□A□s"<sup>a</sup>,É %ü□s•¶Žš,<sup>a</sup>—  
^,½□ê□#□A'O,ì□s,ì□s--,"Ö%ü□s•¶Žš,ð,Ô,ç%°°,°,"Û,·□B

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□@%op'PCEê,ìf□□[fhf%ofbfv□^—□,ð,·,é□ê□#,í`fFfbfN,μ,Ä%°°,¾,¾,ç□B

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%op'PCEê,ì□æ"<sup>a</sup>,æ,èŽŸ□s,ì□æ"<sup>a</sup>,Ö'Ç,ç□o,μ,Û,·□B

,Û,½,»,"ì<%üÊŽŸ□s,ì□æ"<sup>a</sup>,Ö%op'PCEê,ì <æ□Ø,è ("¼ŠpfXfy□[fX•¶Žš),<sup>a</sup>—  
^,é□ê□#,í□A'O,ì□s,ì□s--,"Ö%op'PCEê,ì<æ□Ø,è("¼ŠpfXfy□[fX•¶Žš),ð,Ô,ç

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□@fšfAf<f^fCf€□@CE` ,iY'è

□EšfAf<f^fCf€□@CE`žž,iCE...□”(10-250•ŕžš)

□@fšfAf<f^fCf€□@CE` ,đs,È,æê±,ì %o;□',«žž,Æ□c□',«žž,ì□@CE`CE...□”  
 ,đ10•ŕžš,©,ç250•ŕžš,ì"í"í,Åžw'è,μ,Ä%oo<sup>3</sup>,ç□B

□@,È, "□A,±,ì□@CE`CE...□”, í ,P□s,ì□Ü,è•Ô,μ•ŕžš□” ,ÅY'è,μ,Ä,ç,éCE...  
 □”,æ,è'â,«,.,,é,±,Æ,í,Å,«,Ü,<sup>1</sup>,ñ□B

□@'â,«,.,μ,Ä,à^Ó-j,<sup>a</sup>, ,è,Ü,<sup>1</sup>,ñ□B

□@'Êí,í□A%o;□',«,ìê± [ ,P□s,ì□Ü,è•Ô,μ•ŕžš□” ] ,<sup>a</sup> **80CE...** ,Å , ,é,î **70CE...** ,ç,ç  
 ,<sup>a</sup>“K“- ,©,ÆŽv,ç,Ü,·□B

□@fšfAf<f^fCf€□@CE` ,Æ,í□A•ŕžš,ì“ü—í"t,Éžw'è,μ,½ □@CE`CE...□” ,Åž©“®“l,É  
 %oü□s,đ' }“ü,μ,Ä,â,è fšfAf<f^fCf€ ,É□@CE` ,đs,È,æ,à,ì,Å,·□B

□E^ø—p□s,ì^ø—p□s,„,đžw'è,μ,Ä%oo<sup>3</sup>,ç

□@fšfAf<f^fCf€□@CE` ,đs,È,æê±,à□A^ø—p□s ,É'í,μ,Ä,í□@CE` ,đs,È,ç,Ü,<sup>1</sup>,ñ□B  
 □@,±,ì^ø—p□s,Æ" FŽ` ,.,é,½,β,ì ^ø—p□s,„,đžw'è,μ,Ä%oo<sup>3</sup>,ç□B, **QCEÂ**

žw'è,Å,«,Ü,·□B

□E•Ű'ŕžž(%oÓ□đ□',«□@CE` ,đ□æ,)□A□@CE` □s“<sup>a</sup>,ÖfXfy□[fX,đ•□%oÁ,·,é (1-  
 10•ŕžš)

□@[ON] ,Å , ,é,î%oÓ□đ□',«□@CE` [OFF]

,Å,ìfšfAf<f^fCf€□@CE` ,Å,ì•Ű'ŕžž,É□A□@CE` □s“<sup>a</sup>,Öžw'è,μ,½ fXfy□[fX,đ•□%oÁ  
 ,μ,Ä•Ű'ŕ,μ,Ü,·□B□i,·,x,Ä,ì□s“<sup>a</sup>,<sup>a</sup>í□Ü,Æ,È,è,Ü,·□j

□E%oÓ□đ□',«□@CE`

□@fšfAf<f^fCf€□@CE` ,đ%oÓ□đ□',«,Å□s,È,ç,Ü,·□B

□@<í"l,É,í"i—ž,ìžn,Ü,è,ì□s,<sup>a</sup>%oÓ□đ□',«,ìžn,Ü,è,ì□s,Æ" FŽ` ,<sup>3</sup>,é,½□ê±,É□A, **Q□s-**  
 **Ű^È~**,ì“ü—í"É'u,đ fCf“fff“fg □ižš%oo<sup>3</sup>,°□j,μ,Ü,·□B

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□@□s“<sup>a</sup>,ì"¼šp□A'SšpfXfy□[fX,í-<sup>3</sup>□đCE□,É-<sup>3</sup>ž<,μ,Ü,·□B□s“<sup>a</sup>,ìfXfy□[fX,í  
 %o½•ŕžš~A'±,μ,Ä,ç,Ä,à **OK** ,Å,·□B

□@,»,ì, ,Æ [%oÓ□đ□',«,Æ" FŽ` ,<sup>3</sup>,é,é•ŕžš] ,<sup>a</sup>, ,é,î" FŽ` ,μ,Ü,·□B,±,ì•ŕžš,à  
 %o½•ŕžš~A'±,μ,Ä,ç,Ä,à **OK** ,Å,·□B

□@[□"žš] [fAf<ftf@fxfbf],đ" FŽ` ,<sup>3</sup>,<sup>1</sup>,½,ç□ê±,í,»,é,¼,è,ì□€-Ű,đ f" ffbfN ,μ,Ä  
 %oo<sup>3</sup>,ç□B

□@□ÅCEã,É [%oÓ□đ□',««æ□ø,è•ŕžš(%oÓ□đ□',«,ì□i,í,è,đž!,·•ŕžš)]

,<sup>a</sup>CE©,Â,©,é,Æ□A,±,ì□s,í%ó□ð□',«,ìšžn□s,Æ" FŽ<sup>-</sup>,<sup>3</sup>,ê,Ü,·□B,±,ì•¶žš,à  
%o½•¶žš~A'±,μ,Ä,ç,Ä,à **OK**,Å,·□B  
□@,»,ì, ,Æ,É "¼šp□A'SšpfXfy□[fX,<sup>a</sup>%o½•¶žš,©~A'±,μ,Ä,ç  
,ê,î,»,ê,à" FŽ<sup>-</sup>,μ,Ü,·□B

□@%ó□ð□',«,ìžn,Ü,è,ì□s,ì" FŽ<sup>-</sup>,ì,½,β,É,í  
[%ó□ð□',«æ□∅,è•¶žš(%ó□ð□',«,ì□i,í,è,ðž!,•¶žš)] ,<sup>a</sup>•K, ,•K—v,Å,·□B□]  
,Á,Ä'P"Æ,ì•¶žš,ð" FŽ<sup>-</sup>,<sup>3</sup>,½,ç□ê□†,í,»,ì•¶žš,ð  
[%ó□ð□',«æ□∅,è•¶žš(%ó□ð□',«,ì□i,í,è,ðž!,•¶žš)] ,Öžw'è,μ,Ä%o<sup>o</sup>,<sup>3</sup>,ç□B  
□@—á,î,î□A- ,ì•¶žš,ð [%ó□ð□',«æ□∅,è•¶žš(%ó□ð□',«,ì□i,í,è,ðž!,•¶žš)]  
,Öžw'è,·,ê,î□A

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,ìše□s,ì,æ,κ,É□æ"<sup>a</sup>,<sup>a</sup>□- ,Åžn,Ü,é□s,ð%ó□ð□',«,ìšžn□s,Æ,μ,Äžg—p,Å,«,Ü,·□B  
'OCEã,É **1CEÂ** ^È□ã,ìfXfy□[fX,<sup>a</sup>,ê,î,»,±,Ü,Å,afCf"fff"fg,ì 'î□û ,Æ,È,è,Ü,·□B

□E%ó□ð□',«,Æ" FŽ<sup>-</sup>,<sup>3</sup>,ê,é•¶žš,ðžw'è,μ,Ä,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ç  
□@%ó□ð□',«,Æ" FŽ<sup>-</sup>,<sup>3</sup>,ê,é•¶žš,ðžw'è,μ,Ü,·□B  
□Efvfifšfjf,□[fh,ð•<sup>1</sup>—p,·,é  
□@%ó□ð□',«,Æ" FŽ<sup>-</sup>,Éfvfifšfjf,□[fh,ì fg□',« ,ì•"<sup>a</sup>,ìfCf"fff"fg<@"\,ð•<sup>1</sup>—p,μ,Äžg  
—p,μ,½,ç□ê□†,ìf`fFbfN,μ,Ä%o<sup>o</sup>,<sup>3</sup>,ç□Bfvfifšfjf,□[fh,ì fg□',« " FŽ<sup>-</sup><@"\,<sup>a</sup>t  
%oÁ,<sup>3</sup>,ê,Ü,·□B  
□@<í'í"l,É,í□A'í—ž,ìšžn□s,É'Sšp□A"¼šp,ìfXfy□[fX,<sup>a</sup>~A'±,μ,Ä,ç,é□ê□†,»,±,ð  
%ó□ð□',«,ìšžn□s,Æ,μ,Ä" FŽ<sup>-</sup>,μžŸ□s^È□~ ,íž© " ®"l,É"ü—  
í^É'u,ð,»,ì^É'u,Ü,ÅfCf"fff"fg,μ,Ü,·□B

□@,±,ì<@"\,ðžg,κ,±,Æ,É,æ,è—á,î,î^È%o<sup>o</sup>,ì,æ,κ,È%ó□ð□',«,à%oÁ"\  
,Æ,È,è,Ü,·□B

□@,P□Df^fCfjf<  
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□@□@,P□D,P□i@f^fCfjf<,Q

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E'i—Žf, [fh

@ [ON] ,Å, ,é,ÎA mfvjifšlf, [fh,đ•¹—p, ,é n,ÅŽg—p, ĩêž,É fg',« ,ì—  
Ž,ì,Q s—Ú^È~ ,ìfCf"fff"fg,đ'SšpfXfy [fX,P•ŕŽš•²,È,,µ,Û,·B  
—á,!,îǎ<L,ì—á, ĩêž,Å,µ,½,ç^È%º, ì,æ,œ,É,È,è,Û,·,·B  
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E"Žš

@'SšpA"¼Šp, ĩ"Žš (0-9) ,đ  
%ºÓđ',«,Æ"FŽ¯ ,³,ê,é•ŕŽš,Æ,µ,½,çêž, Íf`fFbfN,µ,Ä%º,³,çB

EfAf<ftf@fxfbfg

@'SšpA"¼Šp, İfAf<ftf@fxfbfg (A-Z, a-z) ,đ  
%ºÓđ',«,Æ"FŽ¯ ,³,ê,é•ŕŽš,Æ,µ,½,çêž, Íf`fFbfN,µ,Ä%º,³,çB

E%ºÓđ',«æØ,è•ŕŽš(%ºÓđ',«,ì, í,è,đŽ|,·ŕŽš),đŽw'è,µ,Ä,,¾,³,ç  
@%ºÓđ',«æØ,è•ŕŽš(%ºÓđ',«,ì, í,è,đŽ|,·ŕŽš),đŽw'è,µ,Û,·B

E"Žš

@'SšpA"¼Šp, ĩ"Žš (0-9) ,đ  
%ºÓđ',«æØ,è•ŕŽš,Æ,µ,Ä"FŽ¯ ,µ,½,çêž, Íf`fFbfN,µ,Ä%º,³,çB

@ "Žš,đ%ºÓđ',«æØ,è•ŕŽš,Æ,µ,ÄŽg,œ,±,Æ,É,æ,èA—á,!,î^È%º, ì,æ,œ,É  
%ºÓđ',«,º%ºÄ"\,Æ,È,è,Û,·B



Ⓜ,“x,È , ,ç,Û,çŸÿö,ìÿ’è

ⓂE,“x,È , ,ç,Û,çŸÿö Žž,ìŸÿö•û-@

Ⓜ@,“x,È , ,ç,Û,çŸÿöçy,ÑA,“x,È , ,ç,Û,çŸÿö,Q(Ⓜ{Ⓜ³K•Ÿ»)

Žž,ìŸÿö,Å,ìŸÿö•û-@,ðÿ’è,ð,μ,Û,·B

Ⓜ@^È%º,ì,RŽí—P,ì’t,©,ç’l,ñ,Å%º,³,çB

Ⓜ@ⓂEⓂi,PⓂj’SŠp,Æ”¼Šp•ŸŽšAŸŸf^ŸŸfi,Æ,Đ,ç,ª,È,ð”^êŽ<,·,é

Ⓜ@Ⓜ@,·,x,Ä,ì•ŸŽš,ð’SŠp•ŸŽš,É“^ê,μ,ÄA,Û,½ŸŸf^ŸŸfi,Í,Đ,ç,ª,È,Ö“^ê,μ,Ä,©,ç

Ÿÿö,ðs,ç,Û,·B

Ⓜ@Ⓜ@,» ,ìŸÿöÊA^È%º,ì•ŸŽš,ð”^êŽ<,Å,«,Û,·B

Ⓜ@Ⓜ@ÊËÌÍ <-> ,Í,Đ,Ó,Ö,Û

Ⓜ@Ⓜ@ÊĀĒĪĬĪĬĪĬ <-> ,Ī,Ñ,Ô,x,Ú

Ⓜ@Ⓜ@ÊĒĒĪĪĪĪĪĪĪ <-> ,Ī,Ò,Õ,Ø,Û

Ⓜ@Ⓜ@fjfrfufxf{ <-> ,Ī,Ñ,Ô,x,Ú

Ⓜ@Ⓜ@fpfsfvfyf| <-> ,Ī,Ò,Õ,Ø,Û

Ⓜ@Ⓜ@12345 <-> ,P,Q,R,S,T

Ⓜ@Ⓜ@ABCDE <-> ,` ,a,b,c,d

Ⓜ@Ⓜ@,Û,½Ÿÿöçf,Ⓜ[fh,ªⓂm’â•ŸŽšEⓂ→•ŸŽš,ð<æ•Ê,μ,È,çⓂn,Å, ,é,Ī

Ⓜ@Ⓜ@^È%º,ì•ŸŽš,ð”^êŽ<,Å,«,Û,·B

Ⓜ@Ⓜ@abcde <-> ,` ,a,b,c,d

Ⓜ@Ⓜ@,Ⓜ,,,f,,,, <-> ,` ,a,b,c,d

Ⓜ@ⓂEⓂi,QⓂj’SŠpŸŸf^ŸŸfiA,Đ,ç,ª,È,ð”¼ŠpŸŸf^ŸŸfi,Æ”^êŽ<,·,é

Ⓜ@Ⓜ@Ⓜi’÷%º¹A”¼’÷%º¹,àA%º¹,Æ,μ,ÄŸÿö,Å,«,Û,·j

Ⓜ@Ⓜ@’SŠpŸŸf^ŸŸfi,Æ,Đ,ç,ª,È,ð”¼Šp•ŸŽš,É•İŠ,μ,Ä,©,çŸÿö,ðs,ç,Û,·B

Ⓜ@Ⓜ@,±,Īf,Ⓜ[fh,Å,ÍA’÷%º¹A”¼’÷%º¹,àA%º¹,Æ,μ,ÄŸÿö,·,é,±,Æ,ª,Å,«,Û,·B

Ⓜ@Ⓜ@,» ,ìŸÿöÊA^È%º,ì•ŸŽš,ð”^êŽ<,Å,«,Û,·B

Ⓜ@Ⓜ@ÊĀĒĪĬĪĬĪĬ <-> ÊËÌÍ

Ⓜ@Ⓜ@ÊĒĒĪĪĪĪĪĪĪ <-> ÊËÌÍ

Ⓜ@Ⓜ@,Í,Đ,Ó,Ö,Û <-> ÊËÌÍ

Ⓜ@Ⓜ@,Ī,Ñ,Ô,x,Ú <-> ÊËÌÍ

[]@[]@,İ,Ò,Õ,Ø,Û <-> ÊËÌÍ  
 []@[]@fnfqftfwfz <-> ÊËÌÍ  
 []@[]@fofrfufxf{ <-> ÊËÌÍ  
 []@[]@fpfsfvfyf| <-> ÊËÌÍ  
 []@[]@,P,Q,R,S,T <-> 12345  
 []@[]@,` ,a,b,c,d <-> ABCDE

[]@[]@,Û,½,Œ,Ÿ,[]öf,[]fh,ªm'â•¶Žš[]E[]¬•¶Žš,ð<æ•Ê,µ,È,ç[]n,Â, ,é,î  
 []@[]@^È%º,ì•¶Žš,ð“^êŽ<,Â,«,Û,·[]B

[]@[]@,` ,a,b,c,d <-> abcde

[]@[]E[]i,R[]j”¼Špfjf^fjfi,Æ,Ð,ç,ª,È,ð“^êŽ<.,é  
 []@[]@”¼Špfjf^fjfi,ð,Ð,ç,ª,È,É,İŠ.,µ,Ä,©,çŒŸ[]ö,ð[]s,ç,Û,·[]B  
 []@[]@fAf<ftf@fxfbfg[]A[]”Žš[]A’SŠpfjf^fjfi,í•İŠ.,µ,Û,¹,ñ[]B  
 []@[]@,» ,ìŒ<%ºÊ[]A^È%º,ì•¶Žš,ð“^êŽ<,Â,«,Û,·[]B

[]@[]@ÊËÌÍ <-> ,Í,Ð,Ó,Ö,Û  
 []@[]@ÊËËÌÍÍÍ <-> ,Î,Ñ,Ô,×,Ú  
 []@[]@ÊËËÌÍÍÍ <-> ,İ,Ò,Õ,Ø,Û

[]@[]EŽw'è,µ,½•¶Žš,ð“Ç,Ý”ò,Î,µ,Û,·,©  
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 []@[]@[],”x,È , ,ç,Û,çŒŸ[]ö,Â,»,x,ç,xŒ¾-t,ðŒŸ[]ö,·,é,½,ß,É,±  
 ,İfZfNfVf#f“ ,Í, ,è,Û,·[]B  
 []@[]@[]m,ç,ç,|[]n,©[]m,Í,ç[]n,ì,ç, ,é,©,ð’l,ñ,Â%º,³,ç[]B

[]@[]E“Ç,Ý”ò,Î,µ,Ä,æ,ç•¶Žš,ì[]W,Û,è,ðŽw'è,µ,Ä%º,³,ç  
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[]@[]@-á,İ,Î [] ,ðŽw'è,·,é,Æ  
 []@[]@fRf“fsf...[]f^[] ,Æ fRf“fsf...[]f^ ,ð“^êŽ<,Â,«,Û,·[]B  
 []@[]@-á,İ,Î []E ,ðŽw'è,·,é,Æ  
 []@[]@f,fff<[]fnfEfX ,Æ f,fff<fnfEfX ,ð“^êŽ<,Â,«,Û,·[]B  
 []@[]@-á,İ,Î ,È ,ðŽw'è,·,é,Æ  
 []@[]@[],”x,È<Z[]p ,Æ [],“x<Z[]p ,ð“^êŽ<,Â,«,Û,·[]B  
 []@[]@-á,İ,Î ,ì ,ðŽw'è,·,é,Æ

□@□@<K'è,ì—z<à ,Æ <K'è—z<à ,đ“^êž<,Å,«,Ü,·□B

□@□E,Ü,½CEŸ□ōf,□[fh,ª □,“x,È , ,ç,Ü,çCEŸ□ō,Q(□{□³<K•\CE») ,ì□ê□‡

□@□@^È%º,ì□A□³<K•\CE»,ªžg—p,Å,«,Ü,·□B

□@□@,QfofCfjg•Ÿžš□išžš□j,É,à'í%ž,μ,Ä,ç,Ü,·□B

□@f□f^•Ÿžš      ^Ó-;i

□@ŠpfjfbfR

□@ [...] : [ ]“à,ì”C^Ó,ì,P•Ÿžš,Æf}fbf` ,μ,Ü,·

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□@□@□@□@□@•Ÿžš"A"□A"B"□A"\□A"|"□A"D"□A"^",ì,ç,,è,©,É“K□‡,μ,Ü,·

□@□@□@□@□@ [ ]“à,Å,í□f^•Ÿžš,à”C^Ó,ì,P•Ÿžš,Æ%đžžB,³,è,Ü,·

□@ŠpfjfbfR“à□æ“ª,ìfjfcfbfg

□@[^...] : [ ]“à^ÈŠO,ì”C^Ó,ì,P•Ÿžš,Æf}fbf` ,μ,Ü,·

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□@□@□@□@□@•Ÿžš"A"□A"B"□A"\□A"|"□A"D"□A"^"ÈŠO,ì”C^Ó,ì•Ÿžš,É“K□‡,μ,Ü,·

□@□@□@□@□@ [ ]“à,Å,í□f^•Ÿžš,à”C^Ó,ì,P•Ÿžš,Æ%đžžB,³,è,Ü,·

□@fsfšfjh

□@ . : ”C^Ó,ì^è•Ÿžš,Æf}fbf` ,μ,Ü,·

□@□@□@□@□@—á□F.ABC

□@□@□@□@□@”C^Ó,ì,P•Ÿžš,Æ•Ÿžš—ñ "ABC" ,đ□‡,í,¹,½•Ÿžš—ñ,É“K□‡,μ,Ü,·

□@fnfCftf“

□@ - : —¼'α,ì•Ÿžš,ìŠÔ,ì•Ÿžš,Æf}fbf` ,μ,Ü,·

□@□@□@□@□@—á□FA-D

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□@ \* : '¼'O,ì□f^□[f“ ,ì,O%ñ^È□ã,ì,,è•Ô,μ,Æf}fbf` ,μ,Ü,·

□@□@□@□@□@—á□FA\*BC

□@□@□@□@□@BC□AABC□AAABC□AAAABC□AAAAABC ,È,Ç,É“K□‡,μ,Ü,·

□@fvf%oFX

Ⓜ@ + : '¼'O,ìfƒf^Ⓜ[f“,ì,P%ññ^ÈⓂã,ì,,è•Ô,μ,Æf}fƒf` ,μ,Û,·

Ⓜ@Ⓜ@Ⓜ@Ⓜ@Ⓜ@—áⓂ**FA+BC**

Ⓜ@Ⓜ@Ⓜ@Ⓜ@Ⓜ@ABCⓂAAABCⓂAAAABCⓂAAAAABC ,È,Ç,É“KⓂ‡,μ,Û,·



## □@fj□[f<,ìY`è

### □Ej□[f<fL□[f,□[fh

□@□mf□[f}f<□n□A□mfZf~ftfŠ□[□n□A□mftfŠ□[□n,ì,ç,,è,©,æ,è'l,ñ,Å%º,³,ç□B  
□@ftfŠ□[f□[f<fL□[f,□[fh,í%ü□s,æ,è%E,Ö,àf□[f<,ì^Ú“®ª,Å,«,é,□[fh,Å,·□B  
□@%ü□s,æ,è%E,Å•¶Žš,ì“ü—í,ð,µ,½□ê□‡,í“ü—í•¶Žš,Æ  
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%º•ûCEü,É^Ú“®µ,½□Ü□Afj□[f<^É'u,ª□s--^È□~É—^,é□ê□‡,Å,à•Ž!fj  
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□@fy□[fWfAfbfv□Ef\_fEf“,·,éfy□[fW□”,ð□m,P□^,Qfy□[fW□n□A□m,Q□^,Rfy□[f  
W□n□A□m,Pfy□[fW□n□A□m,Qfy□[fW□n,ì,ç,,è,©,æ,è'l,ñ,Å%º,³,ç□B  
□@,Qfy□[fW,Å,·,é,î□mf□[f<%Á'→,Ü,Å,lfL□[fŠfs□[fg%ñ□”□nEo  
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f<,Æ“Šú,³,¹,é,©□A,»,è,Æ,àŽÀ□Ü,ìfj%ofÉ^É'u,Ö•Ž!,·,é,©,ìY`è,ð,µ,Ü,·□B  
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### □EŽw`è□s,Ö,lfWfff“fv,Å,ífj□[f<'...`n^É'u

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### □E“\,è•t,`CEã,ífj□[f<^É'u

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□@□ĀĀã,Ö^Ú“®□@,ì□ê□#,í'£,è•t,¯,½fēfLƒXfg,ìĀã,è,Öfj□[f  
f<^Ê'u,à^Ú“® ,μ,Ü,·□B

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p,³,é,é,ĀĒ'□, '¬,ĀfXfNf□□[ƒ<,μ,Ü,·□B

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f<fL□[ ^Ú“® ,đ%ºĀ'¬□n□A□m□¶%ºE,Ö,ìfj□[fƒ<fL□[ ^Ú“® ,đ  
%ºĀ'¬□n,ì“®□ìŽž,É^Ó-j,đŽ□,¿,Ü,·□B

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□@10f~fŠ•b,©,ç100f~fŠ•b,Ü,Ā,ì"í'í,Ā1f~fŠ•b'P^Ê,Ā□Ý'è,Ā,«,Ü,·,ì,ĀĀĀX,ìf  
}fVf“,Ā,ì□Ā“K,ÈfL□[fŠfs□[fgŠÔŠu,à□Ý'è,Ā,«,Ü,·□BfL□[fŠfs□[fgŠÔŠu,í10f~fŠ•b,  
ì□ê□#,à,Ā,ĀĒ,à'¬,·,É,è,Ü,·□BĒ□í,í60f~fŠ•b'OEã,à“K“- ,©,ĀŽv,ç,Ü,·,à,²Žg—  
p,ìf}fVf“,É□#,í,¹,Ā” ÷'²□® ,μ,Ā□Ý'è,³,ê,Ā%º,³,ç□B

,½,¾,μ□A,Ç,ñ,È,É'¬,fL□[,đ%ºÝ,μ'±,¯,Ā,à□Afn□[fhfEfFfA,ì“\—í,à,»,é,đ□^—  
□,Ā,«,È,ç□ê□#(%ºæ-Ê,đ•Ž!,·,é'¬“x“™),í,»,ì□^—  
□ŽžŠÔ,đ'Ò,½,³,ê,Ā,μ,Ü,ç□AŽv,ç'Ê,è,ì^Ú“® '¬“x,à,Ā,Ü,¹,ñ□B  
,±,æ,ç,æ□ê□#('x,çf}fVf“,ì□ê□#),í [fj□[fƒ<fL□[ ^Ú“® ,đ%ºĀ'¬] ,ìfXfCfbf` ,đ•¹—  
p,³,é,Ā'²□® ,μ,Ā%º,³,ç□B



☐@fc☐[f<fo☐☐AfXfe☐[f^fXfo☐☐Aftf@f“fNfVf#f“fL☐☐AfXfNf☐☐[f<fo☐☐

fc☐[f<fo☐☐,ÍĈv,Q-ſ,đŽg—p,Å,«,Ü,·☐B  
,Q-ſ{<α,É•\Ž!,ì [ON] [OFF] ,ª,Å,«☐A,Ü,½☐ã%ºº☐¶%ººE,ì☐D,«,È^Ê'u,ÖfZfbfg☐o—  
^,Ü,·☐B

☐Efc☐[f<fo☐☐ftfCfy

☐@fc☐[f<fo☐☐,ì'å,«,³,ì☐Ý'è,đ,µ,Ü,·☐B  
☐@fc☐[f<fo☐☐,ì'å,«,³,Í,Q'iŠK☐i•☐'ÊE'å,«,ßj,ì't,©,ç'l,Ô,±,Æ,ª,Å,«,Ü,·☐B  
☐@Žg—p,·,é,b,q,s,ì'å,«,³☐A☐ì<ÆŠÂ«☐A☐D,Ý,É, ,í,¹,Ä'l,ň,Å,,¾,³,ç☐B

☐Efc☐[f<fo☐☐,P,đ•\Ž!,·,é

☐@fc☐[f<fo☐☐,P,ì•\Ž!,ì [ON] [OFF] ,ì☐Ý'è,đ,µ,Ü,·☐B

☐Efc☐[f<fo☐☐,P,ì^Ê'u

☐@fc☐[f<fo☐☐,P,ì•\Ž!^Ê'u,ì☐Ý'è,đ,µ,Ü,·☐B  
☐@^È%ºº,ì,S,Â,ì't,©,ç'l,x,Ü,·☐B  
☐@☐E☐ã•",Öf^fR',É"z'u  
☐@☐E%ºº•",Öf^fR',É"z'u  
☐@☐E☐¶•",Öf^fe',É"z'u  
☐@☐E%ººE•",Öf^fe',É"z'u

☐Efc☐[f<fo☐☐,Q,đ•\Ž!,·,é

☐@fc☐[f<fo☐☐,Q,ì•\Ž!,ì [ON] [OFF] ,ì☐Ý'è,đ,µ,Ü,·☐B

☐Efc☐[f<fo☐☐,Q,ì^Ê'u

☐@fc☐[f<fo☐☐,Q,ì•\Ž!^Ê'u,ì☐Ý'è,đ,µ,Ü,·☐B  
☐@^È%ºº,ì,S,Â,ì't,©,ç'l,x,Ü,·☐B  
☐@☐E☐ã•",Öf^fR',É"z'u  
☐@☐E%ºº•",Öf^fR',É"z'u  
☐@☐E☐¶•",Öf^fe',É"z'u  
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☐EfXfe☐[f^fXfo☐☐,đ•\Ž!,·,é

☐@fXfe☐[f^fXfo☐☐,ì•\Ž!,ì [ON] [OFF] ,ì☐Ý'è,đ,µ,Ü,·☐B  
☐@[ON] ,Å, ,è,ÍfEfcf“fhfE,ìã•",ÖfXfe☐[f^fXfo☐☐,đ•\Ž!,µ,Ü,·☐B

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□@[ON] ,Å, ,ê,îfEfCf“fhfE,ì%°•”,Öftf@f“fNfVf#f“fL□[,đ•\Ž!,μ,Û,·□B

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□@,WĈĈ□A,P,OĈĈ□A,P,QĈĈ,ì,ç,,ê,©,đ‘l,ñ,Å%°°°³,ç□B

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□@f^fefXfNf□□[f<fo□[,ì•\Ž!,ì [ON] [OFF] ,ì□Ý’è,đ,μ,Û,·□B

□Ef^fRfXfNf□□[f<fo□[,đ•\Ž!,,é

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## @fL[f][fh,ìY'è

### EfL[f][fh,ìY'è

@fL[f][fh·\Ž!F,Å·\Ž!,,éfL[f][fh]i'PCEêj,ð“o~^,μ,Ü,·B  
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@,Pfy[fW“-½,è,R,QfL[f][fh,ð“o~^,·,éŽ-,ªo—^Afy[fW-  
^,É^Ü,È,Á,½F,Å·\Ž!,³,¹,éŽ-,ªo—^,Ü,·B  
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Ž!,Å,ìfL[f][fh,P,©,çfL[f][fh,R,Ü,Å,É'í%ž,μ,Ü,·B  
@fL[f][fh]i'PCEêj,íæ“ª,æ,è<l,β,Ä“o~^,·,é·K—v,í, ,è,Ü,¹,ñB  
@fL[f][fh,ìCEÿð,ífñbfVf...-@,ð—,β,½“ÆŽ©,ì·û-@,Ås,È,Á,Ä,ç  
 ,Ü,·,ì,ÅA,ç,ìèéš,ìfL[f][fh,àCEÿðö“x,í^è—l,Å,©,Å,‘¬,Å,·B

## @Rf[f]“fgs

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'PCEêj·qŽš,ìCEã,è,É“fCEfxf<,ì·qŽš,ª,È,ç,±,Æj,Å, ,é·K—v,ª, ,è,Ü,·B

## @E·ÒWfy[fWNo.

@@·ÒW,·,éfL[f][fh,ìfy[fWNo.,ð'l'ð,μ,Ü,·B  
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Ž!,Å,ìfL[f][fh,P,©,çfL[f][fh,R,Ü,Å,É'í%ž,μ,Ü,·B

## @Efj[f]f<s,ìfL[f][fh·\Ž!F

@@@CE»fj[f]f<s,ìfL[f][fh,ì·\Ž!F,ð'l'ð,μ,Ü,·B  
@@@fj[f]f<s·qŽšFfEfL[f][fh·\Ž!F,ì,ç,,è,Å·\Ž!,·,é,©,ð'l,ñ,Å%º,³,çB

## Ⓜ@fcⓂ[f<foⓂ[,ì•òⓂw

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,Q- {,ìfcⓂ[f<foⓂ[,ì,κ,ι,Ç,ι,ç,ìfcⓂ[f<foⓂ[,ð•òⓂw,∴,é,©,íⓂmŽí—pⓂn,Á'ì'ð,μ,Ü,∴ⓂB  
“o~^fŠfXfgf{fbfNfXⓂiⓂ¶,ìfŠfXfgf{fbfNfXⓂj,É•\Žì,³,ê,Ä,ç,éfⓂfjf...Ⓜ[Ⓜ€-  
Ú,©CE»Ÿ“o~^,³,ê,Ä,ç,éfⓂfjf...Ⓜ[Ⓜ€-Ú,Á,∴ⓂB

“o~^fŠfXfgf{fbfNfX,ìⓂă,É,íCE»Ÿ,ì“o~^CEÂⓂ”,ª•\Žì,³,ê,Ü,∴ⓂB

'ì'ðfŠfXfgf{fbfNfXⓂi%oE,ìfŠfXfgf{fbfNfXⓂj,É,íCE»Ÿ'ì'ð,³,ê,Ä,ç,éfⓂfjf...

Ⓜ[fOf<Ⓜ[fv,ìfⓂfjf...Ⓜ[Ⓜ€-Ú,ª•\Žì,³,ê,Ä,ç,Ü,∴ⓂB

fⓂfjf...Ⓜ[fOf<Ⓜ[fv,æ,è•Ê,ìⓂ€-Ú,ð'ì'ð,∴,é,ÆⓂA,»,ìfOf<Ⓜ[fv,ìfⓂfjf...Ⓜ[Ⓜ€-Ú,ª•\  
Žì,³,ê,Ü,∴ⓂB

'Ç%oÁⓂA' }“ü,ìⓂêⓂ±,íⓂA'ì'ðfŠfXfgf{fbfNfX,æ,èfⓂfjf...Ⓜ[Ⓜ€-

Ú,ð'ì,Ń“o~^fŠfXfgf{fbfNfX,Ö'Ç%oÁ,μ,Ü,∴ⓂB

—¼fŠfXfgf{fbfNfX,Æ,àⓂACE»Ÿ'ì'ð,³,ê,Ä,ç,éfⓂfjf...Ⓜ[Ⓜ€-Ú,ìfAfCfRf“,ªⓂă,ì•û,É•\  
Žì,³,ê,Ü,∴,ì,Á,í,©,è,â,∴,ç,ÆŽv,ç,Ü,∴ⓂB

## ⓂEŽí—p

Ⓜ@,Q- {,ìfcⓂ[f<foⓂ[,ì,κ,ι,Ç,ι,ç,ìfcⓂ[f<foⓂ[,ð•òⓂw,∴,é,©,ð'ì'ð,μ,Ü,∴ⓂB

Ⓜ@fcⓂ[f<,PⓂifcⓂ[f<foⓂ[,PⓂjⓂAfcⓂ[f<,QⓂifcⓂ[f<foⓂ[,QⓂj,ì,ç,Ä,ê,©,ð,ð'ì'ð,μ,Ü,∴ⓂB

## ⓂE'Ç%oÁf{f^f“

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Ⓜ@—á,ì,íⓂm'ÊⓂMⓂnfⓂfjf...Ⓜ[,ìⓂm“d~b,ð,«,éⓂn,ð'Ç%oÁ,μ,½,çⓂêⓂ±,íⓂA,Ü,∴fⓂfjf...

Ⓜ[fOf<Ⓜ[fv,æ,èⓂm'ÊⓂMⓂn,ð'ì'ð,μ,Ü,∴ⓂB,»,κ

,∴,é,Æ'ì'ðfŠfXfgf{fbfNfX,ÉⓂm'ÊⓂMⓂnfⓂfjf...Ⓜ[,ìfⓂfjf...Ⓜ[Ⓜ€-Ú,ª•\

Žì,³,ê,Ü,∴,ì,ÁⓂm“d~b,ð,«,éⓂn,ìⓂ€-Ú,ð'ì'ð,μ,Ü,∴ⓂB

Ⓜ@,»,μ,Ă'Ç%oÁf{f^f“,ð%Ÿ,¹,íⓂV,μ,çfⓂfjf...Ⓜ[Ⓜ€-Ú,ð'Ç%oÁ,μ,Ü,∴ⓂB

## ⓂE'}“üf{f^f“

Ⓜ@CE»ŸⓂA“o~^fŠfXfgf{fbfNfX,Á'ì'ð,³,ê,Ä,ç,éfⓂfjf...Ⓜ[Ⓜ€-Ú,ìⓂă,ÖⓂV,μ,çfⓂfjf...  
Ⓜ[Ⓜ€-Ú,ð' }“ü,μ,Ü,∴ⓂB

Ⓜ@—á,ì,íⓂm'ÊⓂMⓂnfⓂfjf...Ⓜ[,ìⓂm“d~b,ð,«,éⓂn,ð' }“ü,μ,½,çⓂêⓂ±,íⓂA,Ü,∴fⓂfjf...

Ⓜ[fOf<Ⓜ[fv,æ,èⓂm'ÊⓂMⓂn,ð'ì'ð,μ,Ü,∴ⓂB,»,κ

,∴,é,Æ'ì'ðfŠfXfgf{fbfNfX,ÉⓂm'ÊⓂMⓂnfⓂfjf...Ⓜ[,ìfⓂfjf...Ⓜ[Ⓜ€-Ú,ª•\

Ž,³,ê,Û,·,ì,Åm“d~b,ð,«,éñ,ì€-Ú,ð'íð,μ,Û,·B  
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@íœ,ìê‡,íA“o~^fŠXfgf{fbfNfX,æ,èfj...[€-Ú,ð'l,Ñíœf{f^f“,ð  
%ÿ,·,Æ,»ì€-Ú,íç[f<fo[“o~^,æ,èíœ,³,ê,Û,·B

E,â,è'¼,μf{f^f“

@fc[f<fo[,ì•ÒWì<Æ,ðÅ%º,©,ç,â,è'¼,μ,½,ç,Æ,«ÉŽg—p,μ,Û,·B  
@fc[f<fo[,ì“o~^“à—e,íì<ÆŠŽn'O,ìó'Ô,É%ºŠú%º»³,ê,Û,·B

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@fc[f<fo[,ì•ÒWì<Æ,ð,l,l,Ž,ÂŠî- {,ìó'Ô,É,μ,½,ç,Æ,«ÉŽg—p,μ,Û,·B  
@fc[f<fo[,ì“o~^“à—e,í,l,l,Ž,ÂŠî- {,ìó'Ô,É%ºŠú%º»³,ê,Û,·B

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@fc[f<fo[,ì•ÒW“à—e,ð•Û'¶,μ,Äì<Æ,ðl—¹,μ,Û,·B

E'tŽ~f{f^f“

@fc[f<fo[,ì•ÒW“à—e,ð•Û'¶,¹,,Éì<Æ,ðl—¹,μ,Û,·B





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%o½,é,©,ì•û-@,Å•Û'¶,μ,Û,·☐B

☐@•ïX'O,ìftf@fCf<,ª•Û'¶,³,é,Û,·,ì,Å'Ê☐í,í [ON] ,ª,æ,ç,ÆŽv,ç,Û,·☐B

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,é,¾,¾,¾,©,ç,Å,·☐B,μ,½,ª,Á,Ä☐A☐mfobfNfAfbfvftfHf<f\_-¼☐n,ì☐Ý'è,Éfhf

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☐@☐@,X,T•W☐€,ìf\_fCfA☐fO,đŽg—p,μ,Û,·☐B

☐@“¬Žž,É•;☐”,ìftf@fCf<,đ'í'đ,μ,ÄŠj,Ž-,à,Å,« ,Û,·☐B

☐@•û-@,É,Å,ç,Ä,í [f☐fj...☐[^ê—] [ftf@fCf<f☐fj...☐[] [Šj,] ,ìfwf<fv,đ,²—,·,  
,¾,¾,¾,ç☐B

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□@ŽÝ,ì,QŽí—þ,ì,ç,·,ê,©,ð’l’ð,μ,Û,·□B  
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,π☐'☐D,É,b,c,Å“Y•t,<sup>3</sup>,ê,Ä,ç,é,à,ì,Å V6 ,í^ê”Ô☐V,μ,çfo☐[fWf‡f“,Å,·☐B

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É,<sup>a</sup>,»,ê,¼,ê^Ü,È,è,Ü,·,ì,ÅŽg—p,<sup>3</sup>,é,é%opŽ«~Y,ìfo☐[fWf‡f“,đ☐<sup>3</sup>Šm,ÉŽw'è,μ,Ä  
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 ,½•ûEü,ÖErü,^a^ø,¯,Ü,·[]B[]Erü[]ã,Å SHIFT + -î^ófl[[] ,ÅErü,ð[]Á,·Ž-  
 ,^a,Å,«,Ü,·[]B  
 []@Erü,ìŽí—þ,ì•ïX,í[]mErü,ð^¾ü,ÅON.OFF[]n,Å[]s,Á,Ä%°°^,³,ç[]B  
 []@[ON] ,È,ç^¾ü[]A[OFF] ,È,ç[]×[]ü,Æ,È,è,Ü,·[]B  
 []@[]V<Kftf@fCf<,ðŠ],ç,Ä CTRL fL[[],ð%°ÿ,μ,Ä -î^ófl[[],ð“K“- ,É%°ÿ,μ,Ä,à,ç,æ  
 ,ÆErü,ð^ø,Š´Šo,í,·,®,É%°ð,Á,Ä,à,ç,ì,é,ÆŽv,ç,Ü,·[]B

## EErü~g,ìì

@Erü,ìŽí—þ[]i^¾ü[]E[]×[]ü[]j[]Af^fe•[](0-99)[]Af^fR•[]("¼Šp•¶Žš,Å 0-99)  
 ,ðŽw’è,μ,ÄErü~g,ðìì},μ,Ü,·[]B  
 []@f^fe•[](0-99)[]Af^fR•[](0-99),íErü~g,ì’t,É“ü—í,Å,«,é•¶Žš[]”,ðŽw’è,μ,Ä  
 %°°^,³,ç[]B  
 ‘SŠp•¶Žš,ì[]ê[]#[]Af^fR•[],í,P•¶Žš,Å,Q[]i“¼Šp•¶Žš,ì,Q”{[]j,Æ,È,è,Ü,·[]B  
 []@Erü~g,ì’â,«,³,íEã,ÅŠÈ’P,É•ïX,Å,«,Ü,·,ì,Å’â,Ü,©,È’â,«,³,Å[]~-,³,é,Ä,¯,Á,±  
 ,æ,Å,·[]B

@Erü~g,ìì}ŠŽn“\_ ,íE’¥,Æ,μ,Ä%°ü[]s,ì[]ã,ì’n“\_ ,©,ç[]s,Á,Ä%°°^,³,ç[]B  
 []@[]ì[]}ŠŽn“\_ ,æ,è’O,ìjff%°f€^È’u,Éfxfy[]fX[]Af^fu•¶Žš^ÈŠO,ì•¶Žš,^a , ,é,Æ,æ  
 ,Ü,“®[]ì,μ,Ü,¹,ñ[]B  
 []@,Ü,½[]ì[]}ŠŽn“\_ ,^a EOF[]ã,ì[]ê[]#,í%°ü[]s,ð’}“ü,μ,Ä,©,çŽÀ[]s,μ,Ü,·[]B  
 []@[]ì[]}ŠŽn“\_ ,ì[]s,ì^È[]~ ,ìjff%°f€^È’u,É•¶Žš,^a , ,é[]ê[]#,í[]ì[]}ŠŽn’O,Éí[]œ,³,é,Ü,·  
 []B

@,s,’,•,...f^fCfvftfHf“fg[]i,l,r-  
 ¾’©“™[]j,ðŽg,í,é,é,Æf^fe,ìErü,^a,Å,È,^a,è,Ü,·,ì,Å,«,é,ç,ÉE©,ì,Ü,·[]B

@Erü~g,ðìì},μ[]l,í,Á,½,ç[]mErü[]ì[]}f,[]fhn,ìON.OFF[]n,ð [ON]

,É,μ,Ä~g“à,ìĀErü,ð^ø,ç,Ä%º,³,çB

Ⓜ@mĀErü}f,[]fh[]n,Á,Í^È  
%º,ìfL[],ðŽg,Á,ÄĀErü,ì}ĀĀErü~g,ìfTfCfY,ì•ĪX,ªs,ì,Ü,·B

Ⓜ@ĀErü~g“à,ìĀErü,ìì%ºæĀĀÁ<Ž@[]|[]|[]|[]|  
Ⓜ@Ēf^fRĀErüã,ĀmCTRLfL[],ð%Ÿ,μ,ÄfŠf^[]f“fL[],·n(CTRL+[CR]),ð%Ÿ,·  
Ⓜ@~g“à,Ēf^fĀErü,ðì%ºæ,μ,Ü,·BŠù,Ēf^fĀErü,ª^ø,©,ê,Ä,ç  
,é^Ê'u,ÁŽÀs,·,é,Æ,»,ì@f^fĀErü,ðÁ<Ž,μ,Ü,·B

Ⓜ@Ēf^fĀErüã,ĀmCTRLfL[],ð%Ÿ,μ,ÄfŠf^[]f“fL[],·n(CTRL+[CR])  
Ⓜ@~g“à,Ēf^fRĀErü,ðì%ºæ,μ,Ü,·BŠù,Ēf^fRĀErü,ª^ø,©,ê,Ä,ç  
,é^Ê'u,ÁŽÀs,·,é,Æ,»,ì@f^fRĀErü,ðÁ<Ž,μ,Ü,·B

Ⓜ@ĀErü~g,ìf^fRfTfCfY,ìŠg'âĀk~@[]|[]|[]|[]|  
Ⓜ@Ēf^fRã,ìĀErü~gã,Ām,PĀê%E,ÖfL[],ð%Ÿ,·n(CTRL+F)  
Ⓜ@ĀĀErü~g,ìf^fR,ìfTfCfY,ðŠg'â,μ,Ü,·B

Ⓜ@Ēf^fRã,ìĀErü~gã,Ām,PĀê¶,ÖfL[],ð%Ÿ,·n(CTRL\*A)  
Ⓜ@ĀĀĀErü~g,ìf^fR,ìfTfCfY,ðk~,μ,Ü,·B

Ⓜ@ĀErü~g,ìf^fĒfTfCfY,ìŠg'âĀk~@[]|[]|[]|[]|  
Ⓜ@Ēf^fĒ¶,ìĀErü~gã,Āmfy[]fWfAfbfvfL[],ð%Ÿ,·n([ROLL UP])  
Ⓜ@ĀĀĀĀErü~g,ìf^fĒ,ìfTfCfY,ðŠg'â,μ,Ü,·B

Ⓜ@Ēf^fĒ¶,ìĀErü~gã,Āmfy[]fWf\_fĒ“fL[],ð%Ÿ,·n([ROLL DOWN])  
Ⓜ@ĀĀĀĀĀErü~g,ìf^fĒ,ìfTfCfY,ðk~,μ,Ü,·B

Ⓜ@~g“à,ìĀErü,ð^ø,«[]I,í,Á,½,ç ĀErü•ÜĀif,[]fh,ìON.OFF ,ð ON  
,É,μ,Ä~g“à,É•¶Žš,ð',ç,Ä  
%º,³,çBĀErü,ì•¶ŽšfR[]fh,È,ì,ĀmĀErü•ÜĀif,[]fh,ìON.OFFn,ª OFF  
,¾,ÆĀErü,ª,·,ê,Ä,μ,Ü,ç,Ü,·B

Ⓜ@~g“à,ìĀErü,ìŽí—p,ì•ĪX,í ĀErü,ð¾ü,Ā,ìON.OFF ,Ās,Á,Ä%º,³,çB  
Ⓜ@[ON] ,È,ç¾üĀ[OFF] ,È,ç×ü,Æ,È,è,Ü,·B  
Ⓜ@ĀErü}ì<Æ,ªI,í,Á,½,çĀErü}f,[]fh,ìON.OFF ,ð•K, , [OFF] ,É,μ,Ä

%o<sup>o</sup>,<sup>3</sup>,ç□B

□@,»,,μ,È,ç,Æ□ã<L,ìfL□[,<sup>a</sup>-{—^,ì“®□ì,ð,μ,Ü,<sup>1</sup>,ñ□B



@Erüif,ìON.OFF

Erüif,ì ON. OFF ,ìÝ'è,δ,μ,Û,·B



**☐@☐Er☐ü,☐δ'3/4☐ü,☐ÅON.OFF**

[ON] ,Å, ,ê,î☐Er☐ü,☐δ'3/4☐ü,☐Å☐A[OFF] ,Å, ,ê,î☐x☐ü,☐Å•` ,«,Ü,·☐B



@Erü•ÜEif,[fh,ìON.OFF

Erü•ÜEif,[fh ,ì ON. OFF ,ìÝè,ð,μ,Û,·B

[ON] ,Å, ,é,î•ŕŽš,ì“ü—í,ìÛ,É“ü—í^Ê'u,æ,è%oE'x,É, ,éErü,ð•ÜEì  
,μ,ÄErü,ì^Ê'u,ª, ,é,È,ç,æ,x,É,μ,Û,·B  
,Û,½A[DEL] fL[ ,â [BS] fL[ ,Å•ŕŽš,ðíœ, ,éê, àíœ^Ê'u,æ,è%oE'x  
,É, ,éErü,ð•ÜEì ,μ,ÄErü,ì^Ê'u,ª, ,é,È,ç,æ,x,É,μ,Û,·B  
,Û,½A[TAB] fL[ ,ÅErü,ìŽŸ,ìjff%of€^Ê'u ,Ö^Ú“® ,μ,Û,·BCE>Ý^Ê'u,ª  
%üs,ìê, ÍŽŸ,ìs,ìæ“^jff%of€^Ê'u ,Ö^Ú“® ,μ,Û,·B





© c E % i ' , « f , [ f h , ì • ï X

c ' , « E % o i ' , « , ì • Ò W f , [ f h , ð ( c ' , « - > % o i ' , « A % o i ' , « - > c ' , « , Ö ) • ï X , μ , Ü , · B



# @%op“úužž-|-ó,ìON.OFF

%op“úužž-|-ó,ìON.OFF,đø‘Ö,|,Ü,·B

ON ,É,·,é,Æ-|-óì<Æ,ªs,|,é,æ,κ,É,È,è,Ü,·B

,±,ìžžA%op“ú-|-ó,ìY‘è,ÅŽw‘è,μ,½ž«‘,ª“Ç,Ýž,Ü,é,Ä,ç,È,¯,ê,î“Ç,Ýž,Ý,Ü,·B

OFF ,É,·,é,Æ-|-óì<Æ,ª,Å,«,È,,È,è,Ü,·B

,±,ìžžACE»Y“Ç,Ýž,Ü,é,Ä,ç,éž«‘,đf,f,šã,©,çšJ•ú,·,é,©,Ç,κ,©,đq,È,Ü,·B

Ä,Ñ-|-óì<Æ,đs,κ,ì,Å, ,ê,îAšJ•ú,μ,È,ç,Å OFF ,É,μ,Ä,“,¯,îAšJ(ON)

,·,éžž,É,·,Å,Éž«‘,ª“Ç,Ýž,Ü,é,Ä,ç,Ü,·,ì,Å,·,®,ÉšJžn,·,é,±,Æ,ª,Å,«,Ü,·B

-|-óì<Æ,đ,à,κs,í,È,çA,Ü,½,íf,f,š,ìžÀ‘•—Ê,ª-

,È,çêç,â¼,ífAfvš,đ“žž,É<N“®,μ,Ä,ç,Äf,f,š,đ—LÆø,Éžg,ç

,½,çêç,íšJ•ú,μ,Ä%oº,³,çB



@HTML•¶□'□ì□-fc□[f<,ì<N“®

,g,s,l,k•¶□'□ì□-fc□[f<,đ<N“®,μ,Ü,·□B

,È,“□A,g,s,l,k•¶□'□ì□-fc□[f<,đŽg—p,·,é,½,ß,É,Í ,g,s,l,k•¶□'□ì□-,ì,½,ß,ì  
,c,k,k□AMmTree.dll ,đ ,l,lfgffBf^95 ,Æ“” ,¶ftfHf<f\_Ö'u,ç,Ä,“ ,•K—  
v,ª ,è,Ü,·□B

**MmTree.dll** ,í□A ,l,lfgffBf^95 ,ì [,g,s,l,k•¶□'□ì□-fc□[f<fLfbfg]  
,Æ,μ,Ä•Ê“r'ñ<Ÿ,μ,Ä,ç,é,à,ì,Å,·□B

□@□E,g,s,l,k•¶□'□ì□-—p,ìf^fO'I'đ,·,éGfNfXfvf□□[f%•—,ìfcfŠ□[frf...  
□[,ìfEfCf“fhfE,Å,·□B

□@□EHTML3.2 fÆfxf<,ìf^fO,ª^ç□-,Å,«,Ü,·□B

□@□EfcfŠ□[frf...□[,æ,è,g,s,l,kf^fO,đ'I'đ,μ,Ä[RET],©f\_fuf<fNfŠfbfN,đ,“ ,±,È,α  
,±,Æ,Å□Afj□[f<^Ê'u,©□A'I'đ"Í^ÍŽw'è,³,ê,½•¶Žš—ñ,ì—¼'α  
,Ö,g,s,l,kf^fO,đŠÈ'P,É-,,ß□ž,Ÿ,Ü,·□B

□@□E,â,è'¼,μ,Íf□fj...□[,ì[•Ò□W],ì->[,â,è'¼,μ],Å□s,ç,Ü,·□B

□@□EfefLfXfg,ì□FŽw'èf^fO,Å,í□Ff\_fCfAf□fO,Å□F'I'đ,Å,«,Ü,·□B

□@□E,» ,ì'¼,Å□AHTMLft□[fU□[ 'è<`f^fO ,ì□Ÿ'è ft□[fU□[ 'è<` ,ìf^fO,đ□Ÿ'èŽg—  
p,Å,«,Ü,·□B



@'ı̇•ŕš•iš•fc [f<

[@'ı̇•ŕš•iš•fc [f<, É, Í [A'ı̇"ı̇"ı̇"à, İfēfLfXfg, ð%oÁ [H, ·, é^È  
 %o, İ, Q, OĈĀ, İ'ı̇fc [f<, əfTfuf [ffj... [L, Ā, μ, Ā, , è, Ü, · [B  
 [ @, ±, ê, ç, İ • ŕš • İš • fc [ f <, İ • ŕš • P^Ê < y, Ń [ s' P^Ê, İ'ı̇f, [ fh, Ā Ž g—  
 p, Ā, «, Ü, · (<éĈ `P^Ê, İ • s%oĀ) [B  
 [ @f } fE f X, Ā, İ "ı̇"ı̇"ı̇, İ • ŕš • P^Ê, İf, [ fh, Ā Ž À [ s, ³, ê, Ü, ·, a [ A [ s' P^Ê, İ "ı̇"ı̇"ı̇, ð, μ, ½, ç [ ê  
 [ †, İ [ Af } fE f X, Ā, İ'ı̇ Ž À [ s' t ( [ ŕf } fE f X f { f^f", a%oÿ, ³, ê, Ā, ç, é [ ó ' Ô ), É [ A  
 %oE f } fE f X f { f^f", ð%oÿ, ³, ê, é, Ā [ u Ž Ž, Éf, [ fh, İ [ Ø, è ' Ö, İ, a, Ā, «, Ü, · [ B  
 [ @f, [ fh, İ • ŕš • P^Ê [ A [ s' P^Ê [ A < é Ĉ `P^Ê, İ, Rf, [ fh, a [ † " Ö, É [ Ø, è ' Ö, İ, è, Ü, · [ B  
 [ @f } fE f X, Ā, İ "ı̇"ı̇"ı̇, aŠ [ —<sup>1</sup>, μ, Ā, ç, é ( [ ŕf } fE f X f { f^f", a — £, ³, ê, Ā, ç  
 , é [ ó ' Ô ) [ ê [ †, İ [ Af L [ f { [ fh, İ [ a%o, İ - î^ó f L [ , Ā [ s' P^Ê, İf, [ fh, Ö [ A [ ŕ%oE, İ -  
 î^ó f L [ , Ā • ŕš • P^Ê, İf, [ fh, Ö • İ [ X, ·, é, ±, Ā, «, Ü, · [ B

[E'á • ŕš <-> [ı̇ • ŕš • İš  
 [ @ " ¼ Šp, İ'á • ŕš, ð [ı̇ • ŕš, Ö [ A " ¼ Šp, İ [ı̇ • ŕš, ð'á • ŕš, Ö • İš, μ, Ü, · [ B  
 [ @, ½, Ā, İ, İ [ AA <-> a  
 [ E [ı̇ • ŕš -> 'á • ŕš • İš  
 [ @ " ¼ Šp, İ [ı̇ • ŕš, ð'á • ŕš, Ö • İš, μ, Ü, · [ B  
 [ @, ½, Ā, İ, İ [ Aa -> A  
 [ E'á • ŕš -> [ı̇ • ŕš • İš  
 [ @ " ¼ Šp, İ'á • ŕš, ð [ı̇ • ŕš, Ö • İš, μ, Ü, · [ B  
 [ @, ½, Ā, İ, İ [ AA -> a  
 [ E, ·, x, Ā, İ'ŠŠp • ŕš, ð " ¼ Šp • ŕš, Ö • İš  
 [ @ " ¼ Šp • ŕš, É • İš, Ā, «, é, ·, x, Ā, İ'ŠŠp • ŕš, ð " ¼ Šp • ŕš, Ö • İš, μ, Ü, · [ B  
 [ E'ŠŠp f f ^ f f i, İ, Ý, ð " ¼ Šp ŕ Ā, Ö • İš  
 [ @ f f ^ f f i, İ'ŠŠp • ŕš, İ, Ý, ð " ¼ Šp ŕ Ā • ŕš, Ö • İš, μ, Ü, · [ B  
 [ E'ŠŠp, Đ, ç, a, È, İ, Ý, ð " ¼ Šp ŕ Ā, Ö • İš  
 [ @, Đ, ç, a, È, İ, Ý, ð " ¼ Šp ŕ Ā • ŕš, Ö • İš, μ, Ü, · [ B  
 [ E'ŠŠp [ " Žš, İ, Ý, ð " ¼ Šp [ " Žš, Ö • İš  
 [ @ 'ŠŠp [ " Žš, İ, Ý, ð " ¼ Šp [ " Žš, Ö • İš, μ, Ü, · [ B  
 [ E, Đ, ç, a, È [ Af f f ^ f f i, İ, Ý'ŠŠp -> " ¼ Šp • İš  
 [ @, Đ, ç, a, È [ Af f f ^ f f i, İ'ŠŠp • ŕš, İ, Ý, ð " ¼ Šp ŕ Ā • ŕš, Ö • İš, μ, Ü, · [ B  
 [ E, Đ, ç, a, È [ Af f f ^ f f i, ð [ œ, ç, Ā'ŠŠp -> " ¼ Šp • İš  
 [ @ " ¼ Šp • ŕš, É • İš, Ā, «, é'ŠŠp • ŕš, İ, x, İ [ A, Đ, ç, a, È [ Af f f ^ f f i, ð [ œ, ç  
 , ½ 'ŠŠp • ŕš, ð " ¼ Šp • ŕš, Ö • İš, μ, Ü, · [ B

```
□E, , x, Ä, Ì"¼Šp□A'SŠp•¶Žš, ð'SŠp(, Đ, ç, ã, È), Ö•İŠ·
□@, , x, Ä, Ì"¼Šp•¶Žš, ð'SŠp•¶Žš, Ö'SŠpffj^ffji•¶Žš, ð'SŠp, Đ, ç, ã, È•¶Žš, Ö•İŠ·, μ, Ü
, ·□B
□E"¼Šp¶Å, Ì, Ý, ð'SŠp, Đ, ç, ã, È, Ö•İŠ·
□@"¼Šp¶Å•¶Žš, Ì, Ý, ð'SŠp, Đ, ç, ã, È•¶Žš, Ö•İŠ·, μ, Ü, ·□B
□E'SŠpffj^ffji, Ì, Ý, ð'SŠp, Đ, ç, ã, È, Ö•İŠ·
□@'SŠpffj^ffji•¶Žš, Ì, Ý, ð'SŠp, Đ, ç, ã, È•¶Žš, Ö•İŠ·, μ, Ü, ·□B
□E, , x, Ä, Ì"¼Šp•¶Žš, ð'SŠp•¶Žš, Ö•İŠ·
□@, , x, Ä, Ì"¼Šp•¶Žš, ð'SŠp•¶Žš, Ö•İŠ·, μ, Ü, ·□B
□E, , x, Ä, Ì"¼Šp□A'SŠp•¶Žš, ð'SŠp(ffj^ffji), Ö•İŠ·
□@, , x, Ä, Ì"¼Šp•¶Žš, ð'SŠp•¶Žš, Ö'SŠp, Đ, ç, ã, È•¶Žš, ð'SŠpffj^ffji•¶Žš, Ö•İŠ·, μ, Ü
, ·□B
□E"¼Šp¶Å, Ì, Ý, ð'SŠpffj^ffji, Ö•İŠ·
□@"¼Šp¶Å•¶Žš, Ì, Ý, ð'SŠpffj^ffji•¶Žš, Ö•İŠ·, μ, Ü, ·□B
□E'SŠp, Đ, ç, ã, È, Ì, Ý, ð'SŠpffj^ffji, Ö•İŠ·
□@'SŠp, Đ, ç, ã, È•¶Žš, Ì, Ý, ð'SŠpffj^ffji•¶Žš, Ö•İŠ·, μ, Ü, ·□B
□ETAB -> <ó""•İŠ·
□@TAB, ð<ó""•¶Žš, Ö•İŠ·, μ, Ü, ·□B
□E<ó"" -> TAB•İŠ·
□@<ó""•¶Žš, ðTAB, Ö•İŠ·, μ, Ü, ·□B
□Efcf"fff"fg
□@Žw'è"ÍÍ, Ì□s"ã, ÖTAB, ð"ü, ê, ÄŽw'è"ÍÍ, ð, P'i—Ž‰E, Ö^Ú" ®, μ, Ü, ·□B
□E<tfCf"fff"fg
□@Žw'è"ÍÍ, Ì□s"ã, ÌTAB, ðí□æ, μ, ÄŽw'è"ÍÍ, ð, P'i—Ž□¶, Ö^Ú" ®, μ, Ü, ·□B

^È‰, Í, g, s, l, k•¶□', ðí□¬, , éŽž, ÉŽg—p, , é•İŠ·fc□[f<, Å, ·□B
□EHTML: %ü□s -> <P> •İŠ·
□@Žw'è"ÍÍ"à, Ì‰□s, Ì'O, Ö <P> , ð'}"ü, μ, Ü, ·□B
□@‰□sŽ©'Ì, Ìí□æ, μ, Ü, ¹, ñ□B
□EHTML: %ü□s -> <BR> •İŠ·
□@Žw'è"ÍÍ"à, Ì‰□s, Ì'O, Ö <BR> , ð'}"ü, μ, Ü, ·□B
□@‰□sŽ©'Ì, Ìí□æ, μ, Ü, ¹, ñ□B

^È‰, Í□AWindows/Dos ,Æ Unix , ÌfefLfXfg, ð'SĀÉŸ•İŠ·, , éŽž, ÉŽg—
p, , é•İŠ·fc□[f<, Å, ·□B

Windows/Dos , Å, Í□A‰□sfR□[fh, Í CR(16í□", Å0DH)□ALF(16í□", Å0AH)
```

,ì,Q•¶Žš,Å,·,ªAUnix ,Å,Í %ü¶sfR¶[fh,Í LF(16¶i¶",Å0AH),ì,Ý,ì,P•¶Žš,Å,·¶B  
•¶'i,Í,±,ì<@"\,đŽg,¤,±,Æ,Í,È,¢,ÆŽv,¢,Ü,·,ªAUnixĚ`Ž® ,ìfvf¶fOf%of€f\  
¶[fXfŠfXfg,đWindows/DosĚ`Ž® ,É•İŠ·,·,é(,Ü,½,Í,» ,ì<t)Žž,È,Ç,ÉŽg—p,Å,«,Ü,·¶B

¶E%ü¶sfR¶[fh•İŠ·(Unix->Win) LF -> CR.LF  
UnixĚ`Ž® ,ì%ü¶sfR¶[fh(LF),đWindows/DosĚ`Ž® ,ì%ü¶sfR¶[fh(CR.LF)  
,Ö•İŠ·,µ,Ü,·¶B  
¶E%ü¶sfR¶[fh•İŠ·(Win->Unix) CR.LF -> LF  
Windows/DosĚ`Ž® ,ì%ü¶sfR¶[fh(CR.LF),đUnixĚ`Ž® ,ì%ü¶sfR¶[fh(LF)  
,Ö•İŠ·,µ,Ü,·¶B



[@,l,lfwf<fv](#)

,l,lfGfffBf^95 ,lfwf<fv,Å,·□B



@fwf<fv,iŽg,ç•û

,l," ,v,%o,Ž,,,□,—,"fwf<fv,iŽg,ç•û,i□à<sup>-3/4</sup>,Å,·□B





@,l,l,lfz[f€fy[fW,ö

fvf%ofEfU,ª<N“® ,Å,« ,éó‘Ô,Å, ,ê,  
î<N“® ,µ,ÄA,l,l,lfz[f€fy[fW,Öšf“fN,µ,Ü,·B



☐@,l,lfgffBf^95 ,É,Â,ç,Ä

,l,lfgffBf^95 ,É,Â,ç,Ä,ìà<sup>-3/4</sup>,Å,·☐B



“jŠü,μ,ÄÄ,ÑŠJ,

«»Ý•ÒW't,lfefLfxfg,đ”jŠü,μ,Ä“ ,¶lfefLfxfg,đÄ,ÑŠJ,«,Ü,·B  
fefLfxfg,<sup>a</sup>•ĭX,<sup>3</sup>,è,Ä,ç,éêê‡,É,íA”jŠü,μ,Ä,æ,ç,©,đ••,«,Ü,·B

□@fL□[fRf}f“fh^ê—

□@fL□[fRf}f“fh^ê—,É,Â,ç,Ä

□@ftf@fCf<CEnfRf}f“fh

□@•Ò□WEnfRf}f“fh

□@ĚŸ□öCEnfRf}f“fh

□@fJ□[f<CEnfRf}f“fh

□@f%ofCf“fGfffBfbfgCEnfRf}f“fh

□@fEfCf“fhfECEnfRf}f“fh

□@f}fNf□CEnfRf}f“fh

□@,»,ì<sup>1</sup>/<sub>4</sub>,lfRf}f“fh

Ⓜ@fLⓂ[fRf}f“fh^ê——,É,Â,ç,Ä

,l,lfgffBf^95 ,É,íLⓂ[f{Ⓜ[fh,Å‘€Ⓜ,Å,«,éRf}f“fh,ª,P,V,VCEÂ, ,è,Ü,·ⓂB

fRf}f“fh`ìCEn,í<@”\,²,Æ,É,W’g,É,í,©,ê,Ä,ç,ÄÝ’è,íⓂmfLⓂ[fRf}f“fhÝ’èⓂn fⓂfjf...  
Ⓜ[.Å,¨,±,È,ç,Ü,·ⓂB

[@ftf@fCf<CenfRf}f“fh](#)

^È%º,ìfL[fRf}f“fh,à, ,è,Ü,·B[‘[,ì”Žš,íRf}f“fh,m,[]D,Â,·B

,O,O@@@V,μ,ì—

,O,P@@Š,

,O,Q@@"jŠü,μ,ÄÄ,ÑŠ,

,O,R@@ã‘,«•Û‘

,O,S@@-¼‘O,đ•t,~,Ä•Û‘

,O,T@@‘S,Ä,đ•Û‘

,O,U@@^óüY’è

,O,V@@ftf@fCf<,đ•Â,‘,é

,O,W@@‘S,Ä,ìftf@fCf<,đ•Â,‘,é

,O,X@@f[f<^Ê‘u,Ö,ì“Ç,Ýž,Ý

,P,O@@,l,l,ì—<sup>1</sup>

Ⓜ@•ÒⓂWĈenfRf}f“fh

^È%ºº,ìfLⓂ[fRf}f“fh,ª, ,è,Û,·ⓂBⓂ¶'[,ìⓂ”Žš,íRf}f“fh,m,ⓂⓂD,Â,·ⓂB

,P,PⓂ@Ⓜ@,â,è'¼,µ

,P,QⓂ@Ⓜ@,â,è'¼,µ,ì,â,è'¼,µ

,P,RⓂ@Ⓜ@fNfŠfbfvf{Ⓜ[fh ⓂØ,èŽæ,è

,P,SⓂ@Ⓜ@fNfŠfbfvf{Ⓜ[fh fRfsⓂ[

,P,TⓂ@Ⓜ@fNfŠfbfvf{Ⓜ[fh “\,è•t,¯

,P,UⓂ@Ⓜ@Žw'è"í'í,ìííœ

## ☐@Ĉÿ☐öĈnfRf}f“fh

^È%º,ìfL☐[fRf}f“fh,<sup>a</sup>, ,è,Ü,·☐B☐¶'[ ,ì”Žš,íRf}f“fh,m,☐☐D,Å,·☐B

- ,P,V☐@☐@Ĉÿ☐ö
- ,P,W☐@☐@ŽŸ(☐«),đĈÿ☐ö
- ,P,X☐@☐@‘O(☐<sup>a</sup>),đĈÿ☐ö
- ,Q,O☐@☐@‘uŠ·
- ,Q,P☐@☐@fefLfXfg,ì☐æ“<sup>a</sup>,Ö
- ,Q,Q☐@☐@fefLfXfg,ìŽw’è☐s,Ö
- ,Q,R☐@☐@fefLfXfg,ì☐ÅĈã,Ö
- ,Q,S☐@☐@fj☐[f<^Ê‘uf}☐[fN
- ,Q,T☐@☐@f}☐[fN^Ê‘u^ê—,ÆfWfff“fv
- ,Q,T☐@☐@‘¼‘O,ìfj☐[f<^Ê‘u,Ö
- ,Q,V☐@☐@‘î%ž,·,é()☐[<>,Ö
- ,Q,W☐@☐@f^fOfWfff“fv
- ,Q,X☐@☐@ftf@fCf<,ì”äŠr
- ,R,O☐@☐@,f,q,d,o,ìŽÅ☐s



## @fj[f<CenfRf}f“fh

^È%º,ìfL[fRf}f“fh,ª, ,è,Ü,·B¶‘[,ì”Žš,íRf}f“fh,m,¶¶D,Å,·B

- ,R,P@@fj[f<^Ú“®i¶j
- ,R,Q@@fj[f<^Ú“®i¶«j
- ,R,R@@fj[f<^Ú“®i¶©j
- ,R,S@@fj[f<^Ú“®i¶j
- ,R,T@@,PĈê¶,Ö
- ,R,U@@,PĈê%ºE,Ö
- ,R,V@@·\Ž!¶s“ª,Ö
- ,R,W@@·\Ž!¶s--,Ö
- ,R,X@@~—¶s“ª,Ö
- ,S,O@@~—¶s--,Ö
- ,S,P@@fXfNf¶[f<fAfbfv
- ,S,Q@@fXfNf¶[f<f\_fEf“
- ,S,R@@fy¶[fWfAfbfv
- ,S,S@@fy¶[fWf\_fEf“
- ,S,T@@%ºæ-Ê,ìǎ‘L,Ö
- ,S,U@@%ºæ-Ê,ì%ºº‘L,Ö
- ,S,V@@fuf¶bfN,ìæ“ª^¶ÅĈă,Ö

## Ⓜ@f%ofCf“fGffBfbfgCEnfRf}f“fh

^È%oº,ìfLⓂ[fRf}f“fh,ª, ,è,Ü,·ⓂBⓂ¶[',ìⓂ"Žš,íRf}f“fh,m,ⓂⓂD,Å,·ⓂB

- ,S,WⓂ@Ⓜ@' }“üf,Ⓜ[fh
- ,S,XⓂ@Ⓜ@fŠf^Ⓜ[f“fLⓂ[
- ,T,OⓂ@Ⓜ@,a,rflⓂ[
- ,T,PⓂ@Ⓜ@,c,d,kflⓂ[
- ,T,QⓂ@Ⓜ@CÊ,ìⓂæ“ª,Ü,ÅⓂíⓂœ
- ,T,RⓂ@Ⓜ@CÊ,ìⓂl,í,è,Ü,ÅⓂíⓂœ
- ,T,SⓂ@Ⓜ@,PⓂsⓂíⓂœ
- ,T,TⓂ@Ⓜ@Ⓜs“ª,Ü,ÅⓂíⓂœ
- ,T,UⓂ@Ⓜ@Ⓜs-- ,Ü,ÅⓂíⓂœ
- ,T,VⓂ@Ⓜ@,PⓂs' }“ü
- ,T,WⓂ@Ⓜ@ⓂíⓂœ•¶Žš,ì•œŠ^
- ,T,XⓂ@Ⓜ@ⓂíⓂœⓂs,ì•œŠ^
- ,U,OⓂ@Ⓜ@f^fu
- ,U,PⓂ@Ⓜ@,PCEê'å•¶ŽšⓂ^Ⓜ→•¶Žš•İŠ·
- ,U,QⓂ@Ⓜ@'l'ðf,Ⓜ[fh
- ,U,RⓂ@Ⓜ@<éC`'l'ðf,Ⓜ[fh
- ,U,SⓂ@Ⓜ@fufⓂfbfNⓂØ,èŽæ,è
- ,U,TⓂ@Ⓜ@fufⓂfbfNfRfsⓂ[
- ,U,UⓂ@Ⓜ@fufⓂfbfN“\,è•t,¯
- ,U,VⓂ@Ⓜ@fufⓂfbfN' }“ü
- ,U,WⓂ@Ⓜ@fufⓂfbfNfXf^fbfN "C^Ó,ìfefLfXfgfRfsⓂ[
- ,U,XⓂ@Ⓜ@fufⓂfbfNfXf^fbfN\_fefLfXfgⓂÁ<Ž
- ,V,OⓂ@Ⓜ@CËÿⓂö•¶Žš—ñ,ìŽæ“¾
- ,V,PⓂ@Ⓜ@,·,x,Ä,ð'l'ð

## @fEfCf“fhfEĊnfRf}f“fh

^È%oo,ìfL[fRf}f“fh,a, ,è,Ü,·B□¶'[,ì”Žš,íRf}f“fh,m,□□D,Å,·□B

- ,V,Q□@□@f^fe'·f^fCf<•\Ž!
- ,V,R□@□@f^fR'·f^fCf<•\Ž!
- ,V,S□@□@fjXfP□[fh•\Ž!
- ,V,T□@□@fAfCfRf“□Ä”z'u
- ,V,U□@□@fEfCf“fhfE,ì∅'Ö,ì
- ,V,V□@□@ŽŸ,ìfEfCf“fhfE,Ö
- ,V,W□@□@fefLfXfg,ì“ñ□d%oo»
- ,V,X□@□@fEfCf“fhfE,ì“~ŽžXfNf□□[f<

## {}fNf{}enfRf}f“fh

^È%º,ìfL[]fRf}f“fh,ª, ,è,Ü,·B[]‘[,ì”Žš,ìfRf}f“fh,m,[]D,Å,·B

- ,W,O[]@[]@fL[]f{[]fhf}fNf[],ì<L~^ŠJŽn[]A[]—<sup>1</sup>
- ,W,P[]@[]@fL[]f{[]fhf}fNf[],ìŽÀ[]s
- ,W,Q[]@[]@fL[]f{[]fhf}fNf[],ì•Û‘¶
- ,W,R[]@[]@fL[]f{[]fhf}fNf[],ì“Ç,Ý[]ž.Ý
- ,W,S[]@[]@f}fNf[],ì“o~^
- ,W,T[]@[]@“o~^,µ,½f}fNf[],ìŽÀ[]s
- ,W,U[]@[]@f}fNf[],ìŽÀ[]s
- ,W,V[]@[]@f}fNf[],ìffofbfO
- ,W,W[]@[]@f}fNf[],O,P,ìŽÀ[]s[]@[]@<éÇ`fuf[]fbfN,ì[]Ø,èŽæ,è[]@,ÉÇÅ’è
- ,W,X[]@[]@f}fNf[],O,Q,ìŽÀ[]s[]@[]@<éÇ`fuf[]fbfN,ìfRfs[]@[]@<éÇÅ’è
- ,X,O[]@[]@f}fNf[],O,R,ìŽÀ[]s[]@[]@<éÇ`fuf[]fbfN,ì’}“ü[]@[]@<éÇÅ’è
- ,X,P[]@[]@f}fNf[],O,S,ìŽÀ[]s[]@[]@ft[]fU[][’è<`f}fNf[]i,O,S[],R,O,Ü,Å[]j
- ,X,Q[]@[]@f}fNf[],O,T,ìŽÀ[]s
- ,X,R[]@[]@f}fNf[],O,U,ìŽÀ[]s
- ,X,S[]@[]@f}fNf[],O,V,ìŽÀ[]s
- ,X,T[]@[]@f}fNf[],O,W,ìŽÀ[]s
- ,X,U[]@[]@f}fNf[],O,X,ìŽÀ[]s
- ,X,V[]@[]@f}fNf[],P,O,ìŽÀ[]s
- ,X,W[]@[]@f}fNf[],P,P,ìŽÀ[]s
- ,X,X[]@[]@f}fNf[],P,Q,ìŽÀ[]s
- ,P,O,O[]@f}fNf[],P,R,ìŽÀ[]s
- ,P,O,P[]@f}fNf[],P,S,ìŽÀ[]s
- ,P,O,Q[]@f}fNf[],P,T,ìŽÀ[]s
- ,P,O,R[]@f}fNf[],P,U,ìŽÀ[]s
- ,P,O,S[]@f}fNf[],P,V,ìŽÀ[]s
- ,P,O,T[]@f}fNf[],P,W,ìŽÀ[]s
- ,P,O,U[]@f}fNf[],P,X,ìŽÀ[]s
- ,P,O,V[]@f}fNf[],Q,O,ìŽÀ[]s
- ,P,O,W[]@f}fNf[],Q,P,ìŽÀ[]s
- ,P,O,X[]@f}fNf[],Q,Q,ìŽÀ[]s
- ,P,P,O[]@f}fNf[],Q,R,ìŽÀ[]s
- ,P,P,P[]@f}fNf[],Q,S,ìŽÀ[]s

,P,P,Q@f}fNf,Q,T,ìŽÀs  
,P,P,R@f}fNf,Q,U,ìŽÀs  
,P,P,S@f}fNf,Q,V,ìŽÀs  
,P,P,T@f}fNf,Q,W,ìŽÀs  
,P,P,U@f}fNf,Q,X,ìŽÀs  
,P,P,V@f}fNf,R,O,ìŽÀs

## @,»,ì¼,lfRf}f“fh

^È%º,lfL[fRf}f“fh,<sup>a</sup>,è,Ü,·Bq‘[,ì”Žš,lfRf}f“fh,m,DD,Â,·B

,P,P,W@fL[fRf}f“fhÝ’è  
,P,P,X@fL[fRf}f“fh%{—  
,P,Q,O@,h,l,d,ì’PCEê/—p—á“o~^  
,P,Q,P@•ŽìÝ’è,ì’Ž®•ìX  
,P,Q,Q@•Žì Ý’è  
,P,Q,R@ŠÂ« Ý’è  
,P,Q,S@šCEäfR[fh,ì“ü—í  
,P,Q,T@Erü~g,ììì  
,P,Q,U@Erüf,ìfh,ìON.OFF  
,P,Q,V@Erü,đ¼ü,ÅON.OFF  
,P,Q,W@,l,lfwf<fv  
,P,Q,X@fwf<fv,ìŽg,ç•û  
,P,R,O@,l,lfgffBf^95,É,Â,ç,Ä  
,P,R,P@’Zk“ü—í,O,P,ìŽÀs  
,P,R,Q@’Zk“ü—í,O,Q,ìŽÀs  
,P,R,R@’Zk“ü—í,O,R,ìŽÀs  
,P,R,S@’Zk“ü—í,O,S,ìŽÀs  
,P,R,T@’Zk“ü—í,O,T,ìŽÀs  
,P,R,U@’Zk“ü—í,O,U,ìŽÀs  
,P,R,V@’Zk“ü—í,O,V,ìŽÀs  
,P,R,W@’Zk“ü—í,O,W,ìŽÀs  
,P,R,X@’Zk“ü—í,O,X,ìŽÀs  
,P,S,O@’Zk“ü—í,P,O,ìŽÀs  
,P,S,P@’å•qŽš <-> ñ•qŽš•iš,ìŽÀs  
,P,S,Q@ñ•qŽš -> ’å•qŽš•iš,ìŽÀs  
,P,S,R@’å•qŽš -> ñ•qŽš•iš,ìŽÀs  
,P,S,S@’SŠp -> ”¼Šp•iš,ìŽÀs  
,P,S,T@’SŠp[i,Đ,ç,<sup>a</sup>Èj,Ö•iš,ìŽÀs  
,P,S,U@’SŠpifjfi^fjfi,Ö•iš,ìŽÀs  
,P,S,V@TAB -> <ó”•iš,ìŽÀs  
,P,S,W@<ó” -> TAB•iš,ìŽÀs  
,P,S,X@fCf“fff“fg,ìŽÀs

,P,T,O@<tfCf“fff“fg ,ižÀs  
,P,T,P@^óüfvfCEfrf...  
,P,T,Q@^óü  
,P,T,R@cE%o;í',«f,[fh,ì•ïX  
,P,T,S@%op“úuŽž-|-ó,ìON.OFF  
,P,T,T@HTML•¶íì→fc[f<,ì<N“®  
,P,T,U@'l'ð•¶Žš•İŠ·fc[f<  
,P,T,V@fXfyf<f`fFbfN  
,P,T,W@fNfŠfbvf{[fh ^ø—p•,,•t,«fRfs[  
,P,T,X@fuf[bfNfXf^fbfN ^ø—p•,,•t,«fRfs[  
,P,U,O@•¶íì®CE`fc[f<  
,P,U,P@fofbfNf^fOfWfff“fv  
,P,U,Q@,l,l,ìz[f€fy[fW,Ö  
,P,U,R@HTML•¶í',ðfuf%ofEfU,Å•\Ž!  
,P,U,S@CE©o,μ^ê—,ÆfWfff“fv  
,P,U,T@fŠfAf<f^fCf€®CE`,ìON.OFF  
,P,U,U@fŠfAf<f^fCf€®CE`,í%óðð',«,Ås,π  
,P,U,V@¶Šň,<sup>1</sup>  
,P,U,W@fZf“f^fŠf“fO  
,P,U,X@%EŠň,<sup>1</sup>  
,P,V,O@Ceü•ÛCeif,[fh,ìON.OFF  
,P,V,P@•j“ftf@fCf< ^êšž'uŠ·,ìžÀs  
,P,V,Q@'Zk“ü—ífc[f<,ì<N“®  
,P,V,R@f}fNf[f%of“f`ff[.ì<N“®  
,P,V,S@fŠfAf<f^fCf€CEÿö  
,P,V,T@ŽŸ(«),ìf}[fN^Ê'u,ðCEÿö  
,P,V,U@'O(«),ìf}[fN^Ê'u,ðCEÿö

@,l,lf}fNf

@,l,lf}fNf,É,Â,ç,Ä

@E¾Eê'ìEn

@fvfOf%of~f“fO,ì'^Ó“

@fVfXfef€•ï”

@fVfXfef€ŠÖ”

@fRf}f“fhfL[,ìŽÀs

@%¼'zfl[fR[fh^ê—

@fGf%o[f]fbfZ[fW



## Ⓜ@'l'đf, Ⓜ[fh, É, Å, ç, Ä

'l'đf, Ⓜ[fh ,É, íⓂA•ŕŽš'P^ÊⓂAⓂs'P^ÊⓂA<éCE`'P^Ê ,ì,Rf, Ⓜ[fh ,<sup>a</sup>, ,è,Ü, ·ⓂB

f}fEfX<y, ÑfLⓂ[f{Ⓜ[fh, Å, ì'l'đ†, Éf}fEfX, ì%oEf{f^f", đfNfŠfbfN, ·, é, ÅⓂA'l'đf, Ⓜ[fh, đ  
ⓂuŽž ,ÉⓂØ, è'Ö, í, é, ±, Å, <sup>a</sup>, Å, «, Ü, ·ⓂB  
, Ü, ½f}fEfX, Å'l'đ†'í'Íšm'èCEãⓂif}fEfX, ìⓂf{f^f", đ—£, ·ⓂⓂA, »; ì, , Å^ø, «' ±  
, «fLⓂ[f{Ⓜ[fh, Å, ì'l'đ, <sup>a</sup>, Å, «, Ü, ·ⓂB

fLⓂ[f{Ⓜ[fh, Å•ŕŽš'P^Ê, ì'l'đ†, ÉⓂã%o•ûCEü, ì'Ú"®<sup>a</sup>, , é, ÅⓂCŽ©"®"l,  
ÉⓂs'P^Ê, ì'l'đf, Ⓜ[fh ,ÉⓂØ, è'Ö, í, è, Ü, ·ⓂB  
, Ü, ½fLⓂ[f{Ⓜ[fh, ÅⓂs'P^Ê, ì'l'đ†, ÉⓂŕ%oE•ûCEü, ì'Ú"®<sup>a</sup>, , é, ÅⓂCŽ©"®"l,  
É•ŕŽš'P^Ê, ì'l'đf, Ⓜ[fh ,ÉⓂØ, è'Ö, í, è, Ü, ·ⓂB  
, È, è, é, Å^ÈŠO, Å•Ö—~ , È<@"\, Å, , éž-, <sup>a</sup>, í, ©, é, Åžv, ç, Ü, ·ⓂB

<éCE`f, Ⓜ[fh , í, u, šfGffBf^, Å"~, ŕ•û-@, ÅžÀ'•, <sup>3</sup>, è"~, ŕ"®Ⓜì, đ, µ, Ü, ·ⓂB  
ŠK'w ,É, È, Å, ½fXf^fbfNfufⓂfbfN, ìⓂ'ç, đ—~—p, µ, Å, ç, Ü, ·ⓂB  
, ·, È, í, ÿⓂAⓂ<éCE`fufⓂfbfN, ìⓂØ, èžæ, èⓂn, Ü, ½, íⓂAⓂ<éCE`fufⓂfbfN, ìfRfsⓂ[Ⓜn, ÅfXf^f  
bfNfufⓂfbfN, Ö'l'đⓂs•<sup>a</sup><éCE`•Ⓜ, ìffⓂ[f^, đfRfsⓂ[Ⓜ, µⓂAⓂ<éCE`fufⓂfbfN, ì'}`üⓂn, ÅfRfsⓂ[  
, µ, ½<éCE`•Ⓜ, ìffⓂ[f^, đfRfsⓂ[Ⓜ, µ, ½ⓂsⓂ"‰ñžæ, èⓂo, µ"\, è•t, ~, Å, ç, «, Ü, ·ⓂB  
ⓂAⓂ<éCE`fufⓂfbfN, ì'}`üⓂn, đⓂs--^ÈⓂ~ , ÅžÀž{ , µ, ½ⓂêⓂ‡, íⓂAⓂs--  
, ì'Z, ç•"•<sup>a</sup>, ÖⓂA"¼šp, ìfXfyⓂ[fXⓂAf^fu, đ•â, ç, Ü, ·ⓂB

f^fu, đžg, ç, ½, , È, çⓂêⓂ‡ⓂifXfyⓂ[fX, ì, Ý, đžg, xⓂj, íⓂAf}fNfⓂfvfⓂOf  
‰of€**blokins.mac**Ⓜi<éCE`fufⓂfbfN, ì'}`üⓂj, ì , Q, QⓂs-Ú **PutSpace()**, đ•ïⓂX, µ, Å, -  
, <sup>3</sup>/<sub>4</sub>, <sup>3</sup>, çⓂB  
CE»Ýžg—p, µ, Å, ç, é, Ü, x, đfRfⓂ[f"fg, É, µ, ÅⓂAfRfⓂ[f"fg, É, È, Å, Å, ç, é, Ü, x  
, đfRfⓂ[f"fg, đ, í, , µ, Åžg—p, µ, Å, <sup>3</sup>/<sub>4</sub>, <sup>3</sup>, çⓂB  
**PutSpace(xx, 0);**Ⓜ@// xx fjⓂ[f^<^É'u, Ü, Å, đ f^fufXfyⓂ[fX , Å—, , ß, é  
**PutSpace(xx, 1);**Ⓜ@// f^fu, đžg, í, , fXfyⓂ[fX, ì, Ý , È, ç, ±, ÿ, ç, đžg, x

, ±, è, É, æ, èŠ®'S, È<éCE`fufⓂfbfN, ì"\, è•t, ~, <sup>a</sup>, ~, ±, È, ì, Ü, ·ⓂB

ⓂAⓂ<éCE`fufⓂfbfN, ì'}`üⓂn, ÅfRfsⓂ[Ⓜ, ½fXf^fbfNfufⓂfbfN, ìffⓂ[f^, ìž , í, è, Ü, ·ⓂB  
ⓂmfufⓂfbfN, ì"\, è•t, ~Ⓜn, Å, íⓂÅCEé"ö, ìfXf^fbfNfufⓂfbfN, ìffⓂ[f^, đ"\  
, è•t, ~, é, <sup>3</sup>/<sub>4</sub>, ~, Å, ·, ©, ç, x, Ü, "®Ⓜì, µ, Ü, <sup>1</sup>, ñⓂB

,Ü,½,Qs ^Èã,ÉÜ,ê<È,ª,Á,½s,Í<éCE`'l'ðf,[]fh,Å,í,æ,Ü,“®ì,µ,Ü,¹,ñB

## □@fuf□fbfNfXf^fbfN,É,Â,ç,Ä

fuf□fbfNfXf^fbfN,Æ,í fXf^fbfNCE`Ž® ,iž©'O,lfNfŠfbfvf{□[fh  
,Å, ,è□A•ŮŠÇ□ê□Š,ª-³CEÀ,É, ,éff□[f^ ,ì•ŮŠÇ'qCEÉ,Å,·□B

fNfŠfbfvf{□[fh,ÉŽ—,Ä,ç,Ü,·,ª fNfŠfbfvf{□[fh,æ,è•Ö—~ ,È-Ê,ª,ç,ë,ç,ë, ,è,Ü,·□B  
'¼,lfAfvfŠfP□[fvf#f“fvftfg,Æff□[f^ ,ižó,~“n,µ,ð,·,é□ê□# ,lfNfŠfbfvf{□[fh,ª•K—  
v,Å,·,ª□A,» ,x,Å,È,,l,lfGfffBf^95 “à,ižg—p,Å,lfuf□fbfNfXf^fbfN,ðŽg,x,±  
,Æ,É,æ,èŽŸ,ì,æ,x,È—~“\_ ,ª, ,è,Ü,·,ì,Åfuf□fbfNfXf^fbfN,ð,“Žg,ç%ºº,³,ç□B  
“Á,É ‘â,« ,çfuf□fbfNff□[f^ ,ižó,~“n,µ ,Å,lf□f,fš,ð^³” — ,µ,È,ç  
,Å□,‘¬,É“®□ì,µ,Ü,·,ì,Å'f'R—L—~ ,Å,·□B

## fuf□fbfNfXf^fbfN,ižâ,È“Á'¥

□E•ŮŠÇ,Å,« ,éff□[f^ ,ì'â,« ,³□ACEÂ□” ,É□§CEÀ,ª,È,ç□B  
□E•ŮŠÇff□[f^ ,ì“à—e□ACEÂ□” ,ªŠÈ'P,ÉŠm”F,Å,« ,é□B  
□E”C^Ó,ì^Ê'u,ì•ŮŠÇff□[f^ ,ð□A“à—e,ðŠm”F,µ,È,ª,çŽæ,è□o,·,±,Æ,ª,Å,« ,é□B  
□EfffBfXfN,ðCEø—|,æ,Žg—p,·,é,ì,Å□A'â,« ,çff□[f^ ,ð•ŮŠÇ,µ,Ä,àf□f,fš,ð^³” —  
,µ,È,ç□B

## **ⓓ@ĈŸⓓö,â,f,q,d,o,Ā,ì³<K•\ĈŸ>,É,Ā,ç,Ä**

ⓓŸⓓö,â,f,q,d,o,ìŽÀⓓs,Ā,íÈ%ºº,ìA³<K•\ĈŸ>,Žg—p,Ā,«,Ü,·B  
,QfofCf<sup>g</sup>•ŸšŸiŸŸžŸšŸj,É,à'Ÿ%ž,μ,Ā,ç,Ü,·B

fŸf^•Ÿžš ŸÓ-i

## **ŠpjfbfR**

**[...]** : [ ]“à,ì”C^Ó,ì,P•Ÿžš,Āf}fbf` ,μ,Ü,·  
**ⓓ@ⓓ@ⓓ@ⓓ@—áF[AB\D^]**  
**ⓓ@ⓓ@ⓓ@ⓓ@•Ÿžš"A"ⓓA"B"ⓓA"\ⓓA"|"ⓓA"D"ⓓA"^",ì,ç,,é,©,É“KⓓŸ,μ,Ü,·**  
**ⓓ@ⓓ@ⓓ@ⓓ@[ ]“à,Ā,íŸfŸf^•Ÿžš,à”C^Ó,ì,P•Ÿžš,Ā%žžB,³,é,Ü,·**

## **ŠpjfbfR“àⓓæ“ª,ìjffĈfbfg**

**[^...]** : [ ]“àÈŠO,ì”C^Ó,ì,P•Ÿžš,Āf}fbf` ,μ,Ü,·  
**ⓓ@ⓓ@ⓓ@ⓓ@—áF[^AB\D^]**  
**ⓓ@ⓓ@ⓓ@ⓓ@•Ÿžš"A"ⓓA"B"ⓓA"\ⓓA"|"ⓓA"D"ⓓA"^"ÈŠO,ì”C^Ó,ì•Ÿžš,É“KⓓŸ,μ,Ü,·**  
**ⓓ@ⓓ@ⓓ@ⓓ@[ ]“à,Ā,íŸfŸf^•Ÿžš,à”C^Ó,ì,P•Ÿžš,Ā%žžB,³,é,Ü,·**

## **fncftf“**

- : -¼‘α,ì•Ÿžš,ìŠŌ,ì•Ÿžš,Āf}fbf` ,μ,Ü,·  
**ⓓ@ⓓ@ⓓ@ⓓ@—áF**A-D****  
**ⓓ@ⓓ@ⓓ@ⓓ@AⓓABⓓACⓓAD ,É“KⓓŸ,μ,Ü,·**

## **fA<sup>f</sup>X<sup>f</sup>^fš<sup>f</sup>X<sup>f</sup>n**

\* : '¼‘O,ìŸpf^ⓓ[f“ ,ì,O%ň^Èã,ì,,è•Ō,μ,Āf}fbf` ,μ,Ü,·  
**ⓓ@ⓓ@ⓓ@ⓓ@—áF**A\*BC****  
**ⓓ@ⓓ@ⓓ@ⓓ@BCⓓAABCⓓAAABCⓓAAAABCⓓAAAAABC ,È,Ç,É“KⓓŸ,μ,Ü,·**

## **f<sup>v</sup>f%<sup>o</sup>fX**

+ : '¼‘O,ìŸpf^ⓓ[f“ ,ì,P%ň^Èã,ì,,è•Ō,μ,Āf}fbf` ,μ,Ü,·  
**ⓓ@ⓓ@ⓓ@ⓓ@—áF**A+BC****  
**ⓓ@ⓓ@ⓓ@ⓓ@ABCⓓAAABCⓓAAAABCⓓAAAAABC ,È,Ç,É“KⓓŸ,μ,Ü,·**

## **fNfGfXf`f#f“**

? : '¼‘O,ìŸpf^ⓓ[f“ ,ª, ,Ā,Ā,à,È,,Ā,àf}fbf` ,μ,Ü,·

@@@@—áFA?BC  
@@@@BC ,Ü,½,Í ABC ,É“K‡,μ,Û,·

### fffbfg

^ : s“a,Éf}fbf` ,μ,Û,·  
@@@@—áF^INDEX  
@@@@s“a,ì "INDEX" ,Æ,ç,‡•Źš—ň,É“K‡,μ,Û,·

### fhf<

\$ : s--,Éf}fbf` ,μ,Û,·  
@@@@—áF;\$  
@@@@s--,ì•Źš ";" ,É“K‡,μ,Û,·

### fsfšfjh

. : "C^Ó,ì^ê•Źš,Æf}fbf` ,μ,Û,·  
@@@@—áF.ABC  
@@@@"C^Ó,ì,P•Źš,Æ•Źš—ň "ABC" ,ð‡,í,<sup>1</sup>,½•Źš—ň,É“K‡,μ,Û,·

\ : '¼Æã,ìf^•Źš,ì^Ó-i,ð'Å,ìÁ,μ,Û,·  
@@@@—áFABC\  
@@@@"ABC\" ,É“K‡,μ,Û,·  
@@@@"n ,í“Á•Ê,È•Źš@%oü[s@,ð^Ó-i,μ,Û,·  
@@@@"t ,í“Á•Ê,È•Źš@f^fu@,ð^Ó-i,μ,Û,·

| : '¼'O,©'¼Æã,ì,ç,ì,ç,©,ìf^“ ,Æf}fbf` ,μ,Û,·  
@@@@—áFABC|XYZ  
@@@@"ABC" ,Ü,½,Í "XYZ" ,É“K‡,μ,Û,·

(...) : f^“ ,ðfOf<[fv%o» ,μ,Û,·  
@@@@—áF((ABC)|(XYZ))  
@@@@"ABC" ,Ü,½,Í "XYZ" ,É“K‡,μ,Û,·

## □@fjf, fš □ Af ff Bf Xf N, É, Â, ç, Ä

,l,lfGfffBf^95 ,Ä,í • Ò □ W, Ä, «, é f e f L f X f g, ì ' å, «, ³, É □ § Ç È À, º, , è, Ü, ¹, ñ , º □ A, ±  
, è, Í f f f B f X f N, ð f j f, fš, ì ^ ê • " □ i % ¼ ' z f j f, fš □ j, Æ, µ, Ä Ž g — p, ·, é, ±, Æ, É, æ, è Ž À Ç » , µ, Ä, ç  
, Ü, · □ B  
, µ, ½, º, Á, Ä ' å, «, ç f t f @ f C f <, ð • Ò □ W, ·, é, Æ, «, Í □ A • Ò □ W ' O, É f f f B f X f N, ì < ó, « f G f š f A, º □ [ • º  
, É, , é, ±, Æ, ð š m " F, µ, Ä,, ¾, ¾, ç □ B f f f B f X f N, ì < ó, « f G f š f A, º ' «, è, È, ç, Æ, «, É, Í f f f B f X f N f G f  
% □ [ □ i f e f " f j f % fš □ [ f t f @ f C f < f G f % □ [ □ j, º " □ ¶, µ, Ü, · □ B

fffBfXfNfGf% □ [ □ i f e f " f j f % fš □ [ f t f @ f C f < f G f % □ [ □ j, º " □ ¶, µ, ½, ç • s • K —  
v, È f t f @ f C f <, ð □ i □ œ, µ, Ä f f f B f X f N, ì < ó, « f G f š f A, ð ' å, «, µ, Ä, ©, ç □ i < Æ, ð □ Ä š j , µ, Ä, -  
, ¾, ¾, ç □ B

< i ' i " I, É, í • Ò □ W f e f L f X f g, ì ' □ —  
É □ i f u f □ b f N f X f ^ b f N f f □ [ f ^ □ A f A f " f h f D □ A f š f h f D f f □ [ f ^ š Ü, p □ j, º □ m f f □ [ f ^ f G f š f A, Æ,  
µ, Ä š m • Ü, µ, ½ f □ j, fš — È □ n, ð % o z, |, é, Æ f f f B f X f N, ð f j f, fš, ì ^ ê • " , Æ, µ, Ä Ž g — p, µ, Ü, · □ B  
• Ò □ W ' t, Í, ±, ì — ì ^ æ, ð f e f " f j f % fš □ [ f t f @ f C f < % » , µ, Ä Ž g — p, µ □ A • Ò □ W □ i — ¹ Ž ž  
% □ ð • ú, µ, Ü, · □ B

fffBfXfN, Ö, ì f A f N f Z f X, Í < É — Í, µ, È, ç, æ, x, É □ Ý Ç È v, ³, è, Ä, ç  
, Ü, ·, ì, Å □ A ' ð Ž R, ì f t f @ f C f <, ð " ~ Ž ž, É • Ò □ W, ³, è, Ä, à " ® □ i, º ' x,, È, é, Æ š ' , ¶, é, ±, Æ, Í, È, ç  
, Æ ž v, ç, Ü, · □ B

fffBfXfN, ð Ç ø — |, æ, ^ µ, x, ½, ß, É □ A • Ò □ W f e f L f X f g f t f @ f C f <, ì □ " , É š Ö Ç È W, È, -  
□ i □ — , ·, é f e f " f j f % fš □ [ f t f @ f C f <, ì □ " , Í □ i, É, **P Ç È Ä**, Å, · □ B

f e f " f j f % fš □ [ f t f @ f C f <, í □ m Š Ä « □ Ý ' è □ n f □ j f f ... □ [ , ì □ m f e f L f X f g • Ò □ W f , □ [ f h , P □ n , ì  
□ @ □ @ □ @ □ @ □ @ □ @ □ @ □ @ □ @ □ @ □ @ □ @ □ @ □ @ □ @ □ m f e f " f j f % fš f t f @ f C f <, ð □ i , é f t f H f < f \_  
□ n, Ä ž w ' è, ³, è, Ä, ç, è, Í, » , ±, Ö □ A, ³, è, Ä, È, - , é, Í, l, l f G f f f B f ^ 9 5  
, ì < N " ® f t f H f < f \_ , Ö □ i □ — , µ, Ü, · □ B

□ m Š Ä « □ Ý ' è □ n f □ j f f ... □ [ , ì □ m f e f L f X f g • Ò □ W f , □ [ f h , P □ n , ì  
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□ n, ì š ^ — p

' å — e — È f t f @ f C f <, Ü, ½, Í " ~ Ž ž, É, ½, , ³, ñ, ì f t f @ f C f <, ð • Ò □ W, ³, è, é □ è □ ‡ , Í □ m

ff[]f^fGfŠfA,Æ,μ,ÄŽg—p,·,éf[]f,š—Ê []n,Å,½,,³,ň,lf[]f,š—Ê,đš,,è“-  
,Ä,ç,é,ê,î[]AfffBfXfN,Ö,lf[]f^,l'p"ð,²[]È,-  
,È,è,Ü,·,ì,Å[]Aftf@fCf<,l"Ç,Ý[]ž,Ý,²,æ,è'¬,,È,è,æ,èEy  
%ođ,È•Ò[]W[]ì<Æ,²,Å,«,Ü,·[]B

,Ü,½•Ò[]WfefLfXfg,ì—e—Ê,æ,èšô•²å,«,ß,lf[]f,š—Ê,đš,,è“-,Ä,ê,î[]A,ç,í,ä,é  
,n,mf[]f,š ,Å•Ò[]W[]ì<Æ,²,Å,«,Ü,·[]B  
•Ò[]W,³,è,éfefLfXfg,ì—e—Ê[]Af[]f,šŽÀ'•—Ê[]Af}fVf“,ì[]«"“™,É[]‡,í,¹,Ä^è"Ô,ç  
,ç[]ó'Ô,Éf`f...[]fjff“fO,μ,Ä%o²,³,ç[]B

ŽÀ[]Û,ÉŠm•Û,·,éf[]f,š—  
Ê,î[]AfEfCf“fhfEfY,đšÜ,p'¼,lfAfvfš,²fXf€[]fY,É“®[]ì,·,é,æ,α,É<ó,«f[]f,š—  
Ê,ì,**W,O**[],Ü,Å,Å,·[]B  
ŽÀ[]Û,ÉŠm•Û,μ,½[]i,Å,«,½[]jff[]f,š—Ê,² []mŽÀ[]Û,ÉŠm•Û,μ,½ff[]f,š—Ê[]n,ì—“,Ö  
,jfofCfg(fLf[]fofCfg)'P^Ê ,Å•\Ž!,³,è,Ü,·[]B  
,±,ì—“,²[]X[]V,³,è,é,ì,í,l,l<N“®Žž,ì,Ý,Å,·[]B

,È,“[]A,l,l<N“®Žž,Éf[]f,š,đšm•Û,μ,Ü,·,ì,Å[]A[]m ff[]f^fGfŠfA,Æ,μ,ÄŽg—  
p,·,éf[]f,š—Ê []n,ì[]Ý'è,²—LÆø,Æ,È,é,ì,íŽŸ%oň,ì,l,l<N“®Žž,©,ç,Å,·[]B

## ☐@fXfNf☐☐[f<☐ACEŸ☐ö☐E'uŠ·,İŽÀ☐s'~“x,É,Â,ç,Ä

### ☐EfXfNf☐☐[f<,İŽÀ☐s'~“x,É,Â,ç,Ä

☐@,l,lfGfffBf^95 ,Å,ÍfffBfXfvfCEfCfhf%ofCfo,É,Í^È'¶,μ,È,ç“ÆŽ©,İfAf<fSfŠfyf€ ,Å·\  
Ž!ff☐[f^,ð“]~ ,·,é,±,Æ,É,æ,è☐,~fXfNf☐☐[f<,ðŽÀCE»,μ,Ä,ç,Ü,·☐B

☐@☐Å,à☐,~ÉfXfNf☐☐[f<,³,¹,½,ç☐ê☐±,Í☐A☐m☐ã%ofj☐[fv<fL☐[ ^Ú“® ,ð  
%oÁ'~ ,·,é☐n,ð [ON] ☐m·Ò☐Wf,☐[fh☐n,Ì fXfNf☐☐[f<☐s☐” ,ð ,Q ,É☐Ý'è,μ,Ä  
%oº,³,ç☐B

☐@,±,Ì☐ó'Ô,Å☐ã%oº,İfj☐[fv<fL☐[ ,ð%oŸ,μ'±,~ ,é,Æ' '☐,~ ,ÅfXfNf☐☐[f<,μ,Ü,·☐B

☐@☐s"Ô☐t·\Ž!☐AfL☐[fv☐[fh·\

Ž!☐Aftf@fCf<☐i·ñ☐i'☐☐s☐”☐ACE»'n“\_☐A'☐fofCf☐☐”☐j·\

Ž!“™ ,ð,μ,È,çf,☐[fh,İŽŽ☐A☐Å,à'~ ,·,È,è,Ü,·☐B

## ☐ECEŸ☐ö☐E'uŠ·,İŽÀ☐s'~“x,É,Â,ç,Ä

☐@fGfffBf^ ,É,Æ,Á,ÄCEŸ☐ö☐E'uŠ·,İŽÀ☐s'~“x,Í☐Å,à'ãŽ-,ÈŽ-,¾,ÆŽv,í,ê,Ü,·☐B

☐@,l,lfGfffBf^95 ,Å,Í'ã—e—Êftf@fCf<,É,~ ,ç,Ä,à☐,~ÉCEŸ☐ö☐E'uŠ·☐^—

☐,ª,Å,« ,é,æ,κ,É☐A,R,QfrfbfgfCEfWfXf^ ,l"~Í,ð☐Å'ãCEÀ,É^ø,«☐o,~fAfZf“fuf%  
,Ì,R,Qfrfbfg☐,~—½—β,ð<İŽg,μ,Ä☐ì,ç,ê,Ä,ç,Ü,·☐B☐i☐³<K·\CE»,Æ☐,“x,È , ,ç  
,Ü,çCEŸ☐ö,ð☐æ,ç,Ä☐j

☐@,» ,İCE<%oÉ,P,Ufrfbfg”Å,Ì,l,lfGfffBf^ ,æ,è~ñ,Q” { 'ö“x☐ACEŸ☐ö☐E'uŠ·,Ì☐^—  
☐'~“x,ª☐,~ ,É,È,è,Ü,μ,½☐B

☐@,P,Ufrfbfg”Å,Ì,l,lfGfffBf^ ,Å,³,İ☐A☐”☐çCE☐,Å,Ì^êŠ±'uŠ·,Ì☐^—☐'~“x,Å,Í'~ ,³,Å'è·]  
,Ì, ,é MS/DOS ,Ì,u,šfGfffBf^ ,æ,è,© ,È,è☐i-ñ1.5-

2” {☐j☐,~ ,Å,μ,½,Ì,Å☐A,l,lfGfffBf^95 ,Ì☐^—☐'~“x,ª,ç,© ,É'~ ,ç,© ,~ ,í,© ,è,ç  
,½,¾,~ ,é,ÆŽv,ç,Ü,·☐B

☐@CEŸ☐ö☐E'uŠ·,İŽÀ☐s'~“x,Í☐ACEŸ☐öfIfvfvf±f” ,ð,·,×,Ä [OFF]

,É,μ,½,Æ,« ,É☐Å,à☐,~ ,É“®☐ì,μ,Ü,·☐B

☐@☐,“x,È , ,ç,Ü,çCEŸ☐ö,Å,Í☐A'÷%o¹☐A”¼'÷%o¹,ð☐Ã

%o¹,Æ,μ,Ä,İCEŸ☐ö“™ ·¶Žš,ç,κ,è,Ì, ,ç,Ü,ç

,ÈCEŸ☐ö,ª,Å,« ,Ü,·,ª'Ê☐í,İCEŸ☐ö,É”ä,×,Ä'½☐CEŸ☐öŽžŠÔ,ð—v,μ,Ü,·,Ì,Å☐AŽg—

p,³,ê,È,ç☐ê☐±,ÍCEŸ☐öf\_fCfAf☐fo,İCEŸ☐öðCE☐☐m☐,“x,È , ,ç,Ü,çCEŸ☐ö☐n,Ì☐€

,İf`fFbfN,ð,ð [OFF] ,É,μ,Ä,~ ,ç,Ä%oº,³,ç☐B







# Ⓜ@fjftfefBⓂ[fTⓂ[fu,Æ,ì'ÊⓂM<@"\\

'ÊⓂMfⓂfj...Ⓜ[  
Ⓜ@Ⓜ@,,¥ fjftfefBⓂ[fTⓂ[fu,Ö“d~b,ð,©,~,é  
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Ⓜ@Ⓜ@,,¥ fufCEⓂ[fNⓂMⓂt,ì'—ⓂM  
Ⓜ@Ⓜ@,,¥ fefLfXfgftf@fCf<,ì'—ⓂM  
Ⓜ@Ⓜ@,,¥ fjftfefBⓂ[fTⓂ[fu'ÊⓂMfpf%ofⓂ[f^,ìⓂÝ'è  
Ⓜ@Ⓜ@,,x “ÊⓂM“ⓂⓂì,ìⓂÝ'è

'ÊⓂM<@"\\,ð—~—p,·,é,½,ß,É,íⓂA•Ê“r”z•z,ì ⓂmNiftyⓂê—p'ÊⓂMfRf“fⓂ[flf“fgⓂn  
,ª•K—v,Å,·  
ⓂmNiftyⓂê—p'ÊⓂMfRf“fⓂ[flf“fgⓂn-{ì MmTerm.dll ,ð  
,l,lfgffBf^95,Æ“~ ,¶ftfHf<f\_,Ö'u,ç,Ä[ŠÅ<<ⓂÝ'è]->[“ú-  
{CEè,h,l,d,Æ,c,k,k,ìⓂ§CEä],Å[’ÊⓂM,ì,c,k,k,ðŽg—p,·,é],ð[ON]  
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## Ⓜ@'ÊⓂMŠÂ<<,ìŸ'è

ⓂE'ÊⓂⓂ—<sup>1</sup>ŽžⓂAƒⓂO,đⓂ;“ú,ì“ú•tƒƒ@ƒCƒ<<sup>-1/4</sup>,Å•Ů'ŋ  
Ⓜ@[ON] ,Å, ,è,ì'ÊⓂⓂ—<sup>1</sup>ŽžⓂAƒⓂO,đⓂ;“ú,ì“ú•tƒƒ@ƒCƒ<<sup>-1/4</sup>,Å•Ů'ŋ,μ,Û,·ⓂB  
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Ⓜ@,» ,ì%<sup>o</sup>,ì,k,n,f,ÆCE<sup>3/4</sup>,ƒƒHƒƒ<ƒ\_ ,đŽw'è,·,é,È,‡  
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Ⓜ@'—ⓂM,·,éƒⓂⓂ[ƒ<ⓂA%<sup>o</sup>ì<cŽ<sup>o</sup>"CE<sup>3/4</sup>,đ'u,ƒƒHƒƒ<ƒ\_<sup>-1/4</sup>,đŽw'è,μ,Ä%<sup>o</sup>,<sup>3</sup>,‡ⓂB  
Ⓜ@•K, ,ƒƒ%<sup>o</sup>ƒCƒu<sup>-1/4</sup>,đŠÛ,ƒƒƒƒX,ÅŽw'è,μ,Ä%<sup>o</sup>,<sup>3</sup>,‡ⓂB  
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 ,<sup>3</sup>,ñ—L,é,ÆCEÿⓂđ,É<sup>-3'</sup>È,ÈŽžŠÔ,đ—  
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 CE<sup>3/4</sup>ƒƒLƒXƒg,ì,·,×,Ä'—ⓂM,μ,Û,·,ì,Ä'—ⓂM,·,éƒƒ@ƒCƒ<^ÈŠO,ì'u,©,È,‡,æ,ƒ,É,μ,Ä  
 %<sup>o</sup>,<sup>3</sup>,‡ⓂB  
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Ⓜ@'—ⓂM,·,éƒⓂⓂ[ƒ<ⓂA%<sup>o</sup>ì<cŽ<sup>o</sup>,Å,ì"CE<sup>3/4</sup>ƒƒLƒXƒg,ì•ÒⓂW,ì•È,ìƒƒHƒƒ<ƒ\_ ,Å,<sup>3</sup>,è,Ä,©,‡Ⓜo  
 —^Ⓜã,<sup>a</sup>,Å,<sup>1/2</sup>ƒƒ@ƒCƒ<,đ'—ⓂMƒƒHƒƒ<ƒ\_ ,Ö"ü,è,é,æ,ƒ,É,μ,Ä%<sup>o</sup>,<sup>3</sup>,‡ⓂB,» ,ƒ,·,é,±  
 ,Æ,É,æ,è'—ⓂM,μ,<sup>1/2</sup>ƒƒLƒXƒg,ìⓂT,ì,<sup>a</sup>Žc,èⓂA•ÒⓂW't,ì\*.BAK ,Æ,©,đŠÔ^á,Ä,Ä'—  
 ,éƒ~ƒX,à,È,,È,è,Û,·ⓂB

□@,±,ì'—□MftfHf<f\_,íŽèŽ†,ÅĀ³⁄₄,î"Š"Ÿ,·,é|fXfg,ì,æ,α,È,à,ì,Æ□,|,Ä,à,ç,α,Æ,ç,ç  
,Å,·□B

□E,|,|□|—¹Žž□A,·,×,Ä,ì'Ê□MŠÂ««,đ•Û'¶,·,é

□@[ON] ,Å, ,ê,î,|,|□|—¹Žž□A□Ý'è,μ,½,·,×,Ä,ì'Ê□MŠÂ««,đ•Û'¶,μ,Û,·□B

□@'Ê□í,íŽŸ%ñ,Ö□;%ñ,ì□Ý'è,ª^ø,«Āp,ª,ê,Û,·,ì,Å [ON] ,ª—Ç,ç,ÆŽv,ç,Û,·□B

## Ⓜ@fⓂ[f<,lf\_fEf“ⓂEfAfbfvfⓂⓂ[fhⓂY'è

### ⓂEfⓂⓂ[f<,lf\_fEf“fⓂⓂ[fh

Ⓜ@fofCfifŠfⓂⓂ[f<,ð'ÊⓂMfvfⓂfgfRf<,a,o,k,Åf\_fEf“fⓂⓂ[fh,μ,Û,·ⓂB

Ⓜ@ⓂEf\_fEf“fⓂⓂ[fh,·,éffⓂⓂ[f<No.

Ⓜ@Ⓜ@f\_fEf“fⓂⓂ[fh,·,éffⓂⓂ[f<No.,ðŽw'è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,çⓂB

Ⓜ@ⓂEftf@fCf<-¼,ðfhf%ofCfu-¼,ðŠÛ,Pftf<fpfX,ÅŽw'è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,ç

Ⓜ@Ⓜ@f\_fEf“fⓂⓂ[fh,μ,½fⓂⓂ[f<,ð•Û'¶,·,éftf@fCf<-¼,ðfhf%ofCfu-¼,ðŠÛ,Pftf<fpfX,ÅŽw'è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,çⓂB

### ⓂEfⓂⓂ[f<,lfAfbfvfⓂⓂ[fh

Ⓜ@fofCfifŠfⓂⓂ[f<,ð'ÊⓂMfvfⓂfgfRf<,a,o,k,ÅfAfbfvfⓂⓂ[fh,μ,Û,·ⓂB

Ⓜ@ⓂEftf@fCf<-¼,ðfhf%ofCfu-¼,ðŠÛ,Pftf<fpfX,ÅŽw'è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,ç

Ⓜ@Ⓜ@fAfbfvfⓂⓂ[fh,·,éftf@fCf<,ì,·,éèèŠ,ðfhf%ofCfu-¼,ðŠÛ,Pftf<fpfX,ÅŽw'è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,çⓂB

Ⓜ@ⓂE'è-¼:

Ⓜ@Ⓜ@fAfbfvfⓂⓂ[fh,·,éffⓂⓂ[f<,ì'è-¼,ðŽw'è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,çⓂB

Ⓜ@ⓂE^¶Ⓜæ:

Ⓜ@Ⓜ@fAfbfvfⓂⓂ[fh,·,éffⓂⓂ[f<,ì^¶Ⓜæ,h,c,ðŽw'è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,çⓂB

□@ftf@fCf<,lf\_fEf“f□□[fh□Y’è

□Eftf@fCf<,lf\_fEf“f□□[fh

□@ftf@fCf<,lf\_fEf“f□□[fh,đ,“,±,È,ç,Ü,·□B

□@^ê“x,É,QÆÂ,Ü,Å,lf\_tf@fCf<,đ\_fEf“f□□[fh,Å,«,Ü,·□B

□@□Eftf@fCf<,lf\_fEf“f□□[fh,đ,“,±,È,x

□@□@[ON] ,Å, ,ê,lf\_tf@fCf<,đ’Ê□Mfvf□fgfRf<,a,o,k,Å\_fEf“f□□[fh,μ,Ü,·□B

□@□EftfH□[f%of€

□@□@f\_fEf“f□□[fh,·,éftf@fCf<,ì, ,éftfH□[f%of€,đŽw’è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,ç□B

□@□E,k,h,a

□@□@f\_fEf“f□□[fh,·,éftf@fCf<,ì, ,éftfH□[f%of€,lf%ofCfu f%ofŠ”Ô□t,đŽw’è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,ç□B

□@□Efff□[f^”Ô□t

□@□@f\_fEf“f□□[fh,·,éftf@fCf<,iff□[f^”Ô□t,đŽw’è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,ç□B

□@□Ef\_fEf“f□□[fhftf@fCf<-¼,đfhf%ofCfu-¼,đŠÜ,pftf<fpfX,ÅŽw’è

□@□@f\_fEf“f□□[fh,μ,½ftf@fCf<,đ•Û’¶,·,éftf@fCf<-¼,đfhf%ofCfu-¼,đŠÜ,pftf<fpfX,ÅŽw’è,μ,Ä%oo<sup>o</sup>,<sup>3</sup>,ç□B

Ⓜ@ftf@fCf<,lfAfbfvfⓂⓂlfhŸ'è

ⓂEftf@fCf<,lfAfbfvfⓂⓂlfh

Ⓜ@ftf@fCf<,đ'ÊⓂMfvfⓂfgfRf<,a,o,k,ÅfAfbfvfⓂⓂlfh,μ,Û,·ⓂB

Ⓜ@ⓂEftfHⓂlf%of€

Ⓜ@Ⓜ@fAfbfvfⓂⓂlfh,·,éftf@fCf<,ì, ,éftfHⓂlf%of€,đŽw'è,μ,Ä%o<sup>o</sup>,<sup>3</sup>,çⓂB

Ⓜ@ⓂE,k,h,a

Ⓜ@Ⓜ@fAfbfvfⓂⓂlfh,·,éftf@fCf<,ì, ,éftfHⓂlf%of€,lf%ofCfuf%ofŠ"ÔⓂ†,đŽw'è,μ,Ä%o<sup>o</sup>,<sup>3</sup>,çⓂB

Ⓜ@ⓂEffⓂlf<sup>-1/4</sup>

Ⓜ@Ⓜ@fAfbfvfⓂⓂlfh,·,éftf@fCf<,ìffⓂlf<sup>-1/4</sup>ì,đŽw'è,μ,Ä%o<sup>o</sup>,<sup>3</sup>,çⓂB

Ⓜ@ⓂE•â'«Ⓜà<sup>-3/4</sup>ftf@fCf<<sup>-1/4</sup>,đfhf%ofCfu<sup>-1/4</sup>,đŠÛ,pftf<fpfX,ÅŽw'è

Ⓜ@Ⓜ@•â'«Ⓜà<sup>-3/4</sup>,đ<LⓂq,μ,1/2ftf@fCf<,ì, ,éêⓂŠ,đfhf%ofCfu<sup>-1/4</sup>,đŠÛ,pftf<fpfX,ÅŽw'è,μ,Ä%o<sup>o</sup>,<sup>3</sup>,çⓂB

Ⓜ@ⓂEfAfbfvfⓂⓂlfhftf@fCf<<sup>-1/4</sup>,đfhf%ofCfu<sup>-1/4</sup>,đŠÛ,pftf<fpfX,ÅŽw'è

Ⓜ@Ⓜ@fAfbfvfⓂⓂlfh,·,éftf@fCf<,ì, ,éêⓂŠ,đfhf%ofCfu<sup>-1/4</sup>,đŠÛ,pftf<fpfX,ÅŽw'è,μ,Ä%o<sup>o</sup>,<sup>3</sup>,çⓂB



## ☐@•ŕŽšfR☐[fh,Æ%ü☐sfR☐[fh,É,Á,č,Ä

Windows. MS/Dos ,Á,Í☐**SHIFT-JIS** ,<sup>a</sup>•ŕŽšfR☐[fh ,Æ,μ,ÄŽg—  
p,<sup>3</sup>,ê,Ü,·,<sup>a</sup>☐ACE»☐ÝŽg—p,<sup>3</sup>,ê,Ä,č,é•ŕŽšfR☐[fh,Æ,μ,Ä,Í^È%ü,ì,à,ì,<sup>a</sup> ,è,Ü,·☐B  
☐**SHIFT-JIS** fR☐[fh  
☐**EJIS** fR☐[fh  
☐**EEUC** fR☐[fh  
☐**UNICODE** fR☐[fh

,l,l,Á,Í☐A,±,ê,ç,ì,·,x,Ä,ì•ŕŽšfR☐[fh,ìfefLfXfg,đŠ),,±,Æ,<sup>a</sup>,Á,«,Ü,·☐B  
,Ü,½ ^ÙŽí,ì•ŕŽšfR☐[fh,<sup>a</sup>☐—☐Ý,μ,½fefLfXfg ,àŠ),,±,Æ,<sup>a</sup>,Á,«,Ü,·☐B  
(**UNICODE** ,í—áŠO,ÁfR☐[fh,ì☐«Ši☐ã '¼,ì•ŕŽšfR☐[fh,Æ,Í☐—☐Ý,Á,«,È,č,æ,α  
,É,È,Á,Ä,č,Ü,·)

◀'ì"í ,É,Í **SHIFT-JIS**☐**AJIS**☐**AEUC** ,ì•ŕŽšfR☐[fh,<sup>a</sup> ☐—☐Ý ,μ,½fefLfXfg,Á,·☐B  
Š),ftf@fCf<,ìffffHf<fg,ì•ŕŽšfR☐[fh,Í **SHIFT-JIS** ,Æ,È,Á,Ä,č,Ü,·,ì,Á  
,»,ê^ÈŠO,ì•ŕŽšfR☐[fh,ìftf@fCf<,đŠ),☐ê☐‡,Í [ftf@fCf<,đ Š),]  
,Á•ŕŽšfR☐[fh,đ☐Ý'è,μ,Ä%ü,<sup>3</sup>,č☐B

Š),ftf@fCf< ,ì•ŕŽšfR☐[fh,<sup>a</sup>-¾,ç,©,È☐ê☐‡,Í **SHIFT-**  
**JIS**☐**AJIS**☐**AEUC**☐**AUNICODE** ,ì,č,Ä,ê,©,đŽw'è,μ,Ä%ü,<sup>3</sup>,č☐B  
Š),ftf@fCf<,ì•ŕŽšfR☐[fh,<sup>a</sup>,æ,,í,©,ç,È,č☐ê☐‡,â^ÙŽí,ì•ŕŽšfR☐[fh,<sup>a</sup> ☐—☐Ý  
,μ,½fefLfXfg,đŠ),☐ê☐‡,Í Ž©"®"FŽ~ ,É☐Ý'è,μ,ÄŠ),č,Ä%ü,<sup>3</sup>,č☐B

Ž©"®"FŽ~ ,É,Í **EUC** ,đ ☐œ, ,Æ ŠÜ,p f,☐[fh,<sup>a</sup> ,è,Ü,·,<sup>a</sup>,±,ê,Í **SHIFT-JIS**  
,Á"¼Špfjf^fjfi(**A1H - DEH**),<sup>a</sup>ŠÜ,Ü,ê,Ä,č,½☐ê☐‡,É,±,ê,đ **EUC** ,ìŠ;Žš,Æ <æ•É  
,Á,«,È,čŽ-,<sup>a</sup> ,é,½,β,É, ,è,Ü,·☐B  
**EUC** ,Á,Í **SHIFT-JIS** ,ì"¼Špfjf^fjfi,ÄŽg—p,·,é•ŕŽšfR☐[fh(**A1H - DEH**)  
,đŠ;Žš,ì,PfofCf<g-Ú,ÉŽg—p,·,é,½,β,ÉŽ©"®"FŽ~ ,Á,Í,±,ì•"•<sup>a</sup>,ì "»'f ,<sup>a</sup>ï,μ,č  
,ì,Á,·☐B

,μ,½,<sup>a</sup>,Á,Ä **SHIFT-JIS** ,ì"¼Špfjf^fjfi•ŕŽš,đŠÜ,pfefLfXfg,đŽ©"®"FŽ~ ,ÁŠ),-  
☐ê☐‡,Í•K, , **EUC** ,đ ☐œ, f,☐[fh,ÁŠ),č,Ä%ü,<sup>3</sup>,č☐**BEUC** ,đ ŠÜ,p f,☐[fh,¾,Æ☐ă<L,ì  
—☐—R,É,æ,è **SHIFT-JIS** ,ì"¼Špfjf^fjfi•ŕŽš,<sup>a</sup> **EUC** ,ìŠ;ŽšfR☐[fh,Æ **CEë" FŽ~**  
,<sup>3</sup>,ê,é<°,ê,<sup>a</sup> ,è,Ü,·☐B  
**SHIFT-JIS** ,Æ **EUC** ,ì☐—☐Ý,μ,½fefLfXfg,đŠ),☐ê☐‡,Í **EUC** ,đ ŠÜ,p f,☐[fh,ÁŠ),-

,μ, ©, ,è,Ü,¹,ñ,ì,Å,» ,ìê±,í **SHIFT-JIS**  
,ìfèLfXfg•"•ª,É"¼Špfj^fjfi•ŕŽš,ªŠÜ,Ü,ê,Ä,ç,È,ç,±,Æ,ð Šm" F  
,³,ê,½•û,ª^À'S,Å,·□B

,μ, ©, μ Windows. MS/Dos ,Å, í□**ASHIFT-JIS** ,ª flfCfefBfu,ì•ŕŽšfR□[fh  
,Å,·,ì,Å'Éí,í**SHIFT-JIS** Ć`Ž® ,ìftf@fCfç,Å,²Žg—p%º,³,ç□B  
**SHIFT-JIS** ^ÈŠÖ,ì•ŕŽšfR□[fh,ìftf@fCfç,ðŽg—p,·,é,Æ **SHIFT-JIS**  
fR□[fh,Ö,ì•ŕŽšfR□[fh,Ö,ì•ï□X,ì•K—v,ª, ,è,» ,ê,¾,¯•ï□X,É—v,·,é ŽžŠÖ  
,ª, ©, ©, è, Ü, ·□B

□E%ü□sfR□[fh,É,Â,ç,Ä  
Windows. MS/Dos ,Å, í□**ACR+LF** ,ª%ü□sfR□[fh,Æ,μ,ÄŽg—p,³,ê,Ü,·,ª  
%ü□sfR□[fh,Æ,μ,Ä,í^È%º,ì,à,ì,ªŽg—p,³,ê,Ä,ç,Ü,·□B  
□**ECR+LF** (Windows, MS/Dos ,Å,ì%ü□sfR□[fh)  
□**ELF** (Unix ,Å,ì%ü□sfR□[fh)  
□**ECR** (Machintosh ,Å,ì%ü□sfR□[fh)

,±,ì,ª,¿%ü□sfR□[fh,ª  
□**ELF** (Unix ,Å,ì%ü□sfR□[fh)  
□**ECR** (Machintosh ,Å,ì%ü□sfR□[fh)  
,ìftf@fCfç,ðŠJ,ìê±,í□A•ŕŽšfR□[fh,ª **SHIFT-JIS** ,Å, ,Á,Ä,à Ž©"®"FŽ<sup>-</sup>  
f,□[fh,ÅŠJ,ç,Ä%º,³,ç□B  
,» ,ª,·,é,Æ%ü□sfR□[fh,ð **CR+LF** (Windows, MS/Dos Ć`Ž®)  
,É•İŠ,μ,È,ª,ç"Ç,Ýž,Ý,Ü,·□B

[**SHIFT-JIS** ^ÈŠÖ,ì•ŕŽšfR□[fh,Å,ì•Ò□WfefLfXfg,ì•Û'ŕ]  
**SHIFT-JIS** ^ÈŠÖ,ì•ŕŽšfR□[fh,Å•Ò□WfefLfXfg,ð•Û'ŕ,μ,½,çê±,í□A[<sub>¼</sub>O,ð•t,¯,Ä•Û'ŕ] ,Å•Û'ŕ,μ,½,ç•ŕŽšfR□[fh,ð'ìð,μ,Ä,©,ç•Û'ŕ,μ,Ä%º,³,ç□B  
^È%º,ì•ŕŽšfR□[fh,ª'ìð,Å,« ,Ü,·□B  
□**SHIFT-JIS** fR□[fh  
□**EJIS** fR□[fh  
□**EEUC** fR□[fh  
□**UNICODE** fR□[fh

,Ü,½•Ò□WfefLfXfg,í□**ACR+LF** ,ª%ü□sfR□[fh,Å,·,ª,» ,ê^ÈŠÖ,ì  
%ü□sfR□[fh,Å•ï□X,μ,½,çê±,í•Û'ŕ,μ,½,ç%ü□sfR□[fh,ð'ìð,μ,Ä%º,³,ç□B  
^È%º,ì%ü□sfR□[fh,ª'ìð,Å,« ,Ü,·□B

,È," **UNICODE** ,Å,ì•Û'¶,ìèè¶,í %üü¶sfR¶[fh,ì'í'ð,í-³^Ó-; ,Å,·¶B  
¶**CR+LF** ([Windows](#), [MS/Dos](#) ,Å,ì%üü¶sfR¶[fh)  
¶**ELF** ([Unix](#) ,Å,ì%üü¶sfR¶[fh)  
¶**ECR** ([Machintosh](#) ,Å,ì%üü¶sfR¶[fh)

[ftf@fCf<,ðŠL,] ,â [-¼'O,ð•t, ,Ä•Û'¶] ,Å,ìftf@fCf<,Ö,ì•¶ŽšfR¶[fh¶A  
%üü¶sfR¶[fh,ìŽw'è,í [ ŠÄ« ¶Ý'è ] -> [ feLfXfg,ìŽ©"®•Û'¶,Æftf@fCf<,ì"r¼ ]  
-> [ftfHf<f\_ ,Å•¶ŽšfR¶[fh,ðŽw'è,;é] ,ÅŽw'è,³,è,½ftfHf<f\_ "à,ìftf@fCf<,ìèè¶,É,í  
[ftfHf<f\_ ,Å•¶ŽšfR¶[fh,ðŽw'è,;é] ,Å,ì Žw'è,ª—D¶æ ,³,è,Û,·¶B

**SHIFT-JIS** ^ÈŠO,ì•¶ŽšfR¶[fh,â **CR+LF** ^ÈŠO,ì  
%üü¶sfR¶[fh,Å,ìftf@fCf<,ì"Ç,Ý¶ž,Ý,â•Û'¶,Å,í•İŠ•,É  
—]•ª,ÈŽžŠÔª,©,©,è,Û,·,ì,Å'Ê¶í,í [Windows](#) ,ìlfCfefBfufR¶[fh  
,Å, ,é¶A•¶ŽšfR¶[fh,í **SHIFT-JIS**¶A%üü¶sfR¶[fh,í **CR+LF** ,ÅŽg—p,³,è,Ä  
%üü,³,¶¶B

☐@☐☐☐o,μ☐s,É,Â,ç,Ä

☐☐☐☐o,μ☐s,Æ,μ,Ä,ì•☐Žš—ñ,ð,ð☐Ý'è,·,é,±  
,Æ,Ä,» ,ì☐s,í☐☐☐o,μ☐s,Æ" FŽ˘ ,³,ê,Ü,·☐B

☐☐☐☐o,μ☐s,Ä,í•\Ž!☐F,ìŽw'è,â☐☐☐o,μ^ê—,ÆfWfff"fv,ª,Ä,« ,Ü,·☐B  
,æ,Ü,,Ä,© ,ì,î☐A•☐☐'ŠÇ—☐,É—L☐☐ø,Ä,μ,â,æ☐B

☐@☐!^óü,ì☐u☐☐☐☐o,μ☐s☐☐Ý'è  
f\_fCfAf☐☐O☐v,Ä,à☐☐☐☐o,μ☐sŽw'è,Æ,μ,ÄŽg,ì,Ü,·☐B

☐☐☐☐☐o,μ☐s,ì☐Ý'è

☐@•\Ž! ☐☐Ý'è,ì☐A•ò☐Wf,☐☐fh1 ,Ä%º<L,ì☐☐☐☐o,μ☐s,ìŽw'è•☐Žš—  
ñ,ì☐Ý'è,ª ,è,Ü,·☐B

☐@☐☐☐"Žš(1. 1- 2. 2- "™)

☐@☐@[ON] ,Ä, ,ê,î☐A,Q☐☐... ,Ü,Ä,ì☐"Žš,ì•Ä,Ñ,É fsfŠfIfh(.)☐AfnfCftfHf"(-)  
,ì•t,ç,½•☐Žš—ñ,ð☐☐☐☐o,μ,Æ,μ,Ä" FŽ˘ ,μ,Ü,·☐B

☐@☐@"¼Šp•☐Žš☐A'SŠp•☐Žš,Ç,ì,ç,à,n,j,Ä,·☐B

☐@☐☐☐%opŽš(A. A- b. b- "™)

☐@☐@[ON] ,Ä, ,ê,î☐A,Q☐☐... ,Ü,Ä,ì%opŽš,ì•Ä,Ñ,É fsfŠfIfh(.)☐AfnfCftfHf"(-)  
,ì•t,ç,½•☐Žš—ñ,ð☐☐☐☐o,μ,Æ,μ,Ä" FŽ˘ ,μ,Ü,·☐B

☐@☐@"¼Šp•☐Žš☐A'SŠp•☐Žš☐A,» ,ê,É 'ä•☐Žš☐A☐☐→•☐Žš,Ç,ì,ç,à,n,j,Ä,·☐B

☐@☐☐☐s"ª,ìfXfy☐☐fX☐Af^fu,í-³Ž<,·,é

☐@☐@[ON]

,Ä, ,ê,î☐A'î☐Ù,Æ,È,éfefLfXfg,ì☐s"ª,ì"¼Šp<y,Ñ'SŠpfXfy☐☐fX•☐Žš☐Af^fu•☐  
Žš,í-³Ž<,μ,Ä☐☐☐☐o,μ☐s,ì" FŽ˘ ,ð," ,±,È,ç,Ü,·☐B

☐@☐☐☐ft☐☐fU☐☐[Žw'è,ì☐☐☐☐o,μ•☐Žš—ñ

☐@☐@ft☐☐fU☐☐[Žw'è,ì☐☐☐☐o,μ☐s,ì•☐Žš—ñ,ð ,W☐☐Ä ,Ü,ÄŽw'è,Ä,« ,Ü,·☐B

☐@,Ü,½☐A

☐@•\Ž! ☐☐Ý'è,ì☐A•\Ž!☐☐F,ì☐Ý'è ,Ä☐☐☐☐o,μ☐s,ì☐F☐Ý'è,ª ,è,Ü,·☐B

☐@☐☐☐☐o,μ^ê—,ÆfWfff"fv ,Ä☐☐☐☐o,μ☐s,ì^ê—

,Æ☐☐☐☐o,μ☐s fWfff"fv,ª,Ä,« ,Ü,·☐B

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,ĀŒÿ□ö,·,éf,□[fh,ì,±,Æ,ðŽw,μ,ĀŒ¾,í,ê,Ü,·□B,μ,©,μ,±,ê,¾,¯,Ā,í-{-,É -ž’«  
,ì,ç,, ,ç,Ü,ç,ÈŒÿ□ö,í,Ā,«,È,ç,±,Æ,ª, ,è,Ü,·□B

—á,ì,îA¹,ì□u,·,,ß□v,Æ□ufXfYf□□v,â□A□u,©,ç,·□v,Æ□ufJf%ofX□v,ð “^-êž<  
,μ,ĀŒÿ□ö,μ,½,ç□ê□†,ª, ,è,Ü,·□B

,Ü,½JfJ^JfJŒ¾—t,ì□ê□†□A□l,É,æ,Ā,Ā”÷-,É •\<L,ª^á,ª □ê□†,ª,æ,, ,è,Ü,·□B  
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,Ü,½□AfšfAf<f^fCf€□@CE` ,ìON.OFF ,ì□Ý’è,í  
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<[Ž—%ü□s ,ífefLfXfg,ì •Ü’¶Žž ,É^Êí,ì%ü□s,É•İŠ,ª,ê,Äftf@fCf<,Ö •Ü’¶ ,ª,ê,Ü,·□B

[%Óđ', « f, [fh]

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Ā>Ā>Āœ%ōpŽ«~Y ,íĀfjftfefBĀ[fTĀ[fu,ì  
Āf%ōp%ōi~bftfHĀ[f%ōfĕĀECommunication ŠÛĀ,, FENG5  
ffĀ[f^f%ōfCfuf%ōfŠ,Q”Ō,É%ōo<L,ì,æ,ᄁ,É“o~^,³,è,Ā,č,Û,·ĀB  
Ā>Ā>Āœ%ōpŽ«~Y V6

,SĈÊĀ,ì^³Ākftf@fCf<,©,çĀ→,è—š,Ā,Ä,č,Û,·ĀB  
790 VZS01644 98/03/07 2521525 247 B  
%ōpŽ«~YAC.LZHĀ@Ž«Ā'Āp°ĀĀiAĀ`CĀj Ā·½ĀĈÊĀ`Ž®  
789 VZS01644 98/03/07 2868995 232 B  
%ōpŽ«~YDI.LZHĀ@Ž«Ā'Āp°ĀĀiDĀ`IĀj Ā·½ĀĈÊĀ`Ž®  
788 VZS01644 98/03/07 2697392 226 B  
%ōpŽ«~YJP.LZHĀ@Ž«Ā'Āp°ĀĀijĀ`PĀj Ā·½ĀĈÊĀ`Ž®  
787 VZS01644 98/03/07 3096259 224 B  
%ōpŽ«~YQZ.LZHĀ@Ž«Ā'Āp°ĀĀiQĀ`ZĀj Ā·½ĀĈÊĀ`Ž®

Ā>Ā>Āœ%ōpŽ«~Y V5  
,SĈÊĀ,ì^³Ākftf@fCf<,©,çĀ→,è—š,Ā,Ä,č,Û,·ĀB  
727 VZS01644 98/02/07 2215734 B  
%ōpŽ«~YAC.LZHĀ@Ž«Ā'ffĀ[f^ĀiAĀ`CĀj  
726 VZS01644 98/02/07 2153642 B  
%ōpŽ«~YDH.LZHĀ@Ž«Ā'ffĀ[f^ĀiDĀ`HĀj  
725 VZS01644 98/02/07 2768096 B %ōpŽ«~YIP.LZHĀ@Ž«Ā'ffĀ[f^ĀiĀĀ`PĀj  
724 VZS01644 98/02/07 2743370 B  
%ōpŽ«~YQZ.LZHĀ@Ž«Ā'ffĀ[f^ĀiQĀ`ZĀj

Ā>Ā>Āœ%ōpŽ«~Y V4  
,Q,OĈÊĀ,ì^³Ākftf@fCf<,©,çĀ→,è—š,Ā,Ä,č,Û,·ĀB  
710 VZS01644 98/01/24 65685 123 B  
%ōpŽ«~Yxz.LZHĀ@Ž«Ā'ffĀ[f^ĀiXYZĀj

709 VZS01644 98/01/24 670212 129 B  
%opŽ«~Y4s.LZH@Ž«[]'ff[]f^[]iS[]j  
707 VZS01644 98/01/21 277822 249 B  
%opŽ«~Y4r.LZH@Ž«[]'ff[]f^[]iR[]j  
704 VZS01644 98/01/20 44429 259 B  
%opŽ«~Y4q.LZH@Ž«[]'ff[]f^[]iQ[]j  
703 VZS01644 98/01/20 458946 252 B  
%opŽ«~Y4p.LZH@Ž«[]'ff[]f^[]iP[]j  
701 VZS01644 98/01/18 221360 293 B  
%opŽ«~Y4o.LZH@Ž«[]'ff[]f^[]iO[]j  
699 VZS01644 98/01/17 174548 295 B  
%opŽ«~Y4n.LZH@Ž«[]'ff[]f^[]iN[]j  
697 VZS01644 98/01/16 342085 305 B  
%opŽ«~Y4m.LZH@Ž«[]'ff[]f^[]iM[]j  
695 VZS01644 98/01/15 277807 312 B  
%opŽ«~Y4L.LZH@Ž«[]'ff[]f^[]iL[]j  
692 VZS01644 98/01/14 110620 312 B  
%opŽ«~Y4k.LZH@Ž«[]'ff[]f^[]iK[]j  
691 VZS01644 98/01/14 117806 310 B  
%opŽ«~Y4j.LZH@Ž«[]'ff[]f^[]iJ[]j  
688 VZS01644 98/01/14 277217 316 B  
%opŽ«~Y4i.LZH@Ž«[]'ff[]f^[]iI[]j  
686 VZS01644 98/01/13 319704 321 B  
%opŽ«~Y4h.LZH@Ž«[]'ff[]f^[]iH[]j  
684 VZS01644 98/01/12 313962 340 B  
%opŽ«~Y4g.LZH@Ž«[]'ff[]f^[]iG[]j  
682 VZS01644 98/01/11 316674 347 B  
%opŽ«~Y4f.LZH@Ž«[]'ff[]f^[]iF[]j  
680 VZS01644 98/01/10 206654 357 B  
%opŽ«~Y4e.LZH@Ž«[]'ff[]f^[]iE[]j  
677 VZS01644 98/01/09 363131 357 B  
%opŽ«~Y4d.LZH@Ž«[]'ff[]f^[]iD[]j  
676 VZS01644 98/01/09 608484 358 B  
%opŽ«~Y4c.LZH@Ž«[]'ff[]f^[]iC[]j  
672 VZS01644 98/01/07 439879 390 B  
%opŽ«~Y4b.LZH@Ž«[]'ff[]f^[]iB[]j  
670 VZS01644 98/01/06 512368 418 B

%opŽ«~Y4A.LZH@Ž«[]ff[]f^[]ia[]

[]>[]>[]œ%opŽ«~Y V3

,SCEÂ,î³[]kftf@fCf<,©,ç[]¬,è—§,Á,Ä,ç,Ü,·[]B

578 BYE03231 97/06/26 2697802 B %opŽ«~YAE.LZH@%op~aŽ«[]'[]w  
%opŽ«~Y[]xV3 (A-E)

577 BYE03231 97/06/26 2161254 B %opŽ«~YFL.LZH@%op~aŽ«[]'[]w  
%opŽ«~Y[]xV3 (F-L)

576 BYE03231 97/06/26 2008028 B %opŽ«~YMR.LZH@%op~aŽ«[]'[]w  
%opŽ«~Y[]xV3 (M-R)

575 BYE03231 97/06/26 2114940 B %opŽ«~YSZ.LZH@%op~aŽ«[]'[]w  
%opŽ«~Y[]xV3 (S-Z)

[]>[]>[]œ%opŽ«~Y V1

,RCEÂ,î³[]kftf@fCf<,©,ç[]¬,è—§,Á,Ä,ç,Ü,·[]B

516 BYE03231 96/12/17 2333664 B %opŽ«~YAF.LZH “dŽqŽ«[]'[]w  
%opŽ«~Y[]xV.1(A-F)

515 BYE03231 96/12/16 2453319 B %opŽ«~YGP.LZH “dŽqŽ«[]'[]w  
%opŽ«~Y[]xV.1(G-P)

514 BYE03231 96/12/16 1896483 B %opŽ«~YQZ.LZH “dŽqŽ«[]'[]w  
%opŽ«~Y[]xV.1(Q-Z)

[]>[]>[]œV2 ,í []ufnfCfp[][%opCEêŽ«“T[]v,Æ,ç,æ[]'[]Đ(b,c),Å-

{%o@,³,ñ,Å”ì” , ,³,ê,Ä,ç,Ü,·[]B

%opŽ«~Y ,í¼,É —aŽ«~Y ,â -¼%opŽ«~Y[]A~a%opŽ«~Y “™ ,à,í,ç,Á,Ä

2,200%o~ ,ÆCE¾,æ^À,³,Å,·[]B

%opŽ«~Y ,íâ,«,Èftf@fCf<,Å,·,©,ç[]Af\_fEf“f[][]fh,ìžèšô,â'Ê[]M”i—p,ð[]l,|,é,Æ,±  
,ê,ð”f,í,ê,é,ì,ª,“¾,©,à,μ,ê,Ü,¹,ñ[]B

[]'-¼ fnfCfp[][%opCEêŽ«“T(CD-ROM & BOOK)

”[]sŽÒ <Z[]p•]~\_žĐ

'~žÒ ,d,c,o

'è%oj 2,200%o~ ([]Å•Ê)

fR[]fh ISBN4-7741-0441-8

[]>[]œ[]E%opŽ«~Y ,ð%ođ“€,·,é,Æ V1 ,í %opŽ«~Y-A.TXT ,©,ç %opŽ«~Y-

Z.TXT[]AV3 ,í %opŽ«~V3-A.TXT ,©,ç %opŽ«~V3-Z.TXT[]AV4 ,í %opŽ«~Y4A.TXT

, ©, ç %opž«~Y4Z.TXT A V5 , í %opž«~Y5A.TXT , ©, ç %opž«~Y5Z.TXT A V6 , í  
%opž«~Y6A.TXT , ©, ç %opž«~Y6Z.TXT , ì26ĚÂ, ìftf@fCf<, É, È, è, Ü, · B  
, l, l, ì-| -óž«' , Æ, μ, Ä A%opž«~Y , ðžg—p, ·, é ê ì †, í, ±  
, ì26ĚÂ, ìftf@fCf<, ð“Ç, Ý ž, ñ, Āž«' , Æ, μ, Äžg—p, μ, Ü, · B

□>□œ□E%opž«~Y V2 , í □ufnfCfp□[ %op~až«“T□v, Æ, ç, x□' □Đ, É, b, c, Ā“Y•t, ³, ê, Ä, ç  
, é, à, ì, Ā FENGĚ`ž® , ì%opž«~Y , Æ, μ, Ä□Ā□%o, ©, ç FENG5-A.TXT , ©, ç FENG5-  
Z.TXT , Ü, Ā, ì26ĚÂ, ð, í, ç, Ā, Ä, ç, Ü, ·, ì, Ā%ođ“€ , ì•K—v, í, , è, Ü, ¹, ñ□B

□>□œ□E%opž«~Y V1 , í  
□@Ě© □o Ěê □"□@□□□@, Q, W-œ2595  
□@□@—p —á □"□@□□□@, P-œ6988  
fg□[f^f<fTfCfY□@□□□@16.1f□fKfofCfg

□>□œ□E%opž«~Y V2 , í  
V2 , í □ufnfCfp□[ %op~až«“T□v, Æ, ç, x□' □Đ, b, c, É“Y•t, ³, ê, Ä, ç, Ü, ·  
□@Ě© □o Ěê □"□@□□□@, R, S-œ7000  
□@□@—p —á □"□@□□□@, P-œ7913  
fg□[f^f<fTfCfY□@□□□@17.6f□fKfofCfg

□>□œ□E%opž«~Y V3 , í  
□@Ě© □o Ěê □"□@□□□@, R, S-œ9497  
□@□@—p —á □"□@□□□@, P-œ9246  
□@ĚĀ —L -¼ žĚ□@□□□@, X-œ, Q, Q, O, O  
□@ĚĀ —L -¼žĚ, ¾, ¯ , ð□W, ß, ½ž«□' □u-¼ž«~Y□v, ð%opž«~Y, ÖŠÜ, Ü, ê, ½□B

□>□œ□E%opž«~Y V4 , í  
V3 , ð□X, É““W, ³, ¹, ½□Ā□V, ì“Ā, Ā, ·□B

□>□œ□E%opž«~Y V5 , í  
V4 , ð□X, É““W, ³, ¹, ½□Ā□V, ì“Ā, Ā, ·□B

□>□œ□E%opž«~Y V6 , í  
V5 , ð□X, É““W, ³, ¹, ½□Ā□V, ì“Ā, Ā, ·□B

, Æ, ç, x“à—e, ðž□, Āžs“ì, ìž«□', É, à□Ÿ, é<—í, Ā'f□°, ç, μ, çž«□', Ā, ·□B







Ⓜ@fCf“f^Ⓜ[f]fbfgŠÖ~A,É,Â,č,Ä

,l,lfGfffBf^,Â,lfCf“f^Ⓜ[f]fbfgŠÖ~A,ì<@”\,É,Â,č,Ä,Â,·ⓂB

Ⓜ@ⓂEHTML·ⓂⓂ’Ⓜ̀Ⓜ̀Ⓜ̀fcⓂ[f<,ì<N“®

Ⓜ@Ⓜ@,g,s,l,k·ⓂⓂ’Ⓜ̀Ⓜ̀Ⓜ̀—p,lf^fO’l’đ,·,éGfNfXfvfⓂⓂ[f%·—,lfcfŠⓂ[frf...  
Ⓜ[,lfEfCf“fhfE,Â,·ⓂB

Ⓜ@ⓂEHTMLf^fO·\Ž!

Ⓜ@Ⓜ@Ⓜm”í^í’l’đŽÄŽ{’tⓂn,íŽ©“®“l,ÉⓂm·ⓂŽšⓂFⓂn,Æ“~ ,ⓂⓂF,É,È,è,Ü,·ⓂB  
Ⓜ@Ⓜ@fⓂfj...Ⓜ[,ì[·\Ž!ⓂY’è]->[·\Ž!ⓂE,ìⓂY’è],Â HTMLf^fO·\Ž!,ª[ON],Â—  
LCEø,Æ,È,è,Ü,·ⓂB

Ⓜ@Ⓜ@< ,Æ > ,Â^í,Ü,ê,½”í^í,đ HTMLf^fO,Æ,μ,Ä”FŽ~ ,μ,Ü,·ⓂB

Ⓜ@Ⓜ@HTMLf^fO,ª,QⓂs,É,Ü,½,ª,Á,Ä,č,éⓂêⓂ±,í^íⓂÛŠO,Æ,È,è,Ü,·ⓂB

Ⓜ@ⓂE,l,l,ìfzⓂ[f€fyⓂ[fW,Ö

Ⓜ@Ⓜ@fvf%ofEfU,đ<N“® ,μ,ÄⓂA,l,l,ìfzⓂ[f€fyⓂ[fW,ÖfŠf“fN,μ,Ü,·ⓂB

Ⓜ@ⓂEHTML·ⓂⓂ’,đfuf%ofEfU,Â·\Ž!

Ⓜ@Ⓜ@·ÒⓂW’t,ì HTML ·ⓂⓂ’,đⓂAWin·WⓂ€fuf%ofEfU,Â·\Ž!,μ,Ü,·ⓂB

Ⓜ@ⓂEfNfŠfbfjuf< URL,MAIL ,lfŠf“fN<@”\

Ⓜ@Ⓜ@·ÒⓂW’t,lfefLfXfg“à,Â URL,MAIL ,lfAfhfCEfX,ª, ,ê,îⓂAⓂF·\  
Ž!,μ,ÄⓂAfAfCfRf“,ªfnf“fhCE` ,Æ,È,è,Ü,·ⓂB

Ⓜ@Ⓜ@,±,ìⓂó’Ô,Âf\_fuf<fNfŠfbfN,·,ê,îⓂAfuf%ofEfUⓂAfⓂⓂ[f

%oⓂ[,ªŽ©“®<N“® ,μ,Ü,·ⓂBŽ©“®fŠf“fN,μ,Ü,·ⓂB

© "® ŠĀ««É,Ā,č,Ä

,l,lfgffBf^95 ,íAWindows 95 ,ª—§,¿ă,ª,éŠĀ««Ā, ,ê,î ,È,čf,f,šŽÀ'•,Ā,à-  
â'è,È,"® ,μ,Û,·B  
,Û,½ "Á'è,lfhf%ofCfo"™ ,É^Ě'¶,μ,È,č ,æ,α,Éîî¬,³,ê,Ä,č  
,Û,·,ì,ĀA,Ç,ìf}fVf" ,Ā,à"® ,·,é,à,ì,ÆŽv,č,Û,·B

□@,¿,â,Á,Æ•Ö—~,ÈŽg,ç•û

□œ□¶f}fEfX,lf\_fuf<fNfŠfbfN,Á•¶Žš—ñ,đ'í'đ,Á,«,Ü,·□B  
□@,Ü,½,»,ìĀǎfj□[f]f<fL□[,Á'í'đ□^—□,ª^ø,«'±,«Āep'±,Á,«,Ü,·□B  
□@CTRL+Q B fL□[,Á'í'đ"í'í,ìš)Žn"\_,Æ□|—¹"\_,đŠÈ'P,É<t"]  
,Á,«,Ü,·,ì,ÁŽv,Á,½'È,è,ì"í'í,ªŠÈ'P,É'í'đ,Á,«,Ü,·□B

□œf}fEfX,Á,ì'í'đ"í'í,ì•¶Žš—ñ,lfhf%ofbfO□•fhf□fbfv□B  
□@•¶Žšuf□fbfN,Ü,½,í□sfuf□fbfN,Á,ì'í'đ"í'í,ì•¶Žš—  
ñ,đf}fEfX'€̀ì,ÁŠÈ'P,É^Ú"® ,Ü,½,ífRfs□[,Á,«,Ü,·□B  
□@'í'đ"í'í"à,Éf}fEfX,đ"® ,©,μ□¶,lf{f^f",đfNfŠfbfN,μf{f^f",đ  
%oÿ,μ,½,Ü,Ü^Ú"® ,Ü,½,ífRfs□[,μ,½,ç^È'u,Ü,Áf}fEfX,đ^Ú"® ,μ,Ä,»,±  
,Áf{f^f",đ—£,·,Æ'í'đ"í'í,ì•¶Žš—ñ,đ,»,±,Ö^Ú"® ,μ,Ü,·□B  
□@CTRL fL□[,đ%oÿ,μ,Äf{f^f",đ—£,·,Æ^Ú"® ,Á,í,È,fRfs□[,Æ,È,è,Ü,·□B  
□@,l,lfGfffBf^"à,ì¼,lfEfCf"fhfE,Ö,àhf□fbfv,·,é,±,Æ,ª□o—^,Ü,·□B  
□@f}fEfX,Á'í'đ"í'í,ì•¶Žš—ñ,đfhf  
%ofbfO,μ,½,Ü,Ü•È,lfEfCf"fhfE,ì□ă,Ö^Ú"® ,·,é,Æ,»,lfEfCf"fhfE,ªfAfNfefBfu,É,È,  
è,Ü,·,ì,Á,»,±,Áfhf□fbfv,μ,Ä%oº,³,ç□B  
□@,È,~"oop"ú□uŽž-|—ó,ì□ì<Æ't,í,»,¿,ç,ª—D□æ,μ,Ü,·,ì,Á•¶Žš—ñ,lfhf  
%ofbfO□•fhf□fbfv,í,Á,«,Ü,¹,ñ□B%op"ú□uŽž-|—ó<@"\,í OFF ,É,μ,Ä%oº,³,ç□B

□œf□[fgfCf"fff"fg,Á^êŽž"l,Éf□[fgfCf"fff"fg,μ,È,ç,Á%oü□s,μ,½,ç□ê□#,í  
□@f□[fgfCf"fff"fgf,□[fh,Á•¶Žš,đ"ü—í't,É^êŽž"l,Éf□[fgfCf"fff"fg,μ,È,ç,Á  
%oü□s,μ,½,çŽž,ª ,è,Ü,·,ª□A,»,x,ç,xŽž,í[SHIFT]fL□[ ,đ%oÿ,μ,Ä[RETURN]fL□[,đ  
%oÿ,·□i[SHIFT]+[RETURN]□j,±,Æ,Á^êŽž"l,ÉfCf"fff"fg-³,μ,Á%oü□s,·,é,±  
,Æ,ª,Á,«,Ü,·□B  
,È,~□A,±,ì<@"\,đ—~—p,·,é,½,β,É,í□A[•Ž!□Y'è]->[•Ò□Wf,□[fh,P]-  
>[f□[fgfCf"fff"fg]->[[Shift]•¹—p,Á^êŽž%oñ"đ,·,é] ,đf`fFfbfN,μ,Ä," ,•K—  
v,ª ,è,Ü,·□B

□œfefLfXfg,ì,·,x,Ä,Á,í,È,, ,é•"•ª,¾, ,đftf@fCf<,Æ,μ,Ä•Û'¶,μ,½,ç□ê□#,ª—  
L,è,Ü,·□B  
□@,»,x,ç  
,ª□ê□#,í•Û'¶,μ,½,ç•"•ª,đ•¶Žš'P^È,©□s'P^È,lf,□[fh,Á"í'í'í'đ,μ,Ä□Aftf@fCf<f□fj  
...□[,ì[-¼'O,đ•t,·,Ä•Û'¶],đŽÄ□s,³,è,Ü,·,Æ•Û'¶,·,éftf@fCf<-¼,đ•,ç  
,Á,«,Ü,·,ì,Á□A"C^Ó,lf tf@fCf<-¼,Á'í'đ,μ,½"í'í"à,ì,Ý,đ•Û'¶,·,é,±,Æ,ª,Á,«,Ü,·□B

☐œ'f☐,Œÿ☐ö,ð☐s,ç,½,ç☐ê☐#☐A,ç,¿,ç,¿Œÿ☐öf\_fçfA☐fO,ðšJ,,ì,ª-Ê"☐,È,Æ,«,ª, ,è,Ü,·☐B

☐@,»,,ç,ç,Æ,«,ìŒÿ☐ö,μ,½,ç•ŕžš-ñ,ì☐ã,Öf☐[ff<fL☐[ ,ð,à,Á,Ä,ç,« CTRL+ LfL☐[ ,Åf☐[ff<^Ê'u,ì•ŕžš-ñ,ðŒÿ☐ö•ŕžš-ñ,Æ,μ,Äžæ"¾,Å,«,Ü,·☐B

☐@,Ü,½"í^í,ð'í'ð,μ,Ä,ì CTRL+ LfL☐[ ,Å'í'ð"í^í,ì•ŕžš-ñ,ðŒÿ☐ö•ŕžš-ñ,Æ,μ,Äžæ"¾,Å,«,Ü,·☐B

☐@,»,,ìŒÿ F4.

F5fL☐[ ,Å☐A'O•û☐i☐«☐jŒÿ•û☐i☐ª☐j•ûŒÿ,ìŒÿ☐ö,ª,·,® ,ÉžÀ☐s,Å,«,Ü,·☐B

☐œfL☐[f{☐[fh,Å'í'ð^☐-☐,ð,,±,È,ç☐ê☐#☐A,Ü,, F6fL☐[ ,© CTRL+

BfL☐[ ,Å'í'ðf,☐[fh,Ö,í,ç,è-î^ófL☐[ ,Å'í'ð^☐-☐,ð,,±,È,ç,Ü,·,ª☐ASHIFTfL☐[ ,ð %oÿ,μ,Ä-î^ófL☐[ ,ð%oÿ,·,Æ,ç,«,È,è'í'ðf,☐[fh,Ö,í,ç,è'í'ð^☐-☐,ð,,±,È,ç,± ,Æ,ª,Å,«,Ü,·☐B

☐@,±,ì☐ê☐#☐ASHIFT fL☐[ ,ð-f,μ,Ä,ç,,é,©,ì-î^ófL☐[ ,ð %oÿ,·,Æž"©"®"ì,É'í'ðf,☐[fh,í%oð☐œ,³,è,Ü,·☐B

☐@SHIFT + END fL☐[ ,Å☐s-- ,Ü,Å,ì'í'ð☐ASHIFT + HOME fL☐[ ,Å☐s"ª,Ü,Å,ì'í'ð

☐@SHIFT + CTRL + END fL☐[ ,Å•ŕ-- ,Ü,Å,ì'í'ð☐ASHIFT + CTRL + HOME fL☐[ ,Å•ŕ,ì☐æ"ª,Ü,Å,ì'í'ð,ð,,±,È,ç,±,Æ,ª,Å,«,Ü,·☐B

☐@,Ü,½,ç,«,È,è☐@SHIFT + END fL☐[ ,Å☐s-- ,Ü,Å,ì'í'ð☐ASHIFT + HOME fL☐[ ,Å☐s"ª,Ü,Å,ì'í'ð,ð,,±,È,ç,±,Æ,ª,Å,«,Ü,·☐B

☐œ SHIFT fL☐[ ,ð%oÿ,μ,Äf}fEfX,ðfNfšfbfN ,·,é,Æf☐[f\

f<^Ê'u,©,çf}fEfX,ðfNfšfbfN,μ,½^Ê'u,Ü,Å,ì"í^í,ð•ŕžš'P^Ê,Å'í'ð,Å,«,Ü,·☐B☐s"Ô☐ t,ì☐ã,ðfNfšfbfN,·,é,Æ☐s'P^Ê,Å'í'ð,Å,«,Ü,·☐B

☐@,Ü,½☐s"Ô☐t,ð•ž!,μ,Ä,ç

,é,Æ,«,É☐s"Ô☐t,ðf}fEfX,ÅfNfšfbfN,·,é,Æ,»,ì☐s,ð,P☐s"í^í'í'ð,Å,«,Ü,·☐B

☐@,Ü,½f}fEfX,ð%oÿ,μ,½,Ü,Ü☐s"Ô☐t,ì☐ã,ð^Ú"®,·,é,Æ☐s'P^Ê,Å'í^í'í'ð,Å,«,Ü,·☐B

☐œf}fEfX,Å,ì"í^í'í'ð,í•ŕžš'P^Ê,ìf,☐[fh,ÄžÀ☐s,³,è,Ü,·,ª☐Af}fEfX,Å☐s'P^Ê,ì"í^í'í'ð,ð,

μ,½,ç☐ê☐# ,ª, ,è,Ü,·☐B,±,ç,ç,çžž,ì☐Af}fEfX,Å,ì'í'ðžÀ☐s't(☐ŕf}fEfXf{f^f",ª %oÿ,³,è,Ä,ç,é☐ó'Ô),É☐A%oEf}fEfXf{f^f",ð

%oÿ,³,è,é,Æ☐užž,Éf,☐[fh,ì☐Ø,è'Ö,!,ª,Å,«,Ü,·☐B

☐@f,☐[fh,í•ŕžš'P^Ê☐A☐s'P^Ê☐A<éŒ`P^Ê,ì,Rf,☐[fh,ª☐# "Ô,É☐Ø,è'Ö,í,è,Ü,·☐B

☐@f}fEfX,Å,ì"í^í'í'ð,ªš®—¹,μ,Ä,ç,é(☐ŕf}fEfXf{f^f",ª-f,³,è,Ä,ç

,é☐ó'Ô)☐ê☐# ,ì☐AfL☐[f{☐[fh,ì☐ã%o,ì-î^ófL☐[ ,Å☐s'P^Ê,ìf,☐[fh,Ö☐A☐ŕ%oE,ì-î^ófL☐[ ,Å•ŕžš'P^Ê,ìf,☐[fh,Ö•î☐X,·,é,±,Æ,ª,Å,«,Ü,·☐B

☐œ-î^ófl☐☐i☐ª☐E☐☐◀☐E☐☐©☐E☐☐j,Á☒Er☐ü,ð^ø,☐A☐Á,·<@“\  
☐@☐ã%º☐☐¶%ºE,ì-î^ófl☐,ì“®,<,É%º^,Á,ÄŽ©☐Ý,É☒Er☐ü,ð^ø,☐  
 ,½,è☐Á,µ,½,è,Á,«,Ü,·☐B  
☐@“Á’¥,Æ,µ,Ä☐A☒EfL☒Xfg,ì☐æ“ª,©,ç☐ã(☐ª)  
 ,Ö☒Eü,©,Á,Ä☐A,Ü,½☒EfL☒Xfg,ì☐Á☒Eã[EOF],©,ç%ºº(☐«)  
 ,Ö,p,©,Á,ÄŽ©☐Ý,É☒Er☐ü,ð^ø,Ž-,ª,Á,«,Ü,·☐B  
☐@☐m,» ,ì¼☐n->☐m☒Er☐ü☐☐}f,☐[fh☐n,ð [ON] ,É,µ,Ä CTRL + -î^ófl☐[ ,Á-  
 î^ófl☐[ ,ì“®,☐,½•û☒Eü,Ö☒Er☐ü,ª^ø,¯,Ü,·☐B☒Er☐üã,Á SHIFT + -  
 î^ófl☐[ ,Á☒Er☐ü,ð☐Á,·Ž-,ª,Á,«,Ü,·☐B  
☐@☒Er☐ü,ìŽí-þ,ì•ï☐X,í☐m☒Er☐ü,ð¾☐ü,ÁON.OFF☐n,Á☐s,Á,Ä%ºº,³,☐☐B  
☐@[ON] ,È,ç¾☐ü☐A[OFF] ,È,ç☐×☐ü,Æ,È,è,Ü,·☐B  
☐@☐V<Kftf@fCf<,ðŠ],☐,Ä CTRL fL☐[ ,ð%ºŸ,µ,Ä -î^ófl☐[ ,ð“K”-,É%ºŸ,µ,Ä,à,ç,꜠  
 ,Æ☒Er☐ü,ð^ø,Š’Šo,í,·,® ,É%ºð,Á,Ä,à,ç,|,é,ÆŽv,☐,Ü,·☐B

☐œWindows95 ,ìkN“® ,Æ“~Žž,É,l,l,đf^fXfNfgf☒EfC,ì’t,É☐í“ ,³,¹,½,☐☐ê☐# ,í  
☐@ ,l,l,đfXf^☐[fgfAfbfv,ìftfHf<f\_ ,ì’t,Ö“o~^ ,µ,Ä☐mŠÁ<«☐Ý’è☐n-  
 >☐m☒EfL☒XfgfEfCf“fhfE,ì’®☐◀☐n->☐m,l,l,đfAfCfRf“%º»,µ,ÄŽÀ☐s,·,é☐n,ð [ON]  
 ,É,µ,Ä%ºº,³,☐☐B  
☐@ ,» ,꜠,·,é,Æ☐AWindows95 ,ìkN“® ,Æ“~Žž,É,l,l,íf^fXfNfgf☒EfC,ì’t,É☐í“ ,µ,Ü,·☐B

☐œ,☐,·,Á,© ,ì☒EfL☒Xfgftf@fCf<,ðŠ],☐  
 ,Ä,ì•Ò☐W’t,É•Ò☐W’í☐Úftf@fCf<,ð•p“É,É☐Ø,è‘Ö ,l,é,Æ,« ,í CTRL+  
 F6fL☐[ ,ð,“Žg,☐,·,¾,³,☐☐B  
☐@fAfN☒EfBfu,È☒EfL☒XfgfEfCf“fhfE,ªžŸ☐X,Æ☐Ø,è‘Ö ,í,è,Ü,·☐B  
☐@☒EfL☒XfgfEfCf“fhfE,ð☐Á’â%º»,µ,ÄŽg—p,³,é,Ä,☐  
 ,é☐ê☐#☐A¼ ,ì☒EfL☒XfgfEfCf“fhfE,ª%ºº,É%ºB,è,Ä☒E© ,l,È,☐,Æ,« ,È,Ç“Á,É•Ö—  
 ~,Á,·☐B  
☐@ ,±,é,í,l,c,hfAfvfŠ ,ªž☐,Á,Ä,☐,é•W☐€,ì<@“\ ,Á,·☐B

□@fgf%ofuf<,Æ,»,ì'í□ô,É,Â,ç,Ä

,±,±,Å,í□A,Ý,È,<sup>3</sup>,ñ,æ,èšñ,<sup>1</sup>,ç,ê,<sup>1/2</sup>fgf%ofuf<,Æ,»,ì'í□ô,É,Â,ç,Ä□à<sup>-3/4</sup>,μ,Ü,·□B

-â□@,P□Df}fEfXfj□[f]f<,ÅCE»□Ý□s,ð•ï□X,μ,<sup>1/2</sup>□ê□#□A,»,ì□s,Öfj□[f]f  
f<,¾,¯,ª^Ú“® ,μ,ÄCE»□Ý□s,ðŽ!,·\Ž!□F•ï%» ,ª<N,±,ç,È,ç,±,Æ,ª ,è,Ü,·□B

“š□@□@□@,±,ìCE»□Û,í}fEfXfj□[f]f<f{f^f“,ð  
%oÿ,μ,ÄCE»□Ý□s,ð•ï□X,μ,<sup>1/2</sup>CEã□Af{f^f“,ð—£,·O,Éf}fEfXfj□[f]f<,ì^Ê'u,ª  
—x,ì•¶Žš,Ö^Ú“® ,μ,»,±,Åf{f^f“,ª—£  
,<sup>3</sup>,ê,<sup>1/2</sup>,<sup>1/2</sup>,<sup>1/2</sup>,ß,É□mf}fEfX,Å,ì"í'í'í'ðŽÀŽ{‘t□n,ìf,□[fh,É,í,ç,è□A,ç  
,Á,<sup>1/2</sup>,ñ□mfj□[f]f  
f<□s•¶Žš□F□n,É,È,Á,<sup>1/2</sup>CE»□Ý□s,ª□m•¶Žš□F□n,Æ“¯,¶□F,É,È,é,<sup>1/2</sup>,ß,É<N,  
±,è,Ü,·□B

□@□@□@□@,Â,Ü,è<sup>-3</sup>^ÓŽ¯,ì,x  
,ç,É□mf}fEfX,Å,ì"í'í'í'ð□n,ªŽÀ□s,<sup>3</sup>,ê,Ä□mf}fEfX,Å,ì"í'í'í'ðŽÀŽ{‘t□n,ìf,□  
[fh,É,í,ç,Á,Ä,μ,Ü,Á,<sup>1/2</sup>-ó,Å,·□B

□@□@□@□@□@;□m"í'í'í'ðŽÀŽ{‘t□n,íŽ©“®“l,É□mfj□[f]f  
f<□s•¶Žš□F□n,à□m•¶Žš□F□n,Æ“¯,¶□F,É,È,è,Ü,·□B

□@□@□@□@□@f}fEfXf{f^f“,ª—£,<sup>3</sup>,<sup>1/2</sup>,Æ,«,ì•¶Žš^Ê'u,ª  
%oÿ,<sup>3</sup>,ê,<sup>1/2</sup>,Æ,«,ì•¶Žš^Ê'u,Æ^á,x□ê□# ,É,±,ìCE»□Û,í"□¶,μ,Ü,·□B

□@□@□@□@□@f}fEfXf{f^f“,ð—£,<sup>3</sup>,ê,é,Æ,«,Éf}fEfX,ª“® ,©,È,ç,æ,x  
,É<C,ð,Â,¯,ç,ê,Ä,ç,é,Æ,±,ìCE»□Û,í"□¶,μ,Ü,<sup>1</sup>,ñ□B

□@□@□@□@□@"□¶,μ,<sup>1/2</sup>,Æ,«,É,í□m"í'í'í'ðŽÀŽ{‘t□n,É,í,ç,Á,Ä,μ,Ü,Á,<sup>1/2</sup>-ó,Å,·,©,ç  
F6fL□[ ,©f}fEfXfj□[f]f<f{f^f“,ð%oÿ,μ,Ä□m"í'í'í'ðŽÀŽ{‘t□n,ð  
%oð□œ,μ,Ä,â,ê,ì□ACE»□Ý□s,í□mfj□[f]f<□s•¶Žš□F□n,Å,«,ç,ñ,Æ•\  
Ž!,<sup>3</sup>,ê,Ü,·□B

-â□@,Q□D,l,lfGfffBf^95 ,ª<N“®□o—^,È,ç□B

□@□@□@□@□@□u%o¼'zf□f,š,ìšm•Û,ª□o—^,Ü,<sup>1</sup>,ñ□B□l—<sup>1</sup>,μ,Ü,·□B□v

□@□@□@□@□@,ÆfGf%o□[f]f□bfZ□[f]W,ª•\Ž!,<sup>3</sup>,ê□A<N“®□o—^,Ü,<sup>1</sup>,ñ,Å,μ,<sup>1/2</sup>□B

“š□@□@□@□@,±,ìGf%o□[ ,í□ì<Æ—p,ìfGfšfA□if□f,š□j,ªšm•Û,Å,«,È,ç,©□Afef“f]f  
%ofš□[ftf@fCf<,ª□ì□¬,Å,«,È,ç,Æ,«,É“□¶,μ,Ü,·□BfGf%o□[ ,ìŽí•Ê,í•\Ž!,<sup>3</sup>,ê,é

ERRNO.,Á,í,©,è,Û,·□B

□@□@□@□@□@□@EERRNO. = 1

□@□@□@□@□@fef“fjf%ofŠ□[ftf@fCf<,ì□ì□¬,ÉŽ,”s□B

□@□@□@□@□@,Ù,Æ,ñ,Ç,Í,±,ìfGf%oo□[,,¾,ë,α,ÆŽv,ç,Û,·□B

□@□@□@□@□@fef“fjf%ofŠ□[ftf@fCf<,ì□ì□¬,đŠmŽĀ,É□s,α,½,β,É,Í “®□ìŠĀ<<,É,Ā,ç  
Ā,ì□€,đ,<sup>2</sup>—%oo<sup>2,3</sup>,ç□B

□@□@□@□@□@□@EERRNO. = 2

□@□@□@□@□@ŠÇ—□fe□[fuf<,ìŠm•Ů,<sup>a</sup>Ā,«,È,ç□B

□@□@□@□@□@Šm•Ů,·,éfGfŠfA,Í,í,,©,Q,jfofCfG,Ā,·,ì,Ā,±,ìfGf%oo□[,,<sup>a</sup>Ā,é,±,Æ,Í,È,ç  
,ÆŽv,ç,Û,·,<sup>a</sup>□A”□¶,μ,½,ç<sup>¼</sup>,ìfAfvfŠ,đ□I—

<sup>1,3,1</sup>,é“™,μ,Ā<ó,«f□f,fŠfGfŠfA,đ□ì,Á,Ā,,¾,¾,¾,ç□B

□@□@□@□@□@□@EERRNO. = 3

□@□@□@□@□@ff□[f^fGfŠfA,ìŠm•Ů,<sup>a</sup>Ā,«,È,ç□B

□@□@□@□@□@□@mf□[f^fGfŠfA,Æ,μ,ĀŽg—p,·,éf□f,fŠ—

Ê□n,Ā□Ý’è,μ,½fGfŠfA,đŠm•Ů,μ,Û,·,<sup>a</sup>□AfGfŠfA,<sup>a</sup>È,ç□ê□‡,ÍŠm•Ů,Ā,«,é,  
¾,¯,μ,©Šm•Ů,μ,Û,<sup>1</sup>,ñ,ì,Ā□i□Ā’á,**R,Q,j,Í•K—v□j,±,ìfGf%oo□[,,<sup>a</sup>Ā,é,±,  
,Æ,Í,È,ç,ÆŽv,ç,Û,·,<sup>a</sup>□A”□¶,μ,½,ç<sup>¼</sup>,ìfAfvfŠ,đ□I—  
<sup>1,3,1</sup>,é“™,μ,Ā<ó,«f□f,fŠfGfŠfA,đ□ì,Á,Ā,,¾,¾,¾,ç□B**

Ⓜ@fCf“fXfgⓂlf<ⓂAfAf“fCf“fXfgⓂlf<

ⓂifCf“fXfgⓂlf<

Ⓜ@ftf@fCf<,í^³Ⓜk,³,ê,Ä,ç,Ü,·,ì,ÅⓂALHA.EXE ,È,Ç,ðŽg,Á,Ä“WŠJ,μ,Ä%º,³,çⓂB

Ⓜ@C:>LHA X MM95\*\*\*.LZH

Ⓜ@“WŠJ,·,é,Æ%º<L,ìftf@fCf<,ª%ºð“€ ,³,ê,Ü,·ⓂB

Ⓜ@ⓂE%º<L,ìftf@fCf<,ì,κ,¿ (1),©,ç(6),Ü,Å,í“^,¶ftfHf<f\_,É, ,é•K—v,ª, ,è,Ü,·ⓂB

Ⓜ@,Å,« ,ê,î ,l,lfGfffBf^95 Ⓜê—p,ìftfHf<f\_,ðⓂì,Á,Ä ,» ,±

,É,· ,x,Ä,ìftf@fCf<,ð“ü,ê,ÄŽg—p,³,ê,é,±,Æ,ð,“ ‘E,ß,μ,Ü,·ⓂB

Ⓜ@ⓂEftf@fCf<,ìfCf“fXfgⓂlf<,ªⓂl,í,è,Ü,μ,½,çⓂAfCf“fXfgⓂlf<,μ,½ftf@fCf<,ÉŠÜ,Ü,ê,

Ä,ç,é MmSetup.exe ,ð<N“ ®,μ,ÄfAf“fCf“fXfgⓂlf<Ⓜî•ñ,ì•Û‘¶ ,ðⓂs,Á,Ä

%º,³,çⓂB,l,lfGfffBf^95 ,ðCEp‘±,μ,Ä,²Žg—

p,ÅⓂA,·,Å,ÉfAf“fCf“fXfgⓂlf<Ⓜî•ñ,ì•Û‘¶,ðⓂs,í,ê,Ä,ç,éⓂêⓂ‡,í%ºü,ß,ÄⓂs,κ•K—v,í, ,

è,Ü,¹,ñⓂB

Ⓜ@ⓂE,±,ìⓂì<Æ,ðⓂs,κ,±,Æ,É,æ,è,l,l,ìfAf“fCf“fXfgⓂlf<,ª Win,X,T,ì

fRf“fgfⓂⓂlf<fpfjf<,ìⓂufAfvfŠšPⓂⓂfVf‡f“,ì'Ç%ºÁ,ÆⓂíⓂœⓂv,ÅŠÈ'P,É,Å,« ,é,æ,κ

,É,È,è,Ü,·ⓂB

Ⓜ@ⓂEMmSetup.exe ,Å,í,» ,ì¹⁄₄,É

ŠeŽí,ìfVf‡ⓂⓂfGfJfBfg,ìⓂìⓂ~ⓂAfCEfwfXfgfŠšffⓂⓂf^,ìfCf“fXfgⓂlf<ⓂAⓂÁ<Ž,ð,“ ,±

,È,κ,±,Æ,ª,Å,« ,Ü,·ⓂB

ⓂifAf“fCf“fXfgⓂlf<

Win,X,T,ì fRf“fgfⓂⓂlf<fpfjf<,ìⓂufAfvfŠšPⓂⓂfVf‡f“,ì'Ç

%ºÁ,ÆⓂíⓂœⓂv,ÅⓂuMmEditor 95Ⓜv,ð'l'ð,μ,Ä 'Ç%ºÁ,ÆⓂíⓂœ

,ÅŠÈ'P,É,l,l,ðfAf“fCf“fXfgⓂlf<,Å,« ,Ü,·ⓂB

Ⓜ@fAf“fCf“fXfgⓂlf<,Å,ìfCf“fXfgⓂlf<,μ,½ftf@fCf<,ìⓂíⓂœ,Æ,l,ìŠÖ~A,ìfCEfwfXfgfŠšffⓂⓂ

f^,ìⓂÁ<Ž,ð,“ ,±,È,ç,Ü,·ⓂB

Ⓜ@,l,lfGfffBf^95 ,ð<N“ ®,μ,½,ç ,Ü,·fwf<fv,ð'Ê,μ,Ä“Ç,ñ,Å %º,³,çⓂB



□i fGfNfXfvf□□[f%o,Å,ìftf@fCf<,ìŠÖ~A•t,~

□@fGfNfXfvf□□[f%o

,æ,èftf@fCf<,ðf\_fuf<fNfŠfbfN,μ,Ä<N“® ,·,é□ê□#□Aftf@fCf<f^fCfv,Æ,ìŠÖ~A•t,~,ª  
•K—v,Å,·,ª,±,ì□ê□#ŠÖ~A•t,~,Åftf@fCf<-¼,ð%oº<L,ì,æ,κ  
Éf\_fuf<fNfH□[fe□[fVf#f“ (“),Å^í,p,æ,κ,É□Y’è,³,è,Ä%oº,³,ç□B

□@□œftf@fCf<,ìŠÖ~A,Ã,~,ìžè□# (“TXT ftf@fCf<”,ì□ê□#)

□@fGfNfXfvf□□[f%o,ì [•\Ž!]-[f!fVfVf#f“] f□fj...□[Åf!fVfVf#f“f\_fCfAf□fO,ðŠ],«□A  
"ftf@fCf<f^fCfv" f^fu,ð'!,Ô□B

□@f^fCfv,ì^è—,©,ç "TXT ftf@fCf<" ,ð'!,Ñ□A□y•Ò□W□zf{f^f“,ð%oÿ,·□B

□@ ,³,ç,É□A□y•Ò□W□zf{f^f“,ð%oÿ,μ□A•Ò□W,·,éfAfvfŠfP□[fVf#f“,ì "open" ,É  
"mmeditor.exe" ,ð Žw’è,·,é□B

□@,±,±,Å□A□w"%1"□x ,ð-Y,è,,É^ø□",ÉŽw’è,μ,Ä,,□B

□@□@□@ [ —á ] "c:\mm95\mmeditor.exe" "%1"

□@,±,è,í"¼Šp<ó",ª□-,¶,Á,½•;□"ftf@fCf<,ìfVf#□[fjfbfg,Ö,ìfhf%ofbfO&fhf□fbfv,ìí  
%ož,ì,½,ß,É,±,κ,È,Á,Ä,ç,Ü,·□B,±,κ,μ,Ä,,©,È,ç

,Æ"¼Šp<ó",ª□-,¶,Á,½ftf@f<f\_-¼,âftf@fCf<-¼,ì□ê□#□AfGfNfXfvf□□[f%o  
,æ,èftf@fCf<,ðf\_fuf<fNfŠfbfN,μ,Ä<N“® ,Å,«,Ü,¹,ñ□B

□@,l,r□^,c,n,r□A,v,h,m,c,n,v,r,ìfRf}f“fhf

%ofCf“,æ,è"¼Šp<ó",ª□-,¶,Á,½ftf@fCf<-¼,ðŽw’è,μ,Ä□@,l,lfGfffBf^95  
,ð<N“® ,·,é□ê□#,à“—l,Å,·□B

□@□@□@ [ —á ] c:\>mmeditor "read me please.txt"

□iŠÜ,Ü,è,éftf@fCf<

(1) **Readme.txt** ----- □i“Ç,ñ,Å,ç,é,±,ìftf@fCf<,Å,·□B

(2) **MmEditor.exe** ----- ,l,lfGfffBf^95 -{‘ì

(3) **MmSetup.exe** ----- ,l,lfZfbfgfAfbfvfVf□fOf%of€

fAf“fCf“fXfg□[f<,ì□Y’è□Afvf#□[fgfjfbfg□□-□AfCEfWfXfgfŠ•ÛŽç“™ ,ð□s,κfc□[f<,  
Å,·□B

(4) **MENUBAR.DLL**----- fc□[f<fo□[.ð•\Ž!,·,é,½,ß,ì,c,k,k

- fc[f<fo[fAfCfRf“ ,đ•\Ž! , ,é,½,ß,É•K—v,È,c,k,k,Å,·□B
- (5) **MM.HLP** ----- ,l,l,lfwf<fvftf@fCf<
- (6) **MMK.INI** ----- ,l,l,lfL[‘è<`ftf@fCf<
- (7) **BLOK CUT.MAC**----- □m<éCE`fuf□fbfN,ì□Ø,èŽæ,è□nf}fNf□
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- (11) **KEISEN.MAC** ----- □m□i•\□nf}fNf□
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- (14) **RENKETU.MAC**----- □m’i—Ž□®CE`□s,đ~ACE<□nf}fNf□
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- (17) **KAIGIC.SMP** ----- %oi<cŽº,Å,ì”CE¾,Ö,lfRf□f“fg,ì□Ž®CE©- {
- (18) **WINK.INI**----- Windows□€<,lfL[‘è<`ftf@fCf<  
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- (19) **VZK.INI**----- ,u,š•—fL[‘è<`ftf@fCf<  
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- (20) **MIK.INI** ----- ,l,h,e,d,r•—fL[‘è<`ftf@fCf<  
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- (21) **MMKEY.LST** ----- ,l,l,ì•W□€fL[‘è<` ,ìŽQ□Æ—pfŠfXfgftf@fCf<  
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- (22) **MM.INI** ----- Windows95 fCEfWfXfgfŠ□%Šú□Ý`èftf@fCf<  
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- (23) **MMSTD.DS1** ----- ,l,l•W□€,ì•\Ž!□Ý’è,ì□Ž®ftf@fCf<  
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(24) **MMDOS.DS1** ----- ,c,n,r•—,ì•\Ž!□Ý'è,ì□'Ž®ftf@fCf<  
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,bÆ¼ÆêŽ©'İ,İ•¶-@,â[]•¶,É,Â,ç,Ä,ÍAŽs"İ,İ,bÆ¼Æê,İ<³%È"™™ ,đ,²—, ,  
,¾,³,çB

ESef}fNf[]ftf@fCf<ŠÔ,Å<æ'Ê,ÉŽg,İ,é,İ,İ'â^æ•İ" ,ª,TÆÂ, ,è,Ü,·B  
[]@,±,İ•İ" ,Í,İ,İfGfffBf^95 ,İ<N" ® Žž,É,O,É[]%Šú%»»,³,è,Ü,·B

E,İ,İfGfffBf^95 ,İ[]ó'Ô,đ'm,é,½,ß,İ,R,SÆÂ,İ fVfXfef€•İ" ,ª, ,è,Ü,·B  
[]@fVfXfef€•İ" ,İ'İ,đ'¼[]Ú•İX,·,é,±,Æ,Í,Å,«,Ü,¹,ñB

Efvf[]Of%of€[][]—,İ,½,ß,İ,P,S,TÆÂ,İ fVfXfef€ŠÖ[]" ,ª, ,è,Ü,·B

E•İ" ,İÆ^,İŽÍ—P,Í,PfofCfg(8frfbfg)En,İ,f,^,[] ,Æ^[]A,SfofCfg(32frfbfg)En,İ,%  
,Ž,"Æ^[]AfJfCf" f^Æ^ ,Æ"z—ñÆ^,ªŽg—p,Å,«,Ü,·B  
[]@fJfCf" f^,İ"z—ñ,â'½ŽŸÆ³"z—ñ,àŽg—p[]o—^,Ü,·B  
E,% ,Ž,"Æ^,Í,SfofCfg(32frfbfg),İ'İ,đŽ[],ç,Ü,·,İ,Å  
[]@[]@-2,147,483,648 ,©,ç 2,147,483,647 ,Ü,Å,İ"Í'Í,İ'İ,đŽ[],Å,±,Æ,ª,Å,«,Ü,·B

E•İ" ,·,æ,ñŠÖ[]" ,İ-¼'O,İ"¼Šp,Å,Q,S•¶Žš,Ü,Å—LÆø,Å,·B

E•İ" ,İÆ^,İ'è<[]AŠÖ[]" ,İfvf[]fgf^fCfv[]éÆ¼,Í, ,è,Ü,¹,ñB

E•İ" ,İfOf[][]fOf<•İ" ,Æf[][]fJf<•İ"[]İŽ© "®•İ"[]j,İ,QŽÍ—P,ªŽg,İ,Ü,·B  
[]@,....,~," ,....,',Ž[]A," ,",[],"% ,f[]éÆ¼,Í, ,è,Ü,¹,ñB

EfRf"f}">% % ŽŽŽq[]AÆ^•İŠ•[]A," ,% ,š,....,[] ,†% % ŽŽŽq,İŽg,İ,Ü,¹,ñB

E," ,—,% ," ,f,^•¶[]A,.,.,.[]•¶[]A,†,[] ,'•¶[]A,f,[] ,Ž," ,% ,ž,•,....•¶[]A,‡,[] ,[]•¶,Í  
[]@Žg,İ,Ü,¹,ñB

□@fvf□fOf%of~f“fo,l'□^ó“\_

,l,lf}fNf□CE¾CEê,lf}fNf□CE¾CEê,Å,í, ,è,Ü,·,ª□A ,ê,Á,«,,Æ,μ,½,bCE¾CEê ,Å,·□B  
,bCE¾CEê,í,a,` ,r,h,bCE¾CEê,É”ä,x,í,é,©,É<-í,È%  
%oŽŽŽq,ð,à,¿□,‘- ,É“ ®□ì,μ,Ü,·,ª□A,» ,ì•ªŽg,ç•û,ðCEë,é,ÆŠÈ’P,ÉCEë“ ®□ì,μ,½,è,  
μ,Ü,·,ì,Å^È%oº,ì,±,Æ,É-^-^Ó,μ,Äfvf□fOf%of~f“fo,ð,μ,Ä%oº,³,ç□B  
,±,ê,í□A,l,lf}fNf□CE¾CEê,¾, -,Å,í,È,•□’É,ì,bCE¾CEê,lfvf□fOf%of~f“fo,É,à“-  
,Ä,í,Ü,è,Ü,·□B

□E”z-ñ,ì□éCE¾

□@”z-ñ,ðŽg,æ’O,É,í□éCE¾,ª•K-v,Å,·,ª□A•K, ,Žg-p,·,é,¾, -,ì”z-  
ñfGfŠfA,ðŠm•Û,μ,Ä  
%oº,³,ç□B□éCE¾,μ,½^È□ã,lfGfŠfA,Éff□[f^ ,ð□’,«□ž,ñ,Å,àCEx□□,í□o,Ü,¹,ñ,ª,±  
,ê,ªCEë“ ®□ì,ìCE³,É,È,è,Ü,·□B

□@-á,ì,î□Achar str[10]; ,Æ,μ,Ä,P,OfofCfg,ì”z-ñ,lfGfŠfA,ðŠm•Û,μ,Ä,“,ç,Ä  
□@□@□@□@□@Strcpy(str, "123456789012345"); ,Æ,·,é,Æ str  
,Ö,P,UfofCfg(15fofCfg+1fofCfg(fkf<•¶Žš)),ªfRfs□[ ,³,ê,Ü,·□B  
□@str ,lfGfŠfA,í,P,OfofCfg,μ,©,È,ç  
,ì,Å□ACEã,ì,UfofCfg,í•É,lfGfŠfA,É□’,«□ž,Ü,è,Ä,±,ê,ªCEë“ ®□ì,ìCE  
^^ö,Æ,È,è,Ü,·□B

□@,±,ì□é□# ,È,ç str ,lfGfŠfA,í□Å’á,P,UfofCfgŠm•Û,μ,Ä,“,•K-v,ª, ,è,Ü,·□B

□Ef|fCf“f^ ,í•K, ,l,ð-^ ,ì,Ä,©,çŽg,æ

□@□éCE¾,μ,½,¾, -,lf|fCf“f^ ,ð,ç,« ,È,èŽg,æ,ÆCEë“ ®□ì,ìCE³,Å,·□B

□@-á,ì,î□Achar \*pt; ,Æ,μ,Ä□éCE¾,μ,Ä,“,ç,Ä

□@□@□@□@□@Strcpy(pt, "12345"); ,Æ,·,é,Æ

fAfhfCEfX,ì’è,©,Å,È,çfGfŠfA,Öff□[f^ ,ª□’,«□ž,Ü,è,Ä,μ,Ü,ç,±,ê,ªCEë“ ®□ì,ìCE  
^^ö,Æ,È,è,Ü,·□B

□@f|fCf“f^ ,íŽg,æ’O,É pt = dest; pt = &dest[0]; “™ ,Æ•K, ,l,ð-^ ,ì,Ä,©,çŽg,Á,Ä  
%oº,³,ç□B

□E□E,è•Ô,μ,ì□^ -□,Å,í”², -,éŽè’i,ð□Ý, -,é

□@f}fNf□,Å,í□ACE,è•Ô,μ,ì□^ -□,ð,æ,□s,ç,Ü,·□B

□@-á,ì,îfefLfXfg,ì□æ“ª□s,©,ç□Å□□s,Ü,Å,Å□ðCE□,Éf}fbf` ,μ,½□s,É’í,μ,Ä

```

%0½, ©, ð, ¨, ±, È, x, Æ, ©, Å, ·B
@, ±, x, ç, xê±, ·, x, Ä, ðãžè, s, ¯, î-â'è-³, ç
, Å, ·, ðAê±, É, æ, Å, Ä, Í}fNf, ð³í, ÉI, í, ç, È, ç, Æ, ç, x, ±, Æ, ð, , è, Ü, ·B, à, ç, ë, ñfvf
fOf%of~f“fO, É%½, ç, ©, ð·s<i±, ð, , é, ð, Å, ·, ðA, » , ê, ÅI—¹o—^, È, ç, Æ, ç, x
, ð, Å, Í, Ü, , ç, ð, Å·K, , %½, ç, ©, ð·û-@, ÅI—¹o—^, é, æ, x, É, µ, Ä, ¨, «, Ü, ·B

```

```

@—á, î, î^È%º, ðê±, ÍA[ESC]fL[, ð%ÿ, ³, ê, é, ÆÆJ, è·Ô, µ^—, ð'tž~ , µ, Ü, ·B
while(1) // ÆJ, è·Ô, µ%½, ç, ©, ð^—, ð, ¨, ±, È, x
{
    KbHit(); // fL[, ð%ÿ, ³, ê, ½, ©, ðf`fFbfN
    if(Result == 0x1b) // [ESC], ð%ÿ, ³, ê, ½, ç't'f
        break;
    EEEEEE
    EEEEEE // %½, ç, ©, ð^—
}

```

```

EŠÈ'P, ÈfTf“fvf<f}fNf
, ±, ðf}fNf, ÍÆÿðð, ðs, È, ç, Ü, ·B
•ŕŽš—ñ, ð'í'íŽw'è, ³, ê, Ä, ç, È, çê±, Í ÅÆã, ÉÆÿðð, µ, ½Æÿðð•ŕŽš—ñ, ÅA
•ŕŽš—ñ, ð'í'íŽw'è, ³, ê, Ä, ç, éê±, Í , » , ð•ŕŽš—ñ, ðÆÿðð•ŕŽš—
ñ, Æ, µ, ÄfZfbfg, µ, Ä, ©, çÆÿðð, ðšžn, µ, Ü, ·B

```

```

main()
{
    char fstr[260], line[260];
    int len, spos, epos; // spos = 'l'ðšžn^ê'u. epos = I—¹^ê'u

    if(Block) // 'l'ðf, [fh, È, ç
    { // "í'íŽw'è, ³, ê, Ä, ç, é•ŕŽš—ñ, ðÆÿðð•ŕŽš—ñ, Æ, µ, Ä“¾, é
        if(Col > Selcolm)
        { // ±•ûÆü, ð'í'í'ð
            spos = Selcolm - 1;
            epos = Col - 2;
        }
        else
        { // <t•ûÆü, ð'í'í'ð
            spos = Col - 1;
        }
    }
}

```

```

    epos = Selcolm - 2;
}
Getline2(line); // Ā»Ÿs,ì“à—e,ð%œ-Ê,ìCf[]fW,Å line[] ,ÖŽæ“¾,·,é
    // ĀŸ•Źš—ñ,ð fstr[] ,ÖZfbfg
len = epos - spos + 1; // •Źš—ñ,ì'.³
if(len > 0 && len < 250) // ^ê%ž'.³,ðf`fFbfN,·,é
{
    Strncpy(fstr, &line[spos], len);
    SetFindS(fstr); // ĀŸ•Źš—ñ,ìZfbfg
    Select(0); // •K—v,Å, ,ê,îA'l'ðf,[]fh %ðœ
}
}
SetFind(0x0); // •K—v,Å, ,ê,îAĀŸ•Ÿftf%ofO,ìZfbfg
Find(); // ,ç,æ,ç,æ ĀŸ•ŸŠŽn !!
}

```

## “fVfXfef€•i”

Šef}fNf[]ftf@fCf<ŠÔ,Å<α'Ê,ÉŽg,l,é,l,l'â^æ•i”[]i,%o,Ž,”CE^[]j,a,TCEÂ, ,è,Ü,·[]B  
,±,ì,l,l'â^æ•i” ,í,l,lfgffBf^95 <N“ @Žž,É,O,É[]%oŠú%o» ,³,è,Ü,·[]B  
^È%oº,ª[]A,TCEÂ,ì,l,l'â^æ•i”[]i,%o,Ž,”CE^[]j,Å,·[]B

- EGlobal1
- EGlobal2
- EGlobal3
- EGlobal4
- EGlobal5

## ,l,l'â^æ•i” ,í

□m<éCE`fuf[]fbfN,ì[]Ø,èŽæ,è[]n□m<éCE`fuf[]fbfN,ìfRfs[][]n□m<éCE`fuf[]fbfN,ì' }“ü  
□n,ì

Šef}fNf[],l't,ÅŽg—p,μ,Ä,ç,Ü,·[]BŽQ[]l,É,μ,Ä,,¾,³,ç[]B

¼,ÉŽQ[]Æ,Å,« ,é^È%oº,ì[]A,R,SCEÂ,ì fVfXfef€•i” []i,%o,Ž,”CE^[]j,a, ,è,Ü,·[]B  
•i” ,íCE»[]Ý,ì'l,ð[]í,É•ÚŽ[],μ,Ä,ç,Ü,·,ì,Å,ç,Å,Å,àŽQ[]Æ,Å,« ,Ü,·[]B  
•i” ,ì'l,ð¼[]Ú•i[]X,·,é,±,Æ,í,Å,« ,Ü,¹,ñ[]B

- EXmax fff%of€•ûCEü,Ö,ìfj[][fj<,ª^Ú“ @,Å,« ,é[]Å'â^Ê'u  
fEfCf“fhfE,ì'â,« ,ª,ª•i,í,é,Æ•i,í,è,Ü,·
- EYmax □s•ûCEü,Ö,ìfj[][fj<,ª^Ú“ @,Å,« ,é[]Å'â^Ê'u  
fEfCf“fhfE,ì'â,« ,ª,ª•i,í,é,Æ•i,í,è,Ü,·
- EXpos •\Ž!ŠŽnfjff%of€^Ê'u[]i[]æ“ª,í,O[]j
- EXcsr fj[][fj<fjff%of€^Ê'u[]i[]æ“ª,í,O[]j
- EDXcsr •\Ž!fj[][fj<fjff%of€^Ê'u[]i[]æ“ª,í,O[]j[]<^Ž—fj[][fj<^Ê'u
- EYcsr fj[][fj<[]s^Ê'u[]i[]æ“ª,í,O[]j
- ECol •\Ž![]s[]æ“ª,©,ç,ìfjff%of€^Ê'u[]i[]æ“ª,í,P[]j
- ECol2 ~\_—[]s[]æ“ª,©,ç,ìfjff%of€^Ê'u[]i[]æ“ª,í,P[]j
- EDCol •\Ž!~\_—[]fjff%of€^Ê'u[]i[]æ“ª,í,P[]j[]<^Ž—fjff%of€^Ê'u
- ECecp fefLfXfg[]æ“ª,æ,è,ìCE»[]Ý^Ê'u[]i[]æ“ª,í,O[]j
- ELine CE»[]Ý,ì[]s^Ê'u[]i[]æ“ª[]s,í,P[]j
- ETotalline fefLfXfg'S'ì,ì[]s[]”
- ELinelen CE»[]Ý,ì•\Ž![]s,P[]s,ì'·,³[]i%oü[]s,íŠÜ,Ý,Ü,¹,ñ[]j



□ELinelen1      Ć»Ÿ,ì~\_—□□s,P□s,ì'·,³□i%ü□s,ÍŠÜ,Ý,Ü,¹,ñ□j  
 □EMargin      □Ü,è•Ô,μ•ŸŽš□"□i,P,O□[Q,T,O□j  
 □ETab      f^fu,ì•ŸŽš□"□i,Q□E,S□E,W□j  
 □ETIn      %œ-Êfgfbfv□s,É•Ž,³,ê,Ä,č,é□s,m,□□B  
 □EIns      fCf"ft□[fgf,□[fh□@,P□□,ñ,m□A,O□□,ñ,e,e  
 □EIndent      fCf"fff"fgf,□[fh□@,P□□,ñ,m□A,O□□,ñ,e,e  
 □ECurPsPos      "\,è•t,~Ćä,ìj□[f]f<^Ê'u  
                  ,O□□□œ"ª,ì,Ü,Ü□A,P□□□ĀĆä,Ö^Ú"®□□ECode  
                  fj□[f]f<^Ê'u,ì•ŸŽšfR□[fh  
 □EKcode      fj□[f]f<^Ê'u,ì•ŸŽší□@,P□□'Ššp□A,O□□"¼Šp  
 □ETcode      fj□[f]f<^Ê'u,ì•ŸŽšf^fCfv  
                  ,O□□,ñ,e□ifefLfXfg,ì□l,í,è□j  
                  ,P□□%ü□s  
                  ,Q□□00H - 20H□A'SŠpfXfy□[fX(8140H)  
                  ,R□□"¼Šp<L□t□A'SŠp<L□t(8141H - 8151H,815CH -  
                  824EH)  
                  ,S□□'Ššp,Đ,č,ª,È(829FH - 82F1H)  
                  ,T□□□ă<L^ÈŠO,ì'SŠp•ŸŽš  
                  ,U□□□ă<L^ÈŠO,ì"¼Šp•ŸŽš  
 □EBlock      Ć»Ÿ,ì'l'đf,□[fh  
                  ,O□□"ñfuf□fbfN□A□@,P□□□sfuf□fbfN  
                  ,Q□□•ŸŽšfuf□fbfN□A,R□□<éĆ`fuf□fbfN  
 □EResult      f}fNf□ŠÖ□",ì-ß,è'l  
 □ELinestat      Ć»Ÿ□s,ì•]□□z'l  
                  ,O□□%ü□s,Ā□l—¹,μ,Ä,č,é  
                  ,P□□%ü□s,Ā□l—¹,μ,Ä,č,È,č  
                  □l,P□□,ñ,d,n,e□s  
                  □l,Q□□,ñ,d,n,e□s,œ,è%œ,ì□s  
 □ESelcolm      'l'đŠJŽnfj%of€^Ê'u  
 □EIMEStatus      ,h,l,d,ì□ó'Ô  
                  ,O□□,ñ,e,e,ì□ó'Ô  
                  ,P□□,ñ,m□@,ì□ó'Ô  
 □EOpenFType      ftf@fCf<,đŠJ,,ĀŽg—p,·,éf\_fCfAf□fO,ìf^fCfv  
                  ,O□□frf...fA□[•t,«f\_fCfAf□fO  
                  ,P□□,X,T•W□€,ìf\_fCfAf□fO,ì□ó'Ô  
 □ESakuzu      Ćr□ü□□}f,□[fh  
                  ,P□□,ñ,m□A,O□□,ñ,e,e

□ESakuzuPen

☒Erüi},Å,ìErü,ì<sup>3/4,3</sup>  
,P<sup>3/4</sup>üA,Oxü

□EKeiHogo

☒Erü•ÛEif,[fh  
,P,n,mA,O,n,e,e

□ERealForm

fŠfAf<f^fCf€®E`  
,P,n,mA,O,n,e,e

□ERealKajou

fŠfAf<f^fCf€®E`,í%Óð',«,Ås,α  
,P,n,mA,O,n,e,e

## ␣@fvfxfef€ŠÖ␣”

^È%º␣A,P,S,VĈĀ,ì fvfxfef€ŠÖ␣” ,ª, ,è,Ü,·␣B

-ß,è'ì,ì, ,éŠÖ␣”,ì'ì,ìfvfxfef€•ì␣” Result ,ÖfZfbfg,<sup>3</sup>,è,Ü,·␣B

### ␣EĈÿ␣öĈEn

|               |                                 |
|---------------|---------------------------------|
| ␣@Find();     | ␣@Ĉÿ␣ö                          |
| ␣@FindNext(); | ␣@ŽŸ(␣«),öĈÿ␣ö                  |
| ␣@FindPrev(); | ␣@'O(␣ª),öĈÿ␣ö                  |
| ␣@Replace();  | ␣@'uŠ·                          |
| ␣@Top();      | ␣@fefLfXfg,ì␣æ“ª,Ö              |
| ␣@GoLine();   | ␣@fefLfXfg,ìŽw'è␣s,Ö            |
| ␣@GoCp();     | ␣@fefLfXfg,ìŽw'è,ì^Ê'u,Ö        |
| ␣@Bottom();   | ␣@fefLfXfg,ì␣ĀĈĀ,Ö              |
| ␣@Mark();     | ␣@fj␣[fƒ<^Ê'u,đf}␣[fN           |
| ␣@MarkJump(); | ␣@␣ĀĈĀ,Éf}␣[fN,μ,½fj␣[fƒ<^Ê'u,Ö |
| ␣@MarkNext(); | ␣@ŽŸ(␣«),ìf}␣[fN^Ê'u,Ö          |
| ␣@MarkPrev(); | ␣@'O(␣ª),ìf}␣[fN^Ê'u,Ö          |
| ␣@PrevCur();  | ␣@'¼'O,ìfj␣[fƒ<^Ê'u,Ö           |
| ␣@Parent();   | ␣@'î%ž,·,é ( )␣A[]␣A␣A<> ,Ö     |
| ␣@Taglamp();  | ␣@f^fOfWfff“fv                  |

### ␣EĈÿ␣öf,␣[fhĈEn

|               |                      |
|---------------|----------------------|
| ␣@SetFind();  | ␣@Ĉÿ␣öftfºfO,ìfZfbfg |
| ␣@SetFindS(); | ␣@Ĉÿ␣ö•¶Žš—ň,ìfZfbfg |
| ␣@SetRep();   | ␣@'uŠ·ftfºfO,ìfZfbfg |
| ␣@SetRepS();  | ␣@'uŠ·¶Žš—ňfZfbfg    |

### ␣Eƒj␣[fƒ<ĈEn

|               |                      |
|---------------|----------------------|
| ␣@Up();       | ␣@fj␣[fƒ<^Ú“ ®␣i␣ª␣j |
| ␣@Down();     | ␣@fj␣[fƒ<^Ú“ ®␣i␣«␣j |
| ␣@Left();     | ␣@fj␣[fƒ<^Ú“ ®␣i␣©␣j |
| ␣@Right();    | ␣@fj␣[fƒ<^Ú“ ®␣i␣”␣j |
| ␣@Backward(); | ␣@,PĈĕ␣¶,Ö           |
| ␣@Forward();  | ␣@,PĈĕ%ºE,Ö          |
| ␣@LDEdge();   | ␣@•\Ž!␣s“ª,Ö         |

@RDEdge(): @•\Ž!s--,Ö  
 @LEdge(): @~\_—s“a,Ö  
 @REdge(): @~\_—s--,Ö  
 @RollUp(): @fXfNf[f<fAfbfv  
 @RollDown(): @fXfNf[f<f\_fEf“  
 @PageUp(): @fy[fWfAfbfv  
 @PageDown(): @fy[fWf\_fEf“  
 @TopScr(): @%æ-Ê,ìǎ’[,Ö  
 @BotomScr(): @%æ-Ê,ì%o’[,Ö  
 @GoBlok(): @‘l’ðfuffbfN,ìæ“aAÅÆă,Ö

E•ÒWÆn

@InsMode(): @‘}“üf,[fh,ìØ,è’Ö,|  
 @Ret(): @fŠf^f“fL[  
 @Bs(): @,a,rfl[  
 @Del(): @,c,d,kfl[  
 @DelBWord(): @Æê,ìæ“a,Ü,Åíœ  
 @DelWord(): @Æê,ìl,í,è,Ü,Åíœ  
 @DelLine(): @,P[síœ  
 @DelBefor(): @s“a,Ü,Åíœ  
 @DelAfter(): @s--,Ü,Åíœ  
 @InsLine(): @,P[s’}“ü  
 @PopChr(): @íœ•Źš,ìœŠ^  
 @PopLn(): @íœ[s,ìœŠ^  
 @Tabs(): @f^fufL[  
 @ConvWord(): @,PÆêA’â^—•Źš•iš·  
 @Select1(): @s‘l’ðf,[fh  
 @Select2(): @<éÆ`‘l’ðf,[fh  
 @BlokCut(): @fuffbfNØ,èŽæ,è  
 @BlokCopy(): @fuffbfNfRfs[  
 @BlokPast(): @fvfbfN“\,è•t,¯  
 @BlokIns(): @fuffbfN’}“ü  
 @StackDel(): @fuffbfNfXf^fbfN,ìfefLfXfgíœ  
 @GetFindS(): @fj[f<^Ê’u,ì•Źš—ñ,ðÿö•Źš—ñ,Æ,μ,ĂŽæ“¾  
 @GetSelText(): @‘l’ð,³,ê,Ä,ç,é•Źš—ñ,ðŽæ“¾,μ,Ü,·  
 @Select(): @‘l’ðf,[fh,lfZfbfg  
 @Alndent(): @fl[f<fCf“fff“fg,ìØ,è’Ö,|

@@SetCurPsPos(): “\,è•t,¬Çã,ìj[]f[]f<^Ê'u ,O[]æ“ª,ì,Ü,Ü[]A,P[]ÅÇã,Ö^Ú”®  
@@DispOff(): []@%øæ-Ê"ň•\Ž!f,[]fh  
@@DispOff2(): []@%øæ-Ê"ň•\Ž!f,[]fh(fXfe[]f^fXfo[]Af<[]f  
%ø[][,Ö,à<ÖŽ~)  
@@DispOn(): []@%øæ-ÊÄ•\Ž!f,[]fh  
@@GotoX(): []@fj[]f[]f<,ð,~fff%øf€^Ê'u,Ö(•\Ž![]s,ì"í^í,Å)  
@@GotoX2(): []@fj[]f[]f<,ð,~fff%øf€^Ê'u,Ö(~\_—[]s,ì"í^í,Å)  
@@GotoY(): []@fj[]f[]f<,ð,™[]s-Ú,Ö  
@@SetSakuzu(): []@Çer[]ü[][]}f,[]fh,ì[]Ø'Ö,ì  
@@SetSakuzuPen(): []@Çer[]ü[][]},Å,ìÇer[]ü,ì³⁄₄,³,ì[]Ø'Ö,ì  
@@SetKeiHogo(): []@Çer[]ü•ÛÈì,ìON.OFF  
@@SetRealForm(): []@fŠfAf<f^fCf€[]®Çè,ìON.OFF  
@@SetRealKajou(): []@fŠfAf<f^fCf€[]®Çè,ì%øÓ[]ð',«,Å[]s,ª,ìON.OFF

EFNfŠfbfvf{[]fhÇEn

@@ClipCut(): []@fNfŠfbfvf{[]fh[]Ø,èŽæ,è  
@@ClipCopy(): []@fNfŠfbfvf{[]fhfRfs[]  
@@ClipPast(): []@fNfŠfbfvf{[]fh“\,è•t,¬  
@@Delete(): []@fefLfXfg,ìí[]æ  
@@GetClipTextLen(): []@fNfŠfbfvf{[]fh,ìfefLfXfg',ð“³⁄₄,é  
@@GetClipText(): []@fNfŠfbfvf{[]fh,ìfefLfXfg,ð“Ç,Ý[]ž,þ

E•¶Žš—ň'€[]ÇEn

@@PutSpace(): []@fj[]f[]f<^Ê'u,©,ç,~fff%øf€-Ú,Ü,Å,ðf^fu[]AfXfy[]fX,Å-  
„,ß,é  
@@PutStr(): []@•¶Žš—ň,ì[]o—í  
@@GetStr(): []@f\_fCfAf[]fO,ð•\Ž!,µ,Ä•¶Žš—ň,ð“ü—í  
@@GetStr2(): []@ffftfHf<fg“ü—í•¶Žš—ň,Åf\_fCfAf[]fO,ð•\Ž!,µ,Ä•¶Žš—  
ň,ð“ü—í  
@@PutChr(): []@•¶Žš,ì[]o—í[]AfRf}f“fhfL[],ìŽÀ[]s  
@@StrChr(): []@•¶Žš,ð•¶Žš—ň,æ,èÇÿ[]ð  
@@InKeyCmd(): []@•¶Žš[]A-“,ìfL[]fRf}f“fh,ì“ü—í  
@@InKeyChar(): []@[]\$Çä•¶Žš,ðŠÜ,þ•¶Žš,ì“ü—í

E<éÇ`fuf[]fbfNÇEn

@@KBCut(): []@<éÇ`fuf[]fbfN[]Ø,èŽæ,è  
@@KBCopy(): []@<éÇ`fuf[]fbfNfRfs[]

@KbIns();      @<éĚ`fufjbfN'}“ü

### Eft[fefBfŠfefB[CEn

@MacroEx();      @ŠO•”f}fNf,ìžÀ[s  
@Beep();      @fr[fv%o<sup>1</sup>,ìo—í  
@FPrint();      @‘Ž®•t,«•ŕŽš—ňo—í  
@GetDate();      @“ú•t,ìžæ“<sup>3/4</sup>  
@GetWeek();      @—j“ú,ìžæ“<sup>3/4</sup>  
@GetTime();      @Žž,ìžæ“<sup>3/4</sup>  
@KbHit();      @fL[,<sup>a</sup>%Ÿ,<sup>3</sup>,ê,<sup>1/2</sup>,©  
@Getline();      @Ě»Ÿ[s,ì“à—e,ìžæ“<sup>3/4</sup>  
@Getline2();      @%æ—Ê,lfCf[fW,ĀĚ»Ÿ[s,ì“à—e,ìžæ“<sup>3/4</sup>  
@GetFileName();      @•ÒW’tftf@fCf<-<sup>1/4</sup>,ìžæ“<sup>3/4</sup>  
@GetCurrentDirectory(); @fjfĚf“fgfffBfĚfNfgfŠ,ìžæ“<sup>3/4</sup>  
@LoadSdFile();      @•\Ž;Ÿ’è‘Ž®ftf@fCf<,ì“Çž,Ÿ  
@LoadPrFile();      @^óü‘Ž®ftf@fCf<,ì“Çž,Ÿ  
@SetCurrentDirectory(); @fjfĚf“fgfffBfĚfNfgfŠ,ì•ïX  
@SetIMEStatus();      @,h,l,d,ìó’Ô,ìžæ“<sup>3/4</sup>  
@SetOpenFType();      @ftf@fCf<,đŠJ,,lf\_fCfAfO,lfZfbfg  
@WinExec();      @ŠO•”,lfvfO%of€,đ<N“®,,é  
@Message();      @fjbfZ[fW,đ•\Ž!,.,é  
@Menu();      @fjff...[,đ•\Ž!,.,é  
@GetKeyState(); @“Á’è,lfL[,<sup>a</sup>%Ÿ,<sup>3</sup>,ê,Ä,č,é,©’<sup>2</sup>,x,é  
@ChangeMruNo();      @ftf@fCf<—š—đ,m,DD,đ•ïX,.,é  
@GetVersion();      @,l,l,lfO[fWf#”,ìžæ“<sup>3/4</sup>

### Eftf@fCfĚEn

@Open();      @ftf@fCf<,đŠJ,  
@Save();      @ftf@fCf<,đ•Ů’ŕ  
@Close();      @Šm”F,È,μ,Āftf@fCf<,đ•Ā,ŕ,é  
@CloseAs();      @Šm”F, ,è,Āftf@fCf<,đ•Ā,ŕ,é

### E,bf%ofCfuf%ofŠ•ŕŽš—ň‘€iEn

@Strcpy();      @•ŕŽš—ň,đRfs[,μ,Ů,  
@Strncpy();      @•ŕŽš—ň,đŽw’èfofCfg”fRfs[,μ,Ů,  
@Strcat();      @•ŕŽš—ň,đ~ĀĚ<,μ,Ů,  
@Strcmp();      @•ŕŽš—ň,đ”äŠr,μ,Ů,

□@Strcmpi(): □@•¶Žš—ň,đ"äŠr,μ,Ü,·  
 □@Strlen(): □@•¶Žš—ň,ì'·,<sup>3</sup>đ<sup>2</sup>,x,é  
 □@Atoi(): □@•¶Žš—ň,đ□"Žš,Ö•İŠ·,·,é  
 □@Itoa(): □@□"Žš,đ•¶Žš—ň,Ö•İŠ·,·,é  
 □@Memset(): □@f□f,fŠ,đŽw'è,ì•¶Žš,Å-,,,β,é  
 □@Strstr(): □@•¶Žš—ň,ì't,đŽw'è,ì•¶Žš—ň,ÅŒÿ□ö  
 □@Strstr(): □@•¶Žš—ň,ì't,đŽw'è,ì•¶Žš—ň,ÅŒÿ□ö

□EƒEƒCƒ"fhƒEƒYŒEn

□@SetWindowCascade(): □@ƒEƒCƒ"fhƒE,ìƒƒXƒP□[fh•\Ž!  
 □@SetWindowVTile(): □@ƒEƒCƒ"fhƒE,ì□cf^ƒCƒ<•\Ž!  
 □@SetWindowHTile(): □@ƒEƒCƒ"fhƒE,ì%o;ƒ^ƒCƒ<•\Ž!  
 □@NextWindow(): □@ŽŸ,ìƒEƒCƒ"fhƒE,Ö^Ú"®·,·,é  
 □@LoadLibrary(): □@,c,k,k,ìƒ□□[fh  
 □@FreeLibrary(): □@,c,k,k,ìŠJ•ú  
 □@SetWindowText(): □@ƒLƒƒƒvƒƒƒ"„Ö•¶Žš—ň,đ•\Ž!  
 □@GetWindowText(): □@ƒLƒƒƒvƒƒƒ"„É•\Ž!,<sup>3</sup>é,Ä,ƒ,é•¶Žš—ň,ìŽæ"<sup>3</sup>/<sub>4</sub>  
 □@MaxWindow(): □@ƒEƒCƒ"fhƒE,đ□Å'â%o»„μ,Ü,·  
 □@MinWindow(): □@ƒEƒCƒ"fhƒE,đ□Å□-%o»„μ,Ü,·  
 □@RestWindow(): □@ƒEƒCƒ"fhƒE,đŒ<sup>3</sup>,ì'â,«,<sup>3</sup>Ö-β,μ,Ü,·

□Eƒ\_fCƒEƒNƒgƒƒƒƒƒCƒ<,h□^,nŒEn

□@LOpen(): □@ƒƒƒƒƒCƒ<,đƒl□[ƒvƒ"„μ,Ü,·  
 □@LCreat(): □@ƒƒƒƒƒCƒ<,đ□ì□-„μ,Ü,·  
 □@LSeek(): □@ƒƒƒƒƒCƒ<"Œ,Ÿ□ž,Ÿ^Ê'u,ì□Ÿ'è  
 □@LClose(): □@ƒƒƒƒƒCƒ<,đ•Â,¶,Ü,·  
 □@LRead(): □@ƒƒƒƒƒCƒ<,æ,è"Œ,Ÿ□ž,Ÿ  
 □@LWrite(): □@ƒƒƒƒƒCƒ<,Ö□',«□ž,Ÿ  
 □@DeleteFile(): □@ƒƒƒƒƒCƒ<,đ□í□æ,μ,Ü,·

□EƒŒEƒWƒXƒgƒŠŒEn

□@GetRegiStr(): □@ƒŒEƒWƒXƒgƒŠ•¶Žš—ňƒƒ□[ƒ^,ì"Œ,Ÿ□ž,Ÿ  
 □@GetRegiInt(): □@ƒŒEƒWƒXƒgƒŠ□®□"lƒƒ□[ƒ^,ì"Œ,Ÿ□ž,Ÿ

## @fRf}f“fhfL[,iŽÀs

f}fNf[,æ,èfRf}f“fhfL[,,đŽÀs,·,é,É,Í PutChr(int ch); ,đŽg—p,μ,Ü,·B  
fL[f{[fh,ÁŽÀs,Á,«,é‘S,Ä,lfRf}f“fhfL[,,đŒÄ,Ño,·,±,Æ,ª,Á,«,Ü,·B  
fpf%of[f^,ìã^ÊfofCfg,ÉfRf}f“fhfL[,m,DD  
%o^ÊfofCfg,É,O,đZfbfg,μ,ÄŒÄ,Ño,μ,Ü,·B  
Ú,μ,,íAPutChr(): ,ìà-<sup>3</sup>/<sub>4</sub>,đ,<sup>2</sup>—,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,çB  
<ì“l,ÉfRf}f“fhfL[,m,DD,É•t,ç,Ä,íAfL[fRf}f“fh^ê—,đ,<sup>2</sup>—,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,çB



## ☐@%¼'zfL☐[fR☐[fh^ê---

^È%º,Í☐A%¼'zfL☐[fR☐[fh,ì^ê---,Å,·☐B  
 ,·,×,Ä'Í,Í16☐i☐",Å•\<L,³,ê,Ä,ç,Ü,·☐B

f}fEfX,Ü,½,ÍfL☐[f{☐[fh,Å'Î%ž,·,é,à,ì 'l(16☐i☐")

|                        |       |    |
|------------------------|-------|----|
| f}fEfX,ì☐¶f{f^f"       | 01    |    |
| f}fEfX,ì%Ef{f^f"       | 02    |    |
| BackSpacefL☐[          | 08    |    |
| TabfL☐[                | 09    |    |
| ClearfL☐[              | 0C    |    |
| EnterfL☐[              | 0D    |    |
| ShiftfL☐[              | 10    |    |
| CtrlfL☐[               | 11    |    |
| AltfL☐[                | 12    |    |
| PausefL☐[              | 13    |    |
| CapsLockfL☐[           | 14    |    |
| EscfL☐[                | 1B    |    |
| SpacefL☐[              | 20    |    |
| PageUpfL☐[             |       | 21 |
| PageDownfL☐[           | 22    |    |
| EndfL☐[                | 23    |    |
| HomefL☐[               | 24    |    |
| ☐©fL☐[                 | 25    |    |
| ☐ªfL☐[                 | 26    |    |
| ☐ˆfL☐[                 | 27    |    |
| ☐«fL☐[                 | 28    |    |
| SelectfL☐[             | 29    |    |
| ExecutefL☐[            |       | 2B |
| PrintScreenfL☐[        | 2C    |    |
| InsfL☐[                | 2D    |    |
| DelfL☐[                | 2E    |    |
| HelpfL☐[               | 2F    |    |
| 0-9fL☐[                | 30-39 |    |
| A-ZfL☐[                | 41-5A |    |
| fej" fL☐[fpfbfh,ì0fL☐[ | 60    |    |
| fej" fL☐[fpfbfh,ì1fL☐[ | 61    |    |
| fej" fL☐[fpfbfh,ì2fL☐[ | 62    |    |
| fej" fL☐[fpfbfh,ì3fL☐[ | 63    |    |
| fej" fL☐[fpfbfh,ì4fL☐[ | 64    |    |
| fej" fL☐[fpfbfh,ì5fL☐[ | 65    |    |
| fej" fL☐[fpfbfh,ì6fL☐[ | 66    |    |
| fej" fL☐[fpfbfh,ì7fL☐[ | 67    |    |

|                       |       |    |
|-----------------------|-------|----|
| fej“fL[]fppbfh,i8fL[] | 68    |    |
| fej“fL[]fppbfh,i9fL[] | 69    |    |
| æZZfL[]               | 6A    |    |
| +(fvf%ofX)fL[]        |       | 6B |
| fZfpfĒ[]fgfL[]        | 6C    |    |
| ^ø,«ZZfL[]            | 6D    |    |
| □-□”“_fL[]            | 6E    |    |
| Š,,èZZfL[]            | 6F    |    |
| F1-F24fL[]            | 70-87 |    |
| NumLockfL[]           | 90    |    |
| ScrollLockfL[]        | 91    |    |

**␣@fGf%␣␣[f␣fbfZ␣[fW**

␣@fGf%␣␣[f␣fbfZ␣[fW,É,Â,ç,Ä

␣@Žš<æ%␣␣đ␣[fGf%␣␣[f␣fbfZ␣[fW

␣@fR␣[fh“WŠ]fGf%␣␣[f␣fbfZ␣[fW

␣@fR␣[fhŽÀ␣sfGf%␣␣[f␣fbfZ␣[fW

## ☐@fGf%☐☐[f☐fbfZ☐[fW,É,Â,ç,Ä

“Ç,Ý☐ž,Ü,ê,½f}fNf☐fvf☐fOf%☐f€,í☐A,Ü, Žš<æ%☐đ☐í,³,êfR☐[fh“WŠJ,³,ê,Ü,·☐B  
,±,ìŠÔ,ÉfGf%☐☐[,²☐¶,¶,é,ÆfGf%☐☐[,m,☐☐D,ÆfGf%☐☐[f☐fbfZ☐[fW,đ•\Ž!,μ,Ä☐|—  
¹,μ,Ü,·☐B  
fGf%☐☐[,²,È,fR☐[fh“WŠJ,²☐³☐í,É☐|,í,é,ÆfR☐[fh,đŽÀ☐s,μ,Ü,·☐B

## ☐@Žš<æ%øđ☐ÍfGf%☐☐[f☐fbfZ☐[fW

^È%ø,ì Žš<æ%øđ☐ÍfGf%☐☐[f☐fbfZ☐[fW ,<sup>a</sup>, ,è,Ü,·☐B☐¶'[,,ì"Žš,ÍfGf  
%☐☐[,m,☐☐D,Å,·☐B

☐@,P☐@f}fNf☐fGf%☐☐[,<sup>a</sup>"☐¶,μ,Ü,μ,½  
☐@,Q☐@fTf|☐[fg,<sup>3</sup>,ê,Ä,ç,È,çfL☐☐[f☐☐[fh,Å,·  
☐@,R☐@8 or 9 ,Í,W☐i☐",Å,Í, ,è,Ü,<sup>1</sup>,ñ  
☐@,S☐@fkf<,P•¶Žš'è☐",<sup>a</sup>, ,è,Ü,·  
☐@,T☐@,P•¶Žš'è☐"ftfH☐[f}fbfGfGf%☐☐[  
☐@,U☐@•¶Žš—ñ'è☐"ftfH☐[f}fbfGfGf%☐☐[  
☐@,V☐@fRf☐f"fg,Å☐|—<sup>1</sup>f}☐[fN,<sup>a</sup>, ,è,Ü,<sup>1</sup>,ñ  
☐@,W☐@-<sup>3</sup>Æø,È•¶Žš,Å,·  
☐@,X☐@fRf"fgf☐☐[f<•¶Žš,Å,·  
,P,O☐@•¶Žš—ñ"o~^f|☐[fo☐[ftf☐☐[  
,P,P☐@ÆÅ'è•ĭ☐""o~^f|☐[fo☐[ftf☐☐[

## ▯@fR▯[fh“WŠJfGf%▯▯[fbfZ▯[fw

^È%▯▯,ì fR▯[fh“WŠJfGf%▯▯[fbfZ▯[fw ,<sup>a</sup>, ,è,Ü,·▯B▯▯[‘[,ì▯”Žš,íGf%▯▯[.m,▯▯D,Å,·▯B

- ,Q,P▯@•ï▯”,ì“ñ▯d“o~^,Å,·
- ,Q,Q▯@“o~^•ï▯”,ìfTfCfY,<sup>a</sup>O,Å,·
- ,Q,R▯@•ï▯”-¼,í“o~^,<sup>3</sup>è,Ä,ç,Ü,<sup>1</sup>,ñ
- ,Q,S▯@ŠÖ▯”,ì“ñ▯d“o~^,Å,·
- ,Q,T▯@ŠÖ▯”-¼,í,·,Å,É“o~^,<sup>3</sup>è,Ä,ç,Ü,·
- ,Q,U▯@ŠÖ▯”,<sup>a</sup>“o~^,<sup>3</sup>è,Ä,ç,Ü,<sup>1</sup>,ñ
- ,Q,V▯@Ž~•ÊŽq.•ï▯” “WŠJff▯[f^fGf%▯▯[
- ,Q,W▯@“WŠJff▯[f^fGf%▯▯[
- ,Q,X▯@‘ă“ü•▯▯@,é“WŠJff▯[f^fGf%▯▯[
- ,R,O▯@ŠÖ▯”,ìĀÄ,Ñ▯o,μ▯@“WŠJff▯[f^fGf%▯▯[
- ,R,P▯@•ï▯”,ìfTfCfY,<sup>a</sup>O,Å,·
- ,R,Q▯@ADD %▯E,ì•ï▯”fGf%▯▯[
- ,R,R▯@SUB %▯E,ì•ï▯”fGf%▯▯[
- ,R,S▯@“z—ñ ▯▯,ì•ï▯”fGf%▯▯[
- ,R,T▯@▯”Žš.‘è▯” ▯▯,ì•ï▯”fGf%▯▯[
- ,R,U▯@‘ă“ü•▯▯ ▯▯,ì•ï▯”fGf%▯▯[
- ,R,V▯@ŠÖ▯”,ìĀÄ,Ñ▯o,μ ▯▯,ì•ï▯”fGf%▯▯[
- ,R,W▯@‘ă“ü•▯▯,Å▯▯€-Ú(ĀÄ‘è•ï▯”)fGf%▯▯[
- ,R,X▯@f|fCf“f^ fAfhfĀfX^—▯fGf%▯▯[
- ,S,O▯@•ï▯”,ìĀ^fGf%▯▯[
- ,S,P▯@BREAK ,<sup>a</sup>f<▯[fv,ìŠO,Å,·
- ,S,Q▯@fvf▯fOf%▯f€,ìf|fXfef“fOfGf%▯▯[
- ,T,P▯@“FŽ~,Å,«,È,ç•▯▯-@,<sup>a</sup>, ,è,Ü,·
- ,T,Q▯@ŠÖ▯”,ì^∅,«▯”▯@•▯▯-@fGf%▯▯[
- ,T,R▯@•ï▯”,ìĀ`▯éĀ<sup>¾</sup>,<sup>a</sup>, ,è,Ü,<sup>1</sup>,ñ
- ,T,S▯@ŽŸ,ìŠÖ▯”▯A•ï▯”▯A‘è▯”,<sup>a</sup>, ,è,Ü,<sup>1</sup>,ñ
- ,T,T▯@,<sup>a</sup>•K—v,È^Ê‘u,ÅĀ©,Ā,©,è,Ü,<sup>1</sup>,ñ
- ,T,U▯@•ï▯” “o~^f▯[fo▯[ftf▯▯[
- ,T,V▯@•ï▯”-¼ŽQ▯ĀE,<sup>a</sup>Å,«,Ü,<sup>1</sup>,ñ
- ,T,W▯@ŠÖ▯” “o~^f▯[fo▯[ftf▯▯[
- ,T,X▯@ŠÖ▯”-¼▯A•ï▯”-¼ “o~^f▯[fo▯[ftf▯▯[

,U,O@“WŠjff[f^ “o~^f[foftf[  
,U,P@“WŠjff[f^,žQÆ,Å,«,Ü,¹,ň  
,U,Q@•ï”(f|fCf“f^,”z—ň),ìĚ` “o~^f[foftf[  
,U,R@•ï”“ü’Ö,ª,Å,«,Ü,¹,ň  
,U,S@%oE,ì•ï”^—,ª,Å,«,Ü,¹,ň  
,U,T@¶,ì•ï”^—,ª,Å,«,Ü,¹,ň  
,U,U@fAfhfĚfX^—,ª,Å,«,Ü,¹,ň  
,U,V@fvfOf%of€,ì|fXfefBf“fO f[foftf[  
,U,W@fvfOf%of€,ì|fXfefBf“fO f[foftf[  
,U,X@fvfOf%of€,ì|fXfefBf“fO fAf“f\_ftf[  
,V,O@fR[fhff[f^“o~^ f[foftf[

## Ⓜ@fRⓂ[fhŽÀⓂsfGf%Ⓜ[fⓂfbfZⓂ[fW

^È%Ⓜ,ì fRⓂ[fhŽÀⓂsfGf%Ⓜ[fⓂfbfZⓂ[fW ,ª, ,è,Ü,·ⓂBⓂ¶'[ ,ì"Žš,ìfGf  
%Ⓜ[ ,m,ⓂⓂD,Ä,·ⓂB

,X,PⓂ@<^Ž—fXf^fbfNfⓂ[fⓂ[ftfⓂ[

,X,QⓂ@Ⓜ!—¹Žž,ÅⓂ@<^Ž—fXf^fbfNfGf%Ⓜ[

Ⓜ@Ⓜ@Ⓜ@fRⓂ[fhŽÀⓂs,íⓂ³í,ÉⓂ!—

¹,μ,Ü,μ,½,ªŠÖⓂ"ĈÄ,ÑⓂo,μ,ì^øⓂ",ìPUSH,ÆPOP,ìⓂ",ª'S'ì,ÅⓂ‡,Á,Ä,ç,Ü,¹,ñⓂB,±,ìfGf

%Ⓜ[ ,ì^øⓂ",ìⓂ",ðĈë,Á,ÄfZfbfg,μ,ÄŠÖⓂ",ðĈÄ,ÑⓂo,μ,½,Æ,«,É"Ⓜ¶,μ,Ü,·ⓂB

,X,RⓂ@'ãⓂ,ÅⓂ@fXf^fbfNfGf%Ⓜ[

,X,SⓂ@ŽÀⓂsfRⓂ[fhfGf%Ⓜ[

,X,TⓂ@ŠÖⓂ",ì^ø,«Ⓜ",ìⓂ",ª, ,Á,Ä,ç,Ü,¹,ñ

,X,UⓂ@'¶ⓂÝ,μ,È,çŠÖⓂ",ªĈÄ,î,ê,Ä,ç,Ü,·

,X,VⓂ@POPUP <^Ž—fXf^fbfN fⓂ[fⓂ[ftfⓂ[

,X,WⓂ@PUSH <^Ž—fXf^fbfN fⓂ[fⓂ[ftfⓂ[

,X,XⓂ@POP <^Ž—fXf^fbfN fⓂ[fⓂ[ftfⓂ[



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© 2013 by the author(s), Ö^Ú“®, μ, Ü, ·B

Ⓜ@fjⓂ[fj<^ú“®ⓂiⓂ«Ⓜj

fjⓂ[fj<,δ%°ⓂiⓂ«Ⓜj,Ö^ú“®,μ,Ü,·ⓂB

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fj[fj<,đ¶i©j,Ö^ú“®,μ,Û,·B

Ⓜ@fjⓂ[fj<^ú“®ⓂiⓂⓂj

fjⓂ[fj<,δ%ⓂEⓂiⓂⓂj,Ö^ú“®,μ,Ü,·ⓂB

☐@,PCEê☐1,Ö

fj☐[fj<,δ,PCEê☐1,Ö^Ú“® ,μ,Ü,·☐B

□@,PCEê%oE,Ö

fj□[fj<,δ,PCEê%oE,Ö^Ú“® ,μ,Ü,·□B

□@•\Ž!□s“a,Ö

fj□[fj<,đ•\Ž!□s“a,Ö^Ú“®,μ,Û,·□B

□@•\Ž!□s--,Ö

fj□[fj<,đ•\Ž!□s--,Ö^Ú“®,μ,Ü,·□B



□@~\_—□□s“a,Ö

fj□[fj<,đ•\Ž!□s--,Ö^Ú“® ,μ,Ü,·□B

□@~\_—□□s--,Ö

fj□[fj<,δ~\_—□□s--,Ö^Ú“®,μ,Ü,·□B

**☐@fXfNf☐☐[f<fAfbfv**

,P☐sfXfNf☐☐[f<fAfbfv,μ,Û,·☐B

☐@fXfNf☐☐[f<f\_fEf“

,P☐sfXfNf☐☐[f<f\_fEf“,μ,Ü,·☐B

☐@fy☐[fWfAfbfv

,P☐sfy☐[fWfAfbfv,μ,Ü,☐B

☐@fy☐[fWf\_fEf“

,P☐sfy☐[fWf\_fEf“,μ,Ü,·☐B

□@%œ-Ê,ì□ã'[,Ö

%œ-Ê,ì□ã'[,Ö^Ú“® ,μ,Û,·□B

□@%œ-Ê,ì%º'[,Ö

%œ-Ê,ì%º'[,Ö^Ú“®,μ,Û,·□B



## ☐@fuf☐fbfN,ì☐æ“ª☐^☐Å☐Ěã,Ö

‘I’đfuf☐fbfN,ì☐æ“ª,Ö^Ú“® ,μ☐A^Ú“®☐æ,đ‘I’đfuf☐fbfN,ì☐Å☐Ěã,Æ,μ☐A^Ú“®☐Ě³,đ‘I’  
đfuf☐fbfN,ì☐æ“ª,Æ,μ,Ü,·☐B  
,Â,Ü,è‘I’đfuf☐fbfN,ì☐æ“ª,Æ☐Å☐Ěã,đ“ü,êŠ·,!,é-ó,Å,·☐B  
,±,ìfRf}f“fh,É,æ,è‘I’đŠŽn^Ê‘u,Ö^Ú“® ,μ☐Ě³,ì‘I’đŠŽn^Ê‘u,đ•ï☐X,·,éŽ-  
,ª,Å,«,Ü,·☐B

{}@'“üf,[]fh

'}“üf,[]fh,ð[]Ø,è'Ö,!,Ü,·[]B

☐@fšf^☐[f“fL☐[

fšf^☐[f“fL☐[,đ“ü—í,μ,Ü,·☐B

☑@,a,rfL☑☑

,a,rfL☑☑,đ“ü—í,μ,Û,·☑B

fj☑☑f^Ê'u,ì,P,Â'O,ì•¶Žš,đ☑☑œ,μ,Û,·☑B

@,c,d,kfL

,c,d,kfL[,"ü—í,μ,Û,·B

'Êí,íj[f^Ê'u,ì•Źš,đíœ,μ,Û,·,ªA'í'đ't,í['í'đ"í^í,ìíœ],Æ,μ,Ä"®ì,μ,Û,·B

Ⓜ@Œê,ìæ“ª,Û,Âíœ

Œ»fj[f\Œ^Ê'u,ì,P,Â'O,ì•ŒŽš,æ,èŒê,ìæ“ª,Û,Â,ðíœ,μ,Û,·B

Ⓜ@Œê,ìⓂ,í,è,Û,Åíœ

Œ»fj[f\<^Ê'u,ì•¶Žš,æ,èŒê,ìⓂ,í,è,Û,Å,ðíœ,μ,Û,·B

☉@,P☉s☉í☉œ

☉»fj☉[f☉f☉s,ð,P☉s☉í☉œ,μ,Û,·☉B



Ⓜ@Ⓜs“<sup>a</sup>,Ü,ÅíⓂœ

Ⓔ»fjⓂ[fʏ<^Ê'u,ì,P,Â'O,ì•¶Žš,æ,èⓂs“<sup>a</sup>,Ü,Å,ðíⓂœ,μ,Ü,·ⓂB

Ⓜ@s--,Ü,Åíœ

Œ»fj[f\<^Ê'u,ì•¶Žš,æ,ès--,Ü,Å,đíœ,μ,Û,·B

Ⓜ@,PⓂs' }“ü

Ⓔ»fjⓂ[fⓂ<Ⓜs,Ö<óⓂs,đ,PⓂs' }“ü,μ,Ü,·ⓂB

☐@☐í☐œ•¶Žš,ì•œŠ^

☐ÅŒã,É☐í☐œ,μ,½•¶Žš,đ•œŠ^,μ,Û,·☐B

☐@☐í☐œ☐s,ì•œŠ^

☐ÅĀă,É☐í☐œ,μ,½☐s,đ•œŠ^,μ,Û,·☐B

□@f^fu

f^fufL□[,δ“ü—í,μ,Ü,·□B

•@,PĀē'â•ŕŽš^ŕŕŕ•ŕŽš•İŠ•

"¼ŠpfAf<ftf@fxfbfg•ŕŽš,đ,PĀēA'â^ŕŕŕ•ŕŽš•İŠ•,μ,Û,•ŕB

☐@'l'ðf,☐[fh

'l'ðf,☐[fh,ð☐s'l'ðf,☐[fh,É☐Ý'è,μ,Ü,·☐B



☐@<é☐`'I'ðf,☐[fh

'I'ðf,☐[fh,ð<é☐`'I'ðf,☐[fh,É☐Ý'è,μ,Ü,·☐B

☐@Œÿ☐ö•ŕŽš—ñ,ìŽæ“¾

fj☐[fj<^É'u,ì•ŕŽš—ñ,ðŒÿ☐ö•ŕŽš—ñ,Æ,μ,ÄŽæ“¾,μ,Ü,·☐B  
"C^Ó,ì•ŕŽš—ñ☐i~\_—☐☐s,Å,P☐s^È“à☐j,ðfZfbfg,μ,½,ç☐é☐‡,Í,».,ì•ŕŽš—ñ,ð“½“]•\  
Ž!☐i'l'ð☐j,μ,ÄŒÿ☐ö,ðŽÀ☐s,³,é,é,Æ,».,ì•ŕŽš—ñ,ðŒÿ☐ö•ŕŽš—  
ñ,Æ,μ,ÄfZfbfg,³,é,Ü,·

## ☐@f}fNf☐, O, P, ĨŽÀ☐s

, ±, ±, Ö, Í•K, ☐m<éCE` fuf☐fbfN, ì☐Ø, èŽæ, è☐nf}fNf☐, ðfZfbfg, µ, Ä, , ¾, ¾, ç☐B  
, » , x, µ, È, ç, ÆfL☐[f{☐[fhf}fNf☐, ð☐³☐í, É“ ®☐ì, µ, Ü, ¹, ñ☐B  
“~ , ¶fL☐[ , ð, ç, , Â, © , ìfRf}f“fh, É☐Ý’è, ³, ê, ½☐ê☐#☐A  
f}fNf☐- { ‘ì, ĨŽÀ☐s☐i, P☐|, R, O☐j, ð, Ü, ☐CEŸ☐õ, µ  
, » , ì, , ÆfRf}f“fh, m, ☐☐B, O, æ, è☐# , ÉCEŸ☐õ, µ, Ü, ·☐B

☐m<éCE` fuf☐fbfN, ì☐Ø, èŽæ, è☐nf}fNf☐, Í<éCE` , Å, Í, È, çfuf☐fbfN’€☐ìŽž  
☐mfuf☐fbfN☐Ø, èŽæ, è☐nfRf}f“fh, ðCEÄ, Ô, æ, x, É, È, Á, Ä, ç, Ü, ·, ì, Å  
“~ , ¶fL☐[ ‘€☐ì, É, µ, Ä, “ , , Æ•Ö—~ , Å, ·☐B  
☐%Šú, ìfL☐[ ‘è<`ftf@fCf<, Í, » , x, È, Á, Ä, ç, Ü, ·☐B

## ☐@f}fNf☐, O, Q, ìŽÀ☐s

, ±, ±, Ö, Í•K, ☐m<éCE` fuf☐fbfN, ìRfs☐[☐nf}fNf☐, ðfZfbfg, µ, Ä,, ¾, ¾, ç☐B  
, » , x, µ, È, ç, ÆfL☐[f{☐[fhf}fNf☐, ð☐³☐í, É“ ®☐ì, µ, Ü, ¹, ñ☐B  
“~ , ¶fL☐[ , ð, ç, , Ä, © , ìRf}f“fh, É☐Ý’è, ³, ê, ½☐ê☐#☐A  
f}fNf☐- { ‘ì, ìŽÀ☐s☐i, P☐|, R, O☐j, ð, Ü, ☐CEÿ☐õ, µ  
, » , ì, , ÆfRf}f“fh, m, ☐☐B, O, æ, è☐# , ÉCEÿ☐õ, µ, Ü, ·☐B

☐m<éCE` fuf☐fbfN, ìRfs☐[☐nf}fNf☐, Í<éCE` , Å, Í, È, çfuf☐fbfN‘€☐ìŽž  
☐mfuf☐fbfNfRfs☐[☐nfRf}f“fh, ðCEÄ, Ô, æ, x, É, È, Á, Ä, ç, Ü, ·, ì, Å  
“~ , ¶fL☐[‘€☐ì, É, µ, Ä, “ , , Æ•Ö—~ , Å, ·☐B  
☐%Šú, ìfL☐[‘è<`ftf@fCf<, Í, » , x, È, Á, Ä, ç, Ü, ·☐B

## ☐@f}fNf☐, O, R, iŽÀ☐s

, ±, ±, Ö, í•K, ☐m<éCE` fuf☐fbfN, i' }“ü☐nf}fNf☐, đfZfbfg, μ, Ä, , 3/4, 3, ☐B  
, » , x, μ, È, ☐, ÆfL☐[f{☐[fhf}fNf☐, ³☐³í, É“ ®☐ì, μ, Ü, ¹, ñ☐B  
“~ , ¶fL☐[ , ², ☐, , Â, © , ìfRf}f“fh, É☐Ý'è, ³, ê, ½☐ê☐#☐A  
f}fNf☐- { 'ì, iŽÀ☐s☐i, P☐|, R, O☐j, ð, Ü, , CEÿ☐õ, μ  
, » , ì , ÆfRf}f“fh, m, ☐☐B, O, æ, è☐# , ÉCEÿ☐õ, μ, Ü, ·☐B

☐m<éCE` fuf☐fbfN, i' }“ü☐nf}fNf☐, í<éCE` , Å, í, È, ☐fuf☐fbfN'€☐ìŽž  
☐mfuf☐fbfN' }“ü☐nfRf}f“fh, đCEÄ, Ô, æ, x, É, È, Á, Ä, ☐, Ü, ·, ì, Å  
“~ , ¶fL☐[ '€☐ì, É, μ, Ä, “ , Æ•Ö—~ , Å, ·☐B  
☐%Šú, ìfL☐[ 'è<`ftf@fCf<, í, » , x, È, Á, Ä, ☐, Ü, ·☐B

Ⓜ@f}fNfⓂ,O,S,iŽÀⓂs

,±,±Ⓜf}fNfⓂ,O,S,iŽÀⓂsⓂn,©,çⓂf}fNfⓂ,R,O,iŽÀⓂsⓂn,Ü,Å,íⓂA  
ftⓂ[fUⓂ[’è<` ,i}fNfⓂ,đŽ©—R,ÉfZfbfg,μ,Ä,,¾,³,çⓂB

Ⓜ@, QfXfgfⓂⓂ[fNfLⓂ[ , P

, QfXfgfⓂⓂ[fNfLⓂ[ , đŽg—p, ·, éⓂêⓂ‡, í, , ç, ©, ¶, ß“o~^, μ, Ä, ¨, ©, È,, Ä, í, È, è, Ü, ¹, ñⓂB  
, QfXfgfⓂⓂ[fNfLⓂ[ , í, ±, ±, Å, í, QĈÊĈA‘S‘ì, Å, UĈÊĈ“o~^, Å, ‹, Ü, ·ⓂB

QfXfgf[fNfL[Q

,QfXfgf[fNfL[,đŽg—p,·,éê‡,í, ,ç,©,¶,ß“o~^,μ,Ä,“,©,È,,Ä,í,È,è,Ü,<sup>1</sup>,ñB  
,QfXfgf[fNfL[,í,±,±,Å,í,QĈA‘S‘ì,Å,UĈ“o~^,Å,«,Ü,·B



Ⓜ, QfXfgfⓂⓂ[fNfLⓂⓂ, R

, QfXfgfⓂⓂ[fNfLⓂⓂ, đŽg—p, ·, éⓂêⓂ†, í, , ç, ©, ¶, ß“o~^, μ, Ä, ¨, ©, È,, Ä, í, È, è, Ü, ¹, ñⓂB  
, QfXfgfⓂⓂ[fNfLⓂⓂ, í, ±, ±, Å, í, QĈĈⓂA‘S‘ì, Å, UĈĈ“o~^, Å, <, Ü, ·ⓂB

**@Find());**

»Ý,ÿÿððÉ,É,æ,è•Źš—ñ,ÿÿðð,ð,µ,Û,·B

-ß,è'I Fÿÿðð•Źš—ñ,©,Â,©,Á,½ê‡,Í,O,ðA  
@@@©,Â,©,ç,È,©,Á,½ê‡,Í|,P,ð•Ô,µ,Û,·B

"ðI FÿÿðððÉ,ÿZfbfg,Í SetFind());  
@@@ÿÿðð•Źš—ñ,ÿZfbfg,Í SetFindS()); ,Ås,ç,Û,·B

@FindNext();

ŽŸ(«),đĚŸ

Ě»Ý,ìĚŸđĚ,É,æ,èŽŸ(«),ì•Ÿš—ň,ìĚŸđ,đ,μ,Û,·B

-ß,è'ìĚŸđ•Ÿš—ň,âĚ,Â,©,Á,½ê†,í,òA  
@@@@Ě,Â,©,ç,È,©,Á,½ê†,í|,P,đ•Ô,μ,Û,·B

"đìĚŸđ—Ě÷ĚãAZŸ(«),ìĚŸđ,ìŽÀs,ÉŽg—p,μ,Û,·B

**@FindPrev());**

»Ý,ÿÿöð,É,æ,è'O(ª),•Źš—ñ,ÿÿöð,ð,µ,Û,·B

-ß,è'Iÿÿÿö•Źš—ñ,ª©,Â,©,Á,½ê‡,Í,O,ðA  
@@@©,Â,©,ç,È,©,Á,½ê‡,Í|,P,ð•Ô,µ,Û,·B

”ðIÿÿFind());,Â,ÿÿÿö—÷ÿăA'O(ª),ÿÿÿö,žÀs,ÉŽg—p,µ,Û,·B

## @Replace();

»Ý,ì'uŠ·đÉ,æ,è•Žš—ñ,ì'uŠ·,ð,μ,Û,·B

-ß,è'I'F'uŠ·,μ,½•Žš—ñ,ì",ð•Ô,μ,Û,·B

"õI'F'uŠ·đÉ,ìfZfbfg,Í SetRep();

@@@@'uŠ·•Žš—ñ,ìfZfbfg,Í SetRepS());,Ås,ç,Û,·B

[@Top\(\);](#)

feLjXfg, ìæ“ªs, Ö^Ú“® ,µ,Ü, ·B

-ß, è'lF, ±, ìŠÖ“, É-ß, è'l, í, , è, Ü, †, ñB

”õIIF

## @GoLine(int line);

fefLfXfg,ìŽw'è□s,Ö^Ú“® ,μ,Û,·□B

‘î□Û,Æ,È,éfefLfXfg,â~\_—□□sf,□[fh,Å, ,ê,î~\_—□□s,Å□A•\Ž!□sf,□[fh,Å, ,ê,î•\Ž!□s,Å^Ú“® ,μ,Û,·□B

fpf%oof□□[f^□Fint line □□^Ú“® ,·,é□s,m,□□B,đŽw'è,μ,Û,·□B

-ß,è'l□F,±,ìŠÖ□”,É-ß,è'l,í, ,è,Û,¹,ñ□B

”ö□□F□Å□□s,æ,è'â,«,ç□s,m,□□B,đŽw'è,·,é,Æ□Å□□s,Ö^Ú“® ,μ,Û,·□B

**@GoCp(int cp);**

fejLjXfg,ìŽw'è,ì^Ê'u,Ö^Ú"®,μ,Û,·B

fpf%of[f^Fint cp

fejLjXfgæ"ª,ð,O,Æ,μ,½A^Ú"®,·,éfejLjXfg^Ê'u(æ"ª,ð,O,Æ,μ,½fofCfg^Ê'u)  
,ðŽw'è,μ,Û,·B

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í, ,è,Û,<sup>1</sup>,ñB

"öIFÅI^Ê'u,æ,è'å,«,ç'l,ðŽw'è,·,é,ÆÅI^Ê'u,Ö^Ú"®,μ,Û,·B



☐@Bottom());

fefLfxfg,ìÅÆã☐s,Ö^Ú“® ,μ,Û,·☐B

-β,è'l☐F,±,ìŠÖ☐” ,É-β,è'l,í, ,è,Û,¹,ñ☐B

”õ☐I☐F

**@Mark();**

»Ý,ìj[f^É'u,ðf}[fN,μ,Ü,·B

-ß,è'l[F,±,ìŠÖ",É-ß,è'l,í, ,è,Ü,¹,ñB

"õlFÅÉf}[fN,μ,½f[f^É'u,Ö,í MarkJump();,Å^Ú"®,μ,Ü,·B

**@MarkJump();**

Åæã,Éf} [fN,μ,½f] [f^Ê'u,Ö^Ú"® ,μ,Ü,·B

-ß,è'l [F,±,ìŠÖ" ,É-ß,è'l,í, ,è,Ü,¹,ñB

”õ [Ff} [fN,μ,½f] [f^Ê'u,íÅ'â,P,OÆÂ,Ü,Å•Û'¶,³,ê,Ü,·B

**@MarkNext();**

»fj[f<^'u,æ,èÅ,à<β,çAZŸ(«),ìj[f<f} [fN^'u,Ö^Ú“®,μ,Û,·B  
ŽŸ(«),ìj[f<f} [fN^'u,â©,Â,©,ç,È,çê‡,íj[f<^'u,í³,ì,Û,Û,Å,·B

-β,è'IF(«)•ûü,Éf} [fN^'u,â©,Â,©,Á,½ê‡,í,O,ðA  
@@@©,Â,©,ç,È,©,Á,½ê‡,í|,P,ð•Ô,μ,Û,·B

”õIF

**@MarkPrev();**

»fj[f<^É'u,æ,èÅ,à<ß,çA'O(ª),ìj[f<f} [fN^É'u,Ö^Ú“® ,μ,Û,·B  
'O(ª),ìj[f<f} [fN^É'u,ªCE©,Â,©,ç,È,çê±,íj[f<^É'u,ÍCE³,ì,Û,Û,Å,·B

-ß,è'I(F(ª)•ûCEü,Éf} [fN^É'u,ªCE©,Â,©,Á,½ê±,Í,O,ðA  
@@@@CE©,Â,©,ç,È,©,Á,½ê±,Í|,P,ð•Ô,μ,Û,·B

”õIF

Ⓜ@PrevCur());

'¼'O,ìj[]fj<^Ê'u,Ö^Ú“® ,μ,Ü,·□B

-ß,è'l□F,±,ìŠÖ□” ,É-ß,è'l,í, ,è,Ü,¹,ñ□B

”õ□□FŽŸ,ìRf}f“fh,ðŽÀ□s,·,é,Æ,«,» ,ìj[]fj<^Ê'u,ª  
□@□@□@□m'¼'O,ìj[]fj<^Ê'u□n,Æ,μ,Ä<L%¯ ,³,ê,Ü,·□B  
□@□@□@□EfefLfXfg,ìæ“ª,Ö  
□@□@□@□EfefLfXfg,ìÅÆã,Ö  
□@□@□@□E'¼'O,ìj[]fj<^Ê'u,Ö  
□@□@□@□Ej[]fj<^Ê'uf}□[fN  
□@□@□@□EfefLfXfg,ìŽw'è□s,Ö  
□@□@□@□Ef}□[fN^Ê'u,ÖfWfff“fv

**@Parent();**

'í%ž,·,é ()[]A[]A[]A<> ,Ö^Ú“® ,μ,Ü,·[]B

-ß,è'l[]F,±,ìšÖ[]” ,É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ñ[]B

”õ[]I[]F☒»fj[][f]f<^Ê'u,ªŠY“- ,·,é,© ,Á,±[]ã,É,È,<sup>-</sup>,ê,î%½,à,μ,Ü,<sup>1</sup>,ñ[]B

## @TagJump();

f^fOfWfff“fv,đŽÀ□s,μ,Ü,·□B

CE»fj□[f]f<□s,æ,èfefLfXfg,ì□ÅCEã,Ü,Åf^fO□s,Æ,μ,Ä”FŽ˘,Å,«,é•¶Žš—  
ñ,đ’T,μ,Ü,·□B

f^fO□’Ž® ,³CE© ,Å,© ,é,Æ,» ,ìftf@fCf<,đf□[fuf“ ,mf^fO□s,Ö^Ú“® ,μ,Ü,·□B

-ß,è’l□F,±,ìŠÖ□” ,É-ß,è’l,í, ,è,Ü,¹,ñ□B

”ö□□Ff^fO□s,Æ,μ,Ä”FŽ˘,Å,«,é□’Ž® ,íŽŸ,ì’Ê,è,Å,·□B

□@□@□@□@<fwfbf\_□[>□@: .\,đŠÜ,Ü,È,ç”C^Ó,ì•¶Žš—ñ

□@□@□@□@<fpfX-¼>□@□@: .\,đŠÜ,þ•¶Žš—ñ□iftf@fCf<-¼□j

□@□@□@□@<□s”Ô□†>□@□@: ,P,O□i□”



Ⓜ@Up());

fj□[fj<,đ□ã□i□□□j,Ö^Ú“® ,μ,Ü,·□B

-ß,è'l□F,±,ìšÖ□”,É-ß,è'l,í, ,è,Ü,¹,ñ□B

”õ□I□F

␣@Down());

fj␣[f\j<,δ%°␣i␣«␣j,Ö^Ú“® ,μ,Ü,·␣B

-β,è'l␣F,±,ìšÖ␣” ,É-β,è'l,í, ,è,Ü,¹,ñ␣B

”õ␣I␣F

**@Left();**

fj[fj<,đ¶¶i©j,Ö^Ú“®,μ,Û,·B

-ß,è'lF,±,ìšÖ”,É-ß,è'l,í, ,è,Û,¹,ñB

”õlF

**␣@Right());**

fj␣[f\j<,δ%°E␣i␣␣j,Ö^Ú“® ,μ,Ü,·␣B

-β,è'l␣F,±,ìšÖ␣”,É-β,è'l,í, ,è,Ü,¹,ñ␣B

”õ␣I␣F

**@Backward());**

fj[f<,PÊ,Ö^Ú“®,μ,Û,·B

-ß,è'I,F,±,ìŠÖ”,É-ß,è'I,í, ,è,Û,¹,ñB

”õIIF

**@Forward());**

fj[f<,PCE%E,Ö^Ú“®,μ,Ü,·B

-ß,è'I,F,±,ìŠÖ”,É-ß,è'I,í, ,è,Ü,¹,ñB

”õIIF

**@LDEdge());**

fj[f\<,đ•\Ž!s“<sup>a</sup>,Ö^Ú“®,μ,Û,·B

-ß,è'I[F,±,ìŠÖ“,É-ß,è'I,í, ,è,Û,¹,ñB

”õI[F

**@RDEdge());**

fj[f<,đ•\Ž!s--,Ö^Ú“®,μ,Û,·B

-ß,è'I[F,±,ìŠÖ”,É-ß,è'I,í, ,è,Û,¹,ñB

”õI[F



**@LEdge());**

fj[f<,δ~\_—s“<sup>a</sup>,Ö^Ú“®,μ,Ü,·B

-β,è'I□F,±,ìŠÖ□”,É-β,è'I,í, ,è,Ü,¹,ñ□B

”õ□I□F

**@REdge());**

fj[f<,δ~\_—s--,Ö^Ú“®,μ,Ü,·B

-β,è'lF,±,ìŠÖ”,É-β,è'l,í, ,è,Ü,¹,ñB

”õIF

**@RollUp());**

,PsfXfNf[fAfbfv,μ,Ü,·B

-ß,è'I,F,±,ìŠÖ",É-ß,è'I,í, ,è,Ü,¹,ñB

"õIF

**@RollDown();**

,PsfXfNf[f<f\_fEf“,μ,Ü,·B

-ß,è'lF,±,ìšÖ“,É-ß,è'l,í, ,è,Ü,¹,ñB

”õIF

␣@PageUp());

,P␣sfy␣[fWfAfbfv,μ,Ü,·␣B

-β,è'l␣F,±,ìŠÖ␣”,É-β,è'l,í, ,è,Ü,¹,ñ␣B

”õ␣I␣F

␣@PageDown());

,P␣sfy␣[fWf\_fEf“,μ,Ü,·␣B

-ß,è'l␣F,±,ìŠÖ␣”,É-ß,è'l,í, ,è,Ü,¹,ñ␣B

”õ␣I␣F

☐@TopScr());

%oæ-Ê,ì☐ã'[,Ö^Ú“ ®,μ,Û,·☐B

-ß,è'l☐F,±,ìŠÖ☐”,É-ß,è'l,í, ,è,Û,¹,ñ☐B

”õ☐I☐F

**@BotomScr());**

%oæ-Ê,ì%o°'[,Ö^Ú“® ,μ,Û,·B

-ß,è'lF,±,ìšÖ”,É-ß,è'l,í, ,è,Û,¹,ñB

”õlF



**@GoBlok();**

'l'öfuf fbfN, ìæ“ªAÅÆä, Ö^Ú“ ®, µ, Ü, ·B

-ß, è'lF, ±, ìŠÖ“, É-ß, è'l, í, , è, Ü, †, ñB

”õIF

**@InsMode(int mode);**

'}“üf, [fh, ð∅, è'Ö, ï, Ü, ·B

fpf%of [f^ Fint mode @|, P fgfOf <A, O, n, e, eA, P, n, m

-ß, è'l F, ±, ìŠÖ”, É-ß, è'l, í, , è, Ü, ¹, ñB

”ö I F

**@Ret();**

fšf^ [f“fL [,đ“ü—í,μ,Ü,·B

-ß,è'l F,±,ìšÖ”,É-ß,è'l,í, ,è,Ü,¹,ñB

”õI F

□@Bs());

,a,rfL□[,đ“ü—í,μ,Ü,·□B

-ß,è'l□F,±,ìšÖ□”,É-ß,è'l,í, ,è,Ü,¹,ñ□B

”õ□I□F

**@Del();**

,c,d,kfL[,[,đ“ü—í,μ,Ü,·□B

-ß,è'l□F,±,ìšÖ□”,É-ß,è'l,í, ,è,Ü,¹,ñ□B

”õ□I□F

**@DelBWord();**

»fj[f^Ê'u,ì,P,Â'O,ì•ŕŽš,æ,èÊê,ìæ“ª,Ü,Å,đíœ,μ,Ü,·B

-ß,è'I,F,±,ìŠÖ”,É-ß,è'I,í, ,è,Ü,¹,ñB

”õIIF

**@DelWord();**

»fj[f^Ê'u,ì•ŕŽš,æ,èÊê,ìl,í,è,Ü,Å,đíœ,μ,Ü,·B

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í, ,è,Ü,¹,ñB

"õlF

**@DelLine();**

»fj[f<s,đ,Píœ,μ,Ü,·B

-ß,è'I,F,±,ìŠÖ",É-ß,è'I,í, ,è,Ü,¹,ñB

"õIIF



**@DelBefor();**

»fj[f^Ê'u,ì,P,Â'O,ì•ŕŽš,æ,è"s<sup>a</sup>,Ü,Å,đíœ,μ,Ü,·B

-ß,è'I,F,±,ìŠÖ",É-ß,è'I,í, ,è,Ü,<sup>1</sup>,ñB

"õIF

**@DelAfter();**

»fj[f<^Ê'u,ì•ŕŽš,æ,è[s--,Ü,Å,đíœ,μ,Û,·B

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í, ,è,Û,¹,ñB

"õlF

**@InsLine());**

»fj[f<s,Ö<ó[s,đ,P[s’}“ü,μ,Ü,·B

-ß,è'l[F,±,ìŠÖ”,É-ß,è'l,í, ,è,Ü,¹,ñB

”õI[F

␣@PopChr());

␣ÅÆã,Éí␣œ,μ,½•¶Žš,đ•œŠ^,μ,Û,·␣B

-ß,è'l␣F,±,ìŠÖ␣”,É-ß,è'l,í, ,è,Û,¹,ň␣B

”õ␣I␣F

**@PopLn();**

ÅĚă,Éíœ,μ,½s,đ•œŠ^,μ,Û,·B

-ß,è'I,F,±,ìŠÖ",É-ß,è'I,Í, ,è,Û,¹,ñB

"õIIF

**@Tabs());**

f^fufL[,đ“ü—í,μ,Ü,·B

-ß,è'lF,±,ìšÖ”,É-ß,è'l,í, ,è,Ü,¹,ñB

”õIF

**@ConvWord());**

"¼ŠpfAf<ftf@fxfbfg•ŕŽš,đ,PŒêA'â^□→•ŕŽš•İŠ·,μ,Û,·□B

-ß,è'l□F,±,ìŠÖ□",É-ß,è'l,í, ,è,Û,<sup>1</sup>,ñ□B

"õ□□FŒ»fj□[f]f<^Ê'u,<sup>a</sup>□A"¼ŠpfAf<ftf@fxfbfg•ŕŽš□ã,É,È,<sup>-</sup>,ê,Î%½,à,μ,Û,<sup>1</sup>,ñ□B

**@Select1());**

'l'ðf,[]fh,ð[]s'l'ðf,[]fh,É[]Ý'è,μ,Ü,·[]B

-ß,è'l[]F,±,ìšÖ[]",É-ß,è'l,í, ,è,Ü,¹,ñ[]B

"õ[]I[]F



**@Select2();**

'I'öf, [fh, ð<éCE` 'I'öf, [fh, ÉY'è, µ, Ü, ·B

-ß, è'I F, ±, ÌŠÖ", É-ß, è'I, í, , è, Ü, †, ñB

"õIF

**@BlokCut();**

'l'đ"í^í, òfèfLfXfg, ðííœ, µAfuffbfNfXf^fbfN, ÖfRfs[, µ, Ü, ·B

'l'đ"í^í, òfèfLfXfg, ì"à—e, ÍŽ, , í, ê, Ü, ·B

-ß, è'lF, ±, ìŠÖ", É-ß, è'l, í, , è, Ü, †, ñB

"đíF

☐@BlokCopy();

‘l’ð”í^í, òfēfLfXfg, ðfuf☐fbfNfXf^fbfN, ÖfRfs☐[, μ, Ü, ·☐B

‘l’ð”í^í, òfēfLfXfg, ò“à—e, ÍŽ, , í, ê, Ü, ¹, ñ☐B

-ß, è‘l☐F, ±, òŠÖ☐”, É-ß, è‘l, í, , è, Ü, ¹, ñ☐B

”ð☐l☐F

**@BlokPast();**

fuf[]fbfNfXf^fbfN,æ,èfefLfXfg,ð“\,è•t,¯,Ü,·[]B

“\,è•t,¯,ç,ê,é,ì,í[]ÅÆã,Éfuf[]fbfNfXf^fbfN,ÖfRfs[][,³,ê,½fefLfXfg,Å,·[]B

fuf[]fbfNfXf^fbfN,ì“à—e,í•ï,í,è,Ü,<sup>1</sup>,ñ[]B

-ß,è'[]F“\,è•t,¯,½fofCfg[]”,ð•Ô,μ,Ü,·[]B

”õ[]I[]F

☐@BlokIns());

fuf☐fbfNfXf^fbfN,æ,èfefLfXfg,ð'}"ü,μ,Ü,·☐B

'}"ü,<sup>3</sup>,ê,é,ì,í☐ÅÆã,Éfuf☐fbfNfXf^fbfN,ÖfRfs☐[,<sup>3</sup>,ê,½fefLfXfg,Å,·☐B

'}"ü,μ,½fuf☐fbfNfXf^fbfN,ìfefLfXfg,íŽ,,í,ê,Ü,·☐B

-ß,è'l☐F,±,ìŠÖ☐",É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ñ☐B

"ö☐I☐F

**@StackDel();**

fuf fbfNfXf^fbfN“à,ì,·,×,Ä,lfefLjXfg,đíœ,μ,Û,·B

-ß,è'lF,±,ìšÖ”,É-ß,è'l,í, ,è,Û,¹,ñB

”õIF

**@GetFindS());**

fj[fj<^Ê'u,ì•ŕŽš—ñ,đŒŸö•ŕŽš—ñ,Æ,μ,ÄŽæ“¾,μ,Ü,·B

-ß,è'lF,±,ìŠÖ”,É-ß,è'l,í, ,è,Ü,¹,ñB

”õIF

## @GetSelText(char \*buf, int maxlen);

»ÝA'đ,³,ê,Ä,ç,é•ŕŽš—ñ,đ buf ,Ö Å'å maxlen fofCfgŽæ“¾,μ,Û,·B

•ŕŽš—ñ,É%ü□s,ŠÜ,Ü,ê,Ä,ç,é□ê†,Í,»,ì%ü□s,ì'O,Û,Å,đ“Ç,Ý□ž,Ý

%ü□s^È□~,Í“Ç,Ý□ž,Ý,Û,¹,ñ□B

•ŕŽš—ñ,ìÅĀĀ,Éfƒ<•ŕŽš('0'),đ•t%Á,μ,Û,·B

-ß,è'□F□-Ā÷,μ,½□ê†,Í,O,ª□AŽ, "s,μ,½□ê†,Í□|,P,ª•Ô,³,ê,Û,·B

”ö□□F



**@Select(int mode);**

'l'đf, [fh, đfZfbfg, μ, Ü, · B

fpf%of [f^ Fint

mode @, O "ñfuf fbfN A, P sfuf fbfN A, Q • Žšfuf fbfN A, R <éĈ` fuf f  
bfN

-ß, è'l F, ±, ìŠÖ " , É-ß, è'l, í, , è, Ü, ¹, ñ B

"ö I F

**@Aindent(int mode);**

f![]fgfCf“fff“fgf,[]fh,đ∅,è'Ö,ı,Ü,·B

fpf%of[]f^[]Fint mode[]@[],P[]fgfOf<[]A,O[],n,e,e[]A,P[],n,m

-ß,è'l[]F,±,ìšÖ[],É-ß,è'l,í, ,è,Ü,¹,ñB

”ö[]I[]F

**@SetCurPsPos(int mode);**

“\,è•t,¯Œã,ìj[]f^Ê'u,ìf,[]fh,ð∅,è'Ö,ì,Ü,·[]B

fpf%of[]f^[]Fint mode[]@,O[]æ“ª,ì,Ü,Ü[]A,P[]ÅŒã,Ö^Ú“®

-ß,è'l[]F,±,ìŠÖ[],É-ß,è'l,í, ,è,Ü,¹,ñ[]B

”õ[]I[]F

**@DispOff());**

%œ-Ê,ð"ñ•\Ž!f,[]fh,É,μ,Û,·[]B

fXfe[]f^fXfo[][]Af<[]f%[]fj[]f\<,Ö,ì•\Ž!,í,μ,Û,·[]B

-ß,è'l[]F,±,ìŠÖ[]",É-ß,è'l,í, ,è,Û,<sup>1</sup>,ñ[]B

"õ[]I[]F

**@DispOff2());**

%oæ-Ê,ð"ñ•\Žlf,[]fh,É,μ,Û,·□B

fXfe[]f^fXfo[]Af<[]f%o[]fj[]f\<,Ö,ì•\Ž!,à<ÖŽ~,μ,Û,·□B

-ß,è'l□F,±,ìŠÖ□",É-ß,è'l,í, ,è,Û,<sup>1</sup>,ñ□B

"õ□I□F

**@DispOn());**

%oæ-Ê,ð•\Žif,[]fh,É,μÄ•\Ži,μ,Ü,·B

-ß,è'lF,±,ìšÖ",É-ß,è'l,í, ,è,Ü,¹,ñB

"õlF

**@GotoX(int x);**

•\Ž!s,ì"íí,Åfj[f<,đ,~ff%of€^Ê'u,Ö^Ú"®,μ,Û,·B  
s,ªÛ,è•Ô,μ,Ä,ç,éêê‡,Å,àACE»fj[f<s,ì•\Ž!s--^È~(ŽŸs)  
,Ö,í^Ú"®,μ,Û,¹,ňB

fpf%of[f^fint x@^Ú"®,·,éff%of€^Ê'u,đŽw'è,μ,Û,·B[i¶'[í,Pj

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í, ,è,Û,¹,ňB

"öIF

**@GotoX2(int x);**

~\_—□□s,ì"í^í,Åfj□[f\<,δ,~ff%of€^Ê'u,Ö^Ú"® ,μ,Û,·□B  
□s,ª□Û,è•Ô,μ,Ä,ç,é□ê□‡,í□ACE»fj□[f\<□s,ì~\_—□□s--  
,Û,Å,ì"í^í,ÅŽŸ□s^È□~,Ö^Ú"® ,μ,Û,·□B

fpf%of□□[f^□Fint x□@^Ú"® ,·,éff%of€^Ê'u,ðŽw'è,μ,Û,·□B□i□¶'[,í,P□j

-ß,è'l□F,±,ìŠÖ□",É-ß,è'l,í, ,è,Û,¹,ň□B

"ö□l□F



**@GotoY(int y);**

fj[f<,đ,™ s-Ú,Ö^Ú“®,μ,Û,·B

fpf%of[f^Fint y@^Ú“®,·,é[s^Ê'u,đŽw'è,μ,Û,·B[iã'[,Í,Pj

-ß,è'lF,±,ìšÖ“,É-ß,è'l,í, ,è,Û,¹,ñB

”öIIF

**@SetSakuzu(int mode);**

Erüi}f,[fh,ì∅,è'Ö,!,Ü,·B

fpf%of[f^Fint mode@|,PfgfOf<A,O,n,e,eA,P,n,m

fgfOf<,Æ,íACE»Ý,ìó'Ô,đ"½"](OFF -> ON, ON -> OFF),<sup>3,1</sup>,é,±,Æ,đ<sup>3/4</sup>,ç,Ü,·B

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ñB

"öIF

## @SetSakuzuPen(int mode);

Erüi},Å,ìErü,ì¼,³,ðØ,è'Ö,!,Ü,·B  
fpf%of[f^Fint mode@|,PfgfOf<A,OxüA,P'¼ü  
fgfOf<,Æ,íACE»Ý,ìó'Ô,ð"½"](xü -> '¼ü , '¼ü -> xü),³,¹,é,±  
,Æ,ðCE¾,ç,Ü,·B

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í, ,è,Ü,¹,ñB

"öIF

## @SetKeiHogo(int mode);

Erüi},Å,ìErü•ûÈì,ìON.OFF,ð∅,è'Ö,!,Û,·B  
fpf%of[f^Fint mode@|,PfgfOf<A,OOFFA,PON  
fgfOf<,Æ,íACE»Ý,ìó'Ô,ð"½"](OFF -> ON , ON -> OFF),<sup>3,1</sup>,é,±,Æ,ð<sup>3/4</sup>,ç  
,Û,·B

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í, ,è,Û,<sup>1</sup>,ñB

"öIF

## @SetRealForm(int mode);

fŠfAf<f^fCf€ @CE` ,ìON.OFF,đ∅,è'Ö,!,Ü,·B  
fpf%of[f^fint mode@|,PfgfOf<A,OOFFA,PON  
fgfOf<,Æ,íACE»Ý,ìó'Ô,đ"½"](OFF -> ON , ON -> OFF),<sup>3,1</sup>,é,±,Æ,đCE<sup>3/4</sup>,ç  
,Ü,·B

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ñB

"öIF

## @SetRealKajou(int mode);

fŠfAf<f^fCf€@CE` ,í%oÓð' ,« ,Ås, ,ìON.OFF,ðØ,è'Ö, ,Ü, ·B  
fpf%of[f^Fint mode@|,PfgfOf<A,OOFFA,PON  
fgfOf<,Æ,íACE»Ý, ò'Ô, ð"½"](OFF -> ON , ON -> OFF),<sup>3,1</sup>,é,±,Æ,ðCE<sup>¾</sup>,ç  
,Ü, ·B

-ß,è'lF,±, ÌŠÖ",É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ñB

"öIF



```
    SetFindS("PoPUp");  
    Find();  
}
```



**void SetFindS(char \*str);**

void SetFindS(char \*str);

void SetFindS(char \*str);

void SetFindS(char \*str);

void SetFindS(char \*str);

void SetFindS(char \*str);

main()

{

char \*str;

str = "PoPUp";

SetFindS(str);

Find();

}



"õ|F,±,ìšÖ",í'uš·žÀsžž,ì'uš·đĀ,đ·ïX,μ,Û,·B

—á'èF'å•¶žšA→•¶žš,ìæ•Ê, ,èA'PĀê'P^Ê,Å,ìĀÿõ, x,...

, "A^êš†'uš, ©^êš†

@@@@'uš."Í^í,`,k,kA'uš·I—¹ĀãšJžn^Ê'u,Ö-

ß,é,m,A^êš†'uš·A, '→•š·f,[fh,x,...," ,ìđĀ,Å

@@@@•¶žš—ñ PoPUp ,đ Menu ,Ö,ì'uš·,đžÀs,μ,Û,·

main()

{

SetRep(0x46);

SetFindS("PoPUp");

SetRepS("Menu");

Replace();

}

`@SetRepS(char *str);`

'uŠ••¶Žš—ň,đfZfbfg,μ,Ü,·□B

fpf%of□□[f^□Fchar \*str□@'uŠ••¶Žš—ň,ìf|fCf“f^,đfZfbfg,μ,Ü,·□B

-ß,è'l□F,±,ìŠÖ□”,É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ñ□B

”ö□I□F,±,ìŠÖ□”,í'uŠ•ŽÀ□sŽž,ì'uŠ••¶Žš—ň,đ•í□X,μ,Ü,·□B

—á'è□FCE»□Ý,ì'uŠ•□đCE□,Å□A•¶Žš—ň PoPUp ,đ Menu ,Ö,ì'uŠ•,đŽÀ□s,μ,Ü,·

main()

{

    SetFindS("PoPUp");

    SetRepS("Menu");

    Replace();

}

@ClipCut();

'l'ð"í^í,ìfēfLfXfg,ðííœ,μAfNfŠfbfvf{[fh,ÖfRfs[μ,Ü,·B

'l'ð"í^í,ìfēfLfXfg,ì"à—e,ÍŽ,í,ê,Ü,·B

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í,è,Ü,¹,ñB

"ðlF

@ClipCopy();

'l'đ"í^í,ìfēfLfXfg,đfNfŠfbfvf{[]fh,ÖfRfs[],μ,Ü,·[]B

'l'đ"í^í,ìfēfLfXfg,ì"à—e,ÍŽ,í,ê,Ü,<sup>1</sup>,ñ[]B

-ß,è'l[]F,±,ìŠÖ[]",É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ñ[]B

"đ[]I[]F

@ClipPast();

fNfŠfbfvf{[fh,æ,èfefLfxfg,ð“\,è•t, ,Ü,·B

“\,è•t, ,ç,ê,é,ì,íÅÆã,ÉfNfŠfbfvf{[fh,ÖfRfs[ ,³,ê,½fefLfxfg,Å,·B

fNfŠfbfvf{[fh,ì“à—e,í•ï,í,è,Ü,¹,ñB

-ß,è'I[F“\,è•t, ,½fofCfgr”,ð•Ô,μ,Ü,·B

”õI[F

**@Delete();**

'l'ð"í^í,ìfefLfXfg,ðííœ,μ,Ü,·B

-ß,è'lF,±,ìšÖ",É-ß,è'l,í, ,è,Ü,¹,ñB

"õlF



**int GetClipTextLen(int \*nbytes, int \*lines);**

```
fNfŠfbfvf{[fh,ì't,ìfefLfXfg,ì'·,³,Æ~_—[]s[]",đ'²,x,Ü,·[]B
nbytes ,Ö,ífNfŠfbfvf{[fh,ì't,ìfefLfXfg,ì'·,³,³fofCfg[]",ÅfZfbfg,³,ê,Ü,·[]B
lines ,Ö,ífNfŠfbfvf{[fh,ì't,ìfefLfXfg,ì~_—[]s[]",³fZfbfg,³,ê,Ü,·[]B

-ß,è'ì[]FŽæ“¾,É[]¬[]Æ÷,μ,½[]ê[]‡,Í,O,đ[]AŽ,“s,μ,½[]ê[]‡,í[],P,đ•Ô,μ,Ü,·[]B
```

”ö[]I[]F

```
—á'è[]FfNfŠfbfvf{[fh,ì't,ìfefLfXfg,ìfofCfg[]",đ'²,x,Ä[]A
[]@[]@[]@,Q,O,O,OfofCfg-ç-ž,Å, ,ê,î buf ,Ö“Ç,Ý[]ž,ñ,Å[]»fj[][f]f<^Ê'u,Ö•\
Ž!,μ,Ü,·[]B
```

main()

{

int nbytes, lines;

char buf[2000];

GetClipTextLen(&nbytes, &lines);

if(nbytes > 0 && nbytes < 2000)

{

GetClipText(buf, 0, nbytes);

buf[nbytes] = 0;

PutStr(buf);

}

}

**@GetClipText(char \*buf, int pos, int maxlen);**

fNfŠfbvf{[fh,ì†,ìfefLfXfgæ“<sup>a</sup>,æ,è pos fofCfg-Ú,æ,è buf ,ÖAÅå maxlen  
“Ç,Ýž,Ý,Ü,·B

fNfŠfbvf{[fh,ì†,ìfefLfXfg,ì’å,«,<sup>3</sup>,<sup>a</sup> maxlen ,æ,è¬,<sup>3</sup>,çê‡,Í“Ç,Ýž,þfofCfg” ,Í  
maxlen ,æ,è¬,<sup>3</sup>,È,è,Ü,·B(fefLfXfg,ì’å,«,<sup>3</sup>,ìfofCfg” ,<sup>a</sup>“Ç,Ýž,Ü,ê,Ü,·)

fNfŠfbvf{[fh,ì†,ìfefLfXfg,ìæ“<sup>a</sup>,æ,è“Ç,Ýž,Ý,½,çê‡ pos ,Í,O,Æ,È,è,Ü,·B

-ß,è’I“Ç,Ýž,Ý,É¬Æ÷,μ,½ê‡,Í,O,đAŽ, ”s,μ,½ê‡,Í|,P,đ•Ô,μ,Ü,·B

”öIF

—á’èIFGetClipTextLen(); ,ì—á,đŽQI,É,μ,Ä%<sup>o</sup>,<sup>3</sup>,çB

**PutSpace(int x, int mode);**

int main() {

PutSpace(10, 1);

PutSpace(10, 0); // PutSpace(10, 0);

return 0;

}

int main() {

PutSpace(10, 1);

PutSpace(10, 0); // PutSpace(10, 0);

return 0;

}

int main() {

PutSpace(10, 1);

PutSpace(10, 0); // PutSpace(10, 0);

}

```
void PutStr(char *str);
```

```
void PutStr(char *str, int n) {
```

```
    while (n-- > 0) {
```

```
        putchar(*str++);
```

```
    }
```

```
void main() {
```

```
    PutStr("PoPUp");
```

```
}
```

## @GetStr(char \*title);

```
title ,lf_fCfAf_fO,đ•\Ž!,μ,Ä•¶Žš—ñ,đ“ü—Í,μ,Ü,·□B  
“ü—Í,μ,½•¶Žš—ñ,Í□A”z—ñ Strings[64] ,ÖfZfbfg,³,ê,Ü,·□B
```

```
fpf%of□□[f^□Fchar *title□@f_fCfAf_fO,lf^fCfjf<•¶Žš—ñ,lf|fCf“f^,đŽw’è,μ,Ü,·□B
```

```
-ß,è’l□F□@,O□□•¶Žš—ñ,ª“ü—Í,³,ê,½□B  
□@□@□@□@□@□[.P□□, d,r,b,ª“ü—Í,³,ê,½□B  
□@□@□@□@□@□[.Q□□%ü□s,ª“ü—Í,³,ê,½□B  
□@□@□@□@□@^ÈŠO□□“ü—Í,μ,½•¶Žš—ñ,ª•\,·□”’l□B
```

”ö□l□F

```
—á’è□F,P□|,S,ì,ç,,ê,©,ª’l’đ,³,ê,ê,Î,»ê,¼,ê,Ì□^—□,đ□s,ç,Ü,·□B  
□@□@□@□@,P□|,S□A,d,r,b,ì,ç,,ê,ª“ü—Í,³,ê,é,Ü,Å□^—□,đ’±□s,μ,Ü,·□B  
fVfXfef€•İ□” Result ,lf}fNf□ŽÀ□sŠJžnŽž,É,O,É□%Šú%»»,³,ê,Ü,·□B
```

main()

{

```
    char *title;
```

```
    while(Result < 1 || Result > 4)
```

```
    {
```

```
        title = "Menu: 1.SetUp 2.Input 3.Draw 4.Print";
```

```
        GetStr(title);
```

```
        if(Result == 1)
```

```
            SetUp();
```

```
        else if(Result == 2)
```

```
            Input();
```

```
        else if(Result == 3)
```

```
            Draw();
```

```
        else if(Result == 4)
```

```
            Print();
```

```
        else if(Result == -1)
```

```
            break
```

```
        else
```

```
        Beep();  
    }  
}
```

```
SetUp()  
{  
}
```

```
Input()  
{  
}
```

```
Draw()  
{  
}
```

```
Print()  
{  
}
```

## @GetStr2(char \*title, char \*defstr);

“@[]í GetStr(); ,Æ“¯,¶,Å,·,ªffftfHf<fg,ì“ü—í•¶Žš—ň,Æ,µ,Ä defstr ,ð“n,·,±  
,Æ,ª^Ù,È,è,Ü,·[]B,±,ìŠÖ[]”,ðŽÀ[]s,·,é,Æf\_fCfAf[]fO,ì•¶Žš—ň“ü—í^Ê’u,Å defstr  
,ÉfZfbfg,µ,½•¶Žš—ň,ªffftfHf<fg,ì“ü—í•¶Žš—ň,Æ,µ,Ä”½“]•\Ž!,µ,Ü,·[]B

fpf%of[][]f^[]Fchar \*title[]@f\_fCfAf[]fO,ìf^fCfjf<•¶Žš—ň,ìf|fCf“f^,ðŽw’è,µ,Ü,·[]B  
[]@[]@[]@[]@[]@[]@char \*defstr[]@ffftfHf<fg“ü—í•¶Žš—ň,ìf|  
fCf“f^,ðŽw’è,µ,Ü,·[]B

-ß,è’l[]F[]@,O[]@•¶Žš—ň,ª“ü—í,³,ê,½[]B  
[]@[]@[]@[]@[]@[]@,P[]@,d,r,b,ª“ü—í,³,ê,½[]B  
[]@[]@[]@[]@[]@[]@,Q[]@%ü[]s,ª“ü—í,³,ê,½[]B  
[]@[]@[]@[]@^ÈŠO[]@“ü—í,µ,½•¶Žš—ň,ª•\,·[]@”’l[]B

”ð[]l[]F

—á’è[]FGetStr(); ,ì—á,ð,²—,¾,³,¢[]B

## @PutChr(int ch);

fj[f\<^É'u,Ö,ì•ŕŽš,ìo—íA-”,íRf}f“fhfL[,ìŽÀs,ðs,ç,Ü,·B

fpf%of[f^Fint ch

@@@E•ŕŽš,ìo—í,ìê‡

@@@”¼Šp•ŕŽšã^ÊfofCfg,í,O%A%o^ÊfofCfg,Ö•ŕŽšR[fh

@@@‘SŠp•ŕŽšVftfg,i,h,rR[fh,ðfZfbfg

@@@EfRf}f“fhfL[,ìŽÀs,ìê‡

@@@ã^ÊfofCfg,ÉfRf}f“fhfL[,m,D%o^ÊfofCfg,í,O

-ß,è'l,F,±,ìŠÖ”,É-ß,è'l,í, ,è,Ü,¹,ñB

”õ[FfRf}f“fhfL[,ìŽÀs,Å,ímfL[fRf}f“fhŸ'ènfjif...[Å“o~^,Å,«,é

@@@,P,V,V,íRf}f“fh,ŽÀs,Å,«,Ü,·B

@@@fRf}f“fhfL[,m,D,íæ“aiftf@fCf<FV,μ,ì-ŵj,a,O A

@@@ÅĀãi ‘O(ŵ),í} [fN^É'u,ðĀŸõ ŵj,a,P,V,U,ì,P,V,VŽí—p,Å,·B

—á'èF

main()

{

int c;

// fj[f\<^É'u,Ö,ì•ŕŽš,` ,ðo—í,μ,Ü,·B

PutChr('A');

// fRf}f“fhfL[,R,OĀĀŸõF,f,q,d,o,ìŽÀsŵj,ðŽÀs,μ,Ü,·B

PutChr(30 << 8);

// “Āã

c = 30;

PutChr(c << 8);

}



## int StrChr(int code, char \*str);

• int code, char \*str, char \*str, char \*str

```
int StrChr(int code, char *str) {  
    for (int i = 0; str[i] != '\0'; i++)  
        if (str[i] == code) return i;  
    return -1;  
}
```

```
int StrChr(int code, char *str) {  
    for (int i = 0; str[i] != '\0'; i++)  
        if (str[i] == code) return i;  
    return -1;  
}
```

int StrChr(int code, char \*str);

```
int StrChr(int code, char *str) {  
    for (int i = 0; str[i] != '\0'; i++)  
        if (str[i] == code) return i;  
    return -1;  
}
```

int main()

```
{  
    char *str;  
  
    str = "OPQRSTUVWXYZ";  
    StrChr('X', str);  
}
```

## @InKeyCmd();

•ŕŽšA-“,íL[fRf}f“fh,ì“ü—í,đA“ü—í,ª, ,é,Ü,Á‘Ò,Á,ÄŽó,~Žæ,è,Ü,·B  
§Eä•ŕŽš(20H^È%º,ì•ŕŽš),í“ü—í,µ,Ü,¹,ñB  
,l,lGfffBf^95 ,ì,·,x,Ä,ìEfcf“fhfE,ìL[fRf}f“fh“ü—í,ª‘îÛ,Á,·B

-ß,è‘lFfE”¼Šp•ŕŽš“ü—í,ìê‡  
@@@@ã^ÊfofCfg,í,O%Aº^ÊfofCfg,Ö•ŕŽšR[fh  
@@@E‘SŠp•ŕŽš“ü—í,ìê‡  
@@@fVftfg,i,h,rR[fh  
@@@Erf}f“fhfL[“ü—í,ìê‡  
@@@ã^ÊfofCfg,Érf}f“fhfL[,m,DDº^ÊfofCfg,í,O

“đF,±,ìŠÖ“,íL[f{[fh‘Ò,¿,ìó‘Ô,đ,Â,,è,l,lGfffBf^95 ,Ö,ìL[f{[fh“ü—í,đ  
@@@ftfbfN%iº;Žæ,èj,µ,Ä•ŕŽšA-“,íL[fRf}f“fh,ì“ü—í,đ,µ,Ü,·B  
@@@,±,ìŠÖ“,ÁL[f{[fh‘Ò,¿,ìó‘Ô,É, ,é,Æ,«,íA¼,ìfLfxfgfEfcf“fhfE,đ  
@@@fAfNfefBfu,É,µ,Ä,»,±,ÁL[f{[fh“ü—í,đ,µ,Ä,à,±,ìŠÖ“,áL[f{[fh“ü—í

@@@,đ%º;Žæ,è,µ,Ü,·,ì,Á,²^Ó%º,³,‡B  
—á‘èF,±,é,ì·f}fNf,ìê•“,Á,·B  
@@@—¹L[ifRf}f“fhfL[ 10j,º%ÿ,³,é,é,Ü,Á,l,lGfffBf^95 ,ì  
@@@,·,x,Ä,ìL[,đ%º;Žæ,è,µ,Ä,»,é,¼,é,ì^—,đ,µ,Ü,·B  
main()  
{

```
while(1)
{
  InKeyCmd();
  if(Result & 0xff) // •ŕŽš,ì“ü—í
    InMoji();
  else
  {
    c = Result >> 8;
    if(c == 10) // ,l,l,ì—¹L[[if}f...[,Ö-
      ß,éj
    return;
    else if(c == 49) // fšf^[f“fL[[iErü,ì·`
```

```

%oæ[]A[]Á<Ž[]j
    DrawKei();
    else if(c == 35 || c == 36) // ,PCEê
%oE,Ö[]A[]¶,ÖfL[][[ifTfCfY•İ[]X[]j
        HSize();
    else if(c == 43 || c == 44) //
fy[][fWfAfbfv[]Af_fEf“fL[][[ifTfCfY•İ[]X[]j
        VSize();
    else if(c >= 50 && c <= 60) //
[]s•Ò[]WfL[][[A,a,rfl[][,©,ç,s,`,afL[][,Ü,Å
        InMoji();
    else if(c == 66 || c == 67) // fuf[]fbfN,İfy[][fXfg[]i'£
,è•t,¯[]A'}“ü[]j
        InMoji();
    else
        PutChr(Result);
    }
}
}

```

**@KBCut());**

<éÇ`fuffbfN,đíœ,μ,Û,·B

-ß,è'I,F,±,ìŠÖ",É-ß,è'I,í, ,è,Û,¹,ñB

"õI,F,±,ìŠÖ",Íf}fNf}fvf}fOf%of€ blokcut.mac ,đ  
@@@@ÇÄ,Ño,·,±,Æ,É,æ,èŽÀÇ»,<sup>3</sup>,ê,Ä,ç,Û,·B

**@KBCopy();**

<é`fufbfN,đfRfs[,μ,Ü,·B

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ñB

"õlF,±,ìŠÖ",Íf}fNf}fvf}fOf%of€ blokcopy.mac ,đ  
@@@@Ä,Ño,·,±,Æ,É,æ,èŽÀ»<sup>3</sup>,ê,Ä,ç,Ü,·B

**@KBIns();**

<é`fufbfN,ð'}“ü,μ,Ü,·B

-ß,è'lF,±,ìŠÖ”,É-ß,è'l,í, ,è,Ü,¹,ñB

”õlF,±,ìŠÖ”,Íf}fNf}fvf}fOf%of€ blokins.mac ,ð  
@@@@Ä,Ño,·,±,Æ,É,æ,èŽÀ»³,ê,Ä,ç,Ü,·B

**@MacroEx(char \*macro);**

ŠO•"f}fNf[]fvf[]fOf%of€ ,đŽÀ[]s,μ,Ü,·[]B

fpf%of[]^[]Fchar \*macro[]@ŽÀ[]s,·,éŠO•"f}fNf[]fvf[]fOf%of€-¼,lfjCf"f^

-β,è'l[]F,±,ìŠÖ[]",É-β,è'l,í, ,è,Ü,<sup>1</sup>,ñ[]B

"ö[]I[]FŽÀ[]s,·,éf}fNf[]fvf[]fOf%of€,í[]m ŠÂ<< []Ý'è []nf[]jf...[][,.ì[]m "ú-  
{CEê,h,l,d,Æ,c,k,k[]A<N"@f}fNf[],ì[]\$CEä []n,ì[]m ŽÀ[]s,·,éf}fNf[],đ'u,-  
ftfHf<f\_,đŽw'è,μ,Ä%<sup>o</sup>,<sup>3</sup>,ç []n,ÄŽw'è,<sup>3</sup>,ê,½ftfHf<f\_,Ö[]A,<sup>3</sup>,ê,Ä,È,¯,ê,î,l,lfgfffBf^95  
,ì<N"@ftfHf<f\_,É,È,¯,ê,î,È,è,Ü,<sup>1</sup>,ñ[]B

—á'è[]Ff}fNf[]fvf[]fOf%of€ zenhan.mac ,đŽÀ[]s,μ,Ü,·[]B

main()

{

    MacroEx("zenhan.mac");

}

**@Beep();**

fr[fv%o<sup>1</sup>,ðo—í,μ,Ü,·B

-ß,è'lF,±,ìšÖ",É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ñB

"õIF



## @@FPrint(char \*fmt, arg1, ¥¥¥);

,bĀ¼Āĕ,ì•W€ŠÖ" printf(); ,ì,æ,ɹ,É fmt ,ì, ,Æ,É%Ā•ĪĀĀ,ì^ø" ,đŽ,Ā,±  
,Æ,ª,Ā,« fmt ,ì§Āä,ì,à,Æ,É,»,ì^ø" ,đ•ĪŠ•,μj[f^Ē'u,Ö,»,ì•ŲŽš—ñ,đo—  
Í,μ,Û,·B

- ŲŽš—ñ fmt ,ì't,Ā,Í % ,Æ,»,ì'±,«,ì•ŲŽš—ñ,É,æ,è•ĪŠ•'Ž® ,đŽw'è,μ,Û,·B
- ŲŽš—ñ fmt ,ì't,ì % ,Æ'Ī%ž,·,é^ø" ,ì" ,Í±,Ā,Ā,ç,é•K—v,ª, ,è,Û,·B

Ē•ŲŽš—ñ fmt ,ì't,ĀŽg—p,Ā,«,é'Ž®Žw'è,ìŽg—p—á

@%d @@@@P,Oi" ,Ö•ĪŠ•,μ,Û,·B

@%4d @@@@S•ŲŽš•,ì,P,Oi" ,Ö•ĪŠ•,μ,Û,·B

@@@@•ĪŠ•ŲŽš,ª,S•ŲŽš,É-ç,½,È,çê±,ÍXfy[fX,ª•t  
%Ā,ª,è,Û,·B

@%04d @@@@S•ŲŽš•,ì,P,Oi" ,Ö•ĪŠ•,μ,Û,·B

@@@@•ĪŠ•ŲŽš,ª,S•ŲŽš,É-ç,½,È,çê±,Í,O,ª•t%Ā,ª,è,Û,·B

@%s @@@@'Ī%ž,·,é•Ī" ,æ,è•ŲŽš—ñ,đ"ü—Í,μ,Û,·B

@%4s @@@@'Ī%ž,·,é•Ī" ,æ,è•ŲŽš—ñ,đ,S•ŲŽš"ü—Í,μ,Û,·B

fpf%of[f^Fchar \*fmt@'Ž®Žw'è,đŠÜ,p—Í•ŲŽš—ñ

@@@@arg1,¥¥¥@@@'Ž®,É'Ī%ž,μ,½%Ā•ĪĀĀ,ì^ø"

-β,è'l[F,±,ĪŠÖ" ,É-β,è'l,Í, ,è,Û,ª,ñB

"đ[F

—áè[FĀ»ŲÝ,ì"ú•t,đj[f^Ē'u,Öo—Í,μ,Û,·B

main()

{

int y, m, d;

GetDate(&y, &m, &d); // "ú•t,đ"¾,é

y = y - 1900;

FPrint("%02d/%02d/%02d",y, m, d); // —á[F95/05/31

}

**int @GetDate(int \*y, int \*m, int \*d);**

»Ý, ù•t, Žæ“¾, µ, Ü, ·B

fpf%of [f^ Fint \*y@ "N, ð“¾, é•ï” , ìfAfhfÆfX  
@@@@ @int \*m@ Ž, ð“¾, é•ï” , ìfAfhfÆfX  
@@@@ @int \*d@ “ù, ð“¾, é•ï” , ìfAfhfÆfX

-ß, è'l F, ±, ìŠÖ” , É-ß, è'l, í, , è, Ü, ¹, ñB

”öIF

**@GetWeek(int \*week);**

»Ý,ì—j“ú,đŽæ“<sup>3/4</sup>,μ,Ü,·B

'l,íA,Oi“új|@,Uiyj,ÅfZfbfg,<sup>3</sup>,ê,Ü,·B

fpf%of[f^Fint \*week@—j“ú,đ“<sup>3/4</sup>,é•Ï”,lfAfhfX

-ß,è'lF,±,ìŠÖ”,É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ňB

”öIF

**@GetTime(int \*h, int \*m, int \*s);**

»Ý,žž,žæ“¾,μ,Ü,·B

fpf%of[f^Fint \*h@žž,đ“¾,é•ï”,lfAfhfX  
@@@int \*m@•đ“¾,é•ï”,lfAfhfX  
@@@int \*s@•b,đ“¾,é•ï”,lfAfhfX

-ß,è'l,F,±,šÖ”,É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ňB

”ö|F

@KbHit();

,ç,.,ê,©,lfL[,ª%oÿ,³,ê,½,©,ð'²,x,Ü,·B

-ß,è'lFfL[,ª%oÿ,³,ê,Ä,ç,È,çê±,í,O,ðA

%oÿ,³,ê,½ê±,lfL[,lfR[fh(%¼'zfL[fR[fh),ð•Ô,µ,Ü,·B

%¼'zfL[fR[fh,É,Â,ç,Ä,Í¼'zfL[fR[fh^ê—,ð,²—,,¾,³,çB

”öIF

**int Open(char \*fname);**

```
int Open(char *fname, int mode) {  
    FILE *f;   
    if ((f = fopen(fname, mode)) != NULL)   
        return 1;   
    return 0;   
}
```

```
int main() {  
    Open("file.txt", "r");   
}
```

```
int main() {  
    Open("file.txt", "r");   
}
```

int main()

```
int main() {  
    Open("READ.TXT", "r");   
}
```

```
{  
    Open("READ.TXT");  
}
```

@Save();

»Ý,ìftj@fCf<“à—e,É•ïX,ª—L,ê,îAã‘,«•Û‘¶,µ,Û,·B

-ß,è'I,F,±,ìŠÖ”,É-ß,è'l,í, ,è,Û,¹,ñB

”õIIF

**@Close();**

fefLjXfgfEjCf“fhfE,đ•Â,¶,Û,·BfefLjXfg,ì“à—e,É•ïX,<sup>a</sup>, ,Á,Ä,à•Û‘¶,µ,È,ç  
,Å•Â,¶,Û,·,ì,ÅA Close(); ŽÀs‘O,É•Û‘¶,<sup>a</sup>•K—  
v,Èê¶,í•Â,¶,é‘O,É•Û‘¶iSave();¶j,đs,Á,Ä%<sup>o</sup>,<sup>3</sup>,çB

-ß,è‘I¶F,±,ìšÖ“,É-ß,è‘I,í, ,è,Û,<sup>1</sup>,ñB

”öI¶F



**@CloseAs());**

fefLjXfgfEjCf“fhfE,đ•Â,ŕ,Û,·□BfefLjXfg,ì“à—e,É•ï□X,<sup>a</sup>, ,ê,î•Â,ŕ,é'O,É•Û'ŕ,·,é,©,  
ìf□fbfZ□[fW,đ•Ž!,μ,ĂŠm”F,đ□s,ç,Û,·□B

-ß,è'l□F,±,ìŠÖ□”,É-ß,è'l,í, ,è,Û,<sup>1</sup>,ñ□B

”ö□I□F

## @Getline(char \*line);

```
CE»Ýs i·Ž!s j,ì“à—e,đ line ,ÖŽæ“¾,μ,Û,·B
%ü s,Å,í,Á,Ä,ç,é s,à%ü s,íŠÛ,Û,ê,Û,¹,ňB
·Žš—ň line ,ìÅĚă,Ö,ífkf<·Žš(‘\0’),ª·t%Á,³,ê,Û,·B
line ,íCE»Ý,ì·Ž!s1s,ì·,³,æ,è‘â,«,ç”z—ňfGfŠfA,đŠm·Û,μ,Ä%º,³,çB
1s,ì·Ž!·Žš” ,ìÅ‘â,í250·Žš,Å,·,ì,ÅÖ‘¥·Žš“™ ,à|—
¶,μ,Ä260·ŽšŠm·Û,μ,Ä,“,̂,î-œ‘S,Å,·B
```

```
fpf%of[f^Fchar *line@CE»Ýs,ì“à—e,đóŽæ,éfofbftf@
```

```
-ß,è‘lF,±,ìŠÖ” ,É-ß,è‘l,í, ,è,Û,¹,ňB
```

```
”õ|F
```

```
—á‘èFCE»Ýs i·Ž!s j,ì“à—e,đ line ,ÖŽæ“¾,μ,Û,·B
```

```
main()
```

```
{
```

```
    char line[260];
```

```
    Getline(line);
```

```
}
```

## @Getline2(char \*line);

```
CE»Ýs[i]\Z!s[j],l"à—e,ð%æ-Ê,lCf[]fW,Å line ,ÖŽæ"¾,μ,Û,·B
,Â,Û,èf^fu•ŕŽš,æ%æ-Ê,Åè,β,Ä,ç,é•ŕŽš•â,lGfŠfA,É"WŠJ,¾,ê,Ä line
,ÖŽæ"¾,¾,ê,Û,·B
,μ,½,æ,Á,Äf^fu•ŕŽš,æ, ,éê±,àAfj%ofÉ^Ê'u,ì•ŕŽš,ð³Šm,É"¾,é,±
,Æ,æ,Ä,«,Û,·B
line[30-1] ,Â,»,l'O,Éf^fu•ŕŽš,æ, ,Á,Ä,à,R,Ojff%ofÉ^Ê'u,ì•ŕŽš,ð¾,é,±
,Æ,æ,Ä,«,Û,·B
%üs,Ål,í,Á,Ä,ç,éqs,à%üqs,íŠÛ,Û,ê,Û,¹,ñB
•ŕŽš—ñ line ,lÅÆã,Ö,lkfk•ŕŽš('\0'),æ•t%Á,¾,ê,Û,·B
line ,lCE»Ý,l\Z!s1s,l'•,¾,è'â,«,ç"z—ñfGfŠfA,ðŠm•Û,μ,Ä%º,¾,çB
1s,l\Z!•ŕŽš",lÅ'â,l250•ŕŽš,Å,·,ì,Å<Ö'¥•ŕŽš"™,àl—
ŕ,μ,Ä260•ŕŽšŠm•Û,μ,Ä,·,î-œ'S,Å,·B
```

```
fpf%of[]f^Fchar *line[]@CE»Ýs,l"à—e,ðóŽæ,éfofbftf@
```

```
-β,è'lF,±,lŠÖ",É-β,è'l,í, ,è,Û,¹,ñB
```

```
"ö[]F
```

```
—á'èFCE»Ýs[i]\Z!s[j],l"à—e,ð line ,ÖŽæ"¾,μ,Û,·B
```

```
main()
```

```
{
```

```
    char line[260];
```

```
    Getline2(line);
```

```
}
```

## @GetFileName(char \*fname);

```
CE»Ý•ÒW't,ìftf@fCf<-¼,ðfhf%oofCfu-¼AftfHf<f_-¼,ðŠÜ,pftf<fpfX,Å fname  
,ÖŽæ“¾,µ,Ü,·B  
ftf@fCf<-¼,íÅ'å256•¶Žš(ÅÆä,ìkf<•¶Žš,Ü,ÅŠÜ,ñ,Å),É,È,è,Ü,·,ì,Å fname  
,ìGfŠfA,í256•¶Žš,íŠm•Û,³,è,Ä,“,ç,Ä%oº,³,çB
```

```
fpf%of[]f^Fchar *fname@ftf@fCf<-¼,ðŽóŽæ,éfofbftf@
```

```
-ß,è'lF,±,ìŠÖ“,É-ß,è'l,í, ,è,Ü,¹,ñB
```

```
”öIF
```

```
—á'èFCE»Ý•ÒW't,ìftf@fCf<-¼,ð fname ,ÖŽæ“¾,µ,Ü,·B  
main()  
{  
    char fname[256];  
  
    GetFileName(fname);  
}
```

`@WinExec(char *fname);`

ŠO•”,ìfAfvfŠfP[fVf#f“f\ftfg,đ<N“® ,μ,Û,·B  
fpf%of[f^[,đ“n,·ê# ,Í<N“®,·,éftf@fCf<-  
¼,ìĚă,É”¼ŠpfXfy[fX,Å<æ∅,Á,Ä‘,ç,Ä%º,³,çB

fpf%of[f^Fchar \*fname@<N“®,·,éftf@fCf<-¼

-ß,è'lF<N“®,É-Ě÷,μ,½ê# ,Í,O^ÈŠO,ì'l,đ•Ô,μ,Û,·B

”öIF

—á'èFMmSetup.exe ,đfpf%of[f^,Æ,μ,ÄĚ»Ý•ÒW't,ìftf@fCf<-  
¼,đ“n,μ,Ä<N“®,μ,Û,·

main()

{

char s[500], fname[256];

GetFileName(fname);

Strcpy(s, "MmSetup.exe ");

Strcat(s, fname);

WinExec(s);

}

**@Message(char \*message);**

f\bZ[fW,đ•\Ž!,μ,Ü,·B

fpf%of[f^Fchar \*message@•\Ž!,·,éf\bZ[fW•¶Žš—ň

-ß,è'lF,±,ìŠÖ",É-ß,è'l,í, ,è,Ü,<sup>1</sup>,ñB

"öIF

—á'èFf\bZ[fW,đ•\Ž!,μ,Ü,·B

main()

{

    message("MmSetup.exe ,đ<N"®,μ,Ü,·B");

}

## Menu(char \*\*tbl, int count);

```
tbl, Éÿ'è,³,ê,½fjff...[][-Ú,ðAccount ĆÂ,Æ,μ,Äfjff...[],ð·Ž!,μ,Û,·B
count ĆÂ•ª tbl, Ö,Ífjff...[][-Ú,ªÿ'è,³,ê,Ä,ç,È,¯,ê,Î,È,è,Û,¹,ňB
fjff...[],ì"r't,ÉfZpf[]f^,ð"ü,ê,½,ç[]ê±,ÍA,»,-Ú,Ö,Í•Źš,ì'S,,È,ç•Źš—
ňiNULL•Źš—ňj,ðÿ'è,μ,Ä%º,³,çB
```

```
fpf%[]f^[]Fchar **tbl[]fjff...[][-Ú,ðfZfbfg,μ,½fe[]fuf<,lfAfhf[]fX
[]@[]@[]@[]@[]@[]@int count[]@[]fjff...[][-Ú,ì"
```

```
-ß,è'[]F[]æ"ª,[][-Ú,ð,O,Æ,μ,½'l'ð,³,ê,½[][-Ú,ì^Ê'u,ª•Ô,è,Û,·B
[]@[]@[]@[]@fZpf[]f^,Í[-Ú,Â,Í,È,ç,ì,Â^Ê'u,Í, ,è,Û,¹,ňB
[]@[]@[]@[]@[ESC]fL[],ª%ÿ,³,ê,½[]ê±,Í[],P,ª•Ô,è,Û,·B
```

```
"ð[]F
```

```
—á'è[]Ffjff...[],ð·Ž!,μ,Ä'í%ž,·,éŠO•",ìf}fNf[],ð<N"® ,μ,Û,·B
[]@[]@[]@,±,ì—á,Â,Í s[2],ÍfZpf[]f^,Â,·B
main()
```

```
{
    char *s[4];

    s[0] = "ŠO•"}fNf[] Test1.mac ,ð<N"® ,μ,Û,·";
    s[1] = "ŠO•"}fNf[] Test2.mac ,ð<N"® ,μ,Û,·";
    s[2] = "";
    s[3] = "ŠO•"}fNf[] Test3.mac ,ð<N"® ,μ,Û,·";

    Menu(s, 4);
    if(Result == 0)
        MacroExec("Test1.mac");
    else if(Result == 1)
        MacroExec("Test2.mac");
    if(Result == 2)
        MacroExec("Test3.mac");
}
```





## @GetKeyState(int key);

Žw'è,μ,½fL[f{[fh,lfL[ key ,ª%oÿ,³,ê,Ä,ç,é,©,Ç,æ,©,ð'²,x,Ü,·B  
SHIFTfL[,ìê[í 0x10 CTRLfL[,ìê[í 0x11 CAPSLOCKfL[,ìê[í 0x14  
,ðŽw'è,μ,Ä%oº,³,çB  
,»,'¼,lfL[,É,Â,ç,Ä,í%o¼'zfL[fr[fh^ê— ,ð,²—,,¾,³,çB  
Windows API GetKeyState(); ,Æ%o¼'zfL[fr[fh,ìŽd—l,í“~,¶,Å,·B

fpf%of[f^fint key[@%oÿ,³,ê,Ä,ç,é,©,Ç,æ,©'²,x,éfL[

-ß,è'l[FfL[,ª%oÿ,³,ê,Ä,ç,éê[í,P[A%oÿ,³,ê,Ä,ç,È,çê[í,O,ª•Ô,è,Ü,·B

”õ[F

—á'è[FSHIFTfL[,ª%oÿ,³,ê,Ä,ç,é,©'²,x,Ä,ç,Ü,·B

main()

{

    GetKeyState(0x10);

}

**int Strcpy(char \*dest, char \*src);**

- if (src == 0) return dest;
- if (src != 0) dest = src;

```
char *dest = 0;
char *src = "MmSetup.exe";
strcpy(dest, src);
```

if (src == 0) return dest;

if (src != 0) dest = src;

return dest;

```
int main()
{
    char s[500], fname[256];
    GetFileName(fname);
    Strcpy(s, "MmSetup.exe ");
    Strcat(s, fname);
    WinExec(s);
}
```

**void Strcat(char \*dest, char \*src);**

src ,đ dest ,ì ÅĚã,Ö'Ç%oÁ,μ,Ü,·B  
dest ,í src ,đ'Ç%oÁ,μ,Ä,Å,«, ,ä,é•ŕŽš—ñ,đŠi"[o—^,é,¾,¯\•ä,ÈfGfŠfA,ä•K—  
v,Å,·B

fpf%of[] [f^ Fchar \*dest[]@'Ç%oÁ[]æ,ì•ŕŽš—ñ  
[]@[]@[]@[]@[]@[]@char \*src[]@[]@'Ç%oÁ[]Ě³,ì•ŕŽš—ñ

-ß,è'l[]F,±,ìŠÖ[]",É-ß,è'l,í, ,è,Ü,¹,ñ[]B

"ö[]I[]F

—á'è[]FMmSetup.exe ,đfpf%of[] [f^ ,Æ,μ,ÄĚ»[]Ý•Ò[]W'†,ìftf@fCf<-  
¾,đ"n,μ,Ä<N"® ,μ,Ü,·

```
{  
    char s[500], fname[256];  
  
    GetFileName(fname);  
    Strcpy(s, "MmSetup.exe ");  
    Strcat(s, fname);  
    WinExec(s);  
}
```

**@Strcmp(char \*s1, char \*s2);**

•ŕŽš—ň s1 ,Æ s2  
,ì†,ìŠe•ŕŽš,đ'â•ŕŽš,Æ□→•ŕŽš,đ<æ•Ê,μ,Ä"äŠr,μ,Ü,·□B"äŠr,ÍŠe•ŕŽš—ň,ì□Å□%  
,ì•ŕŽš,©,çŽn,ß,Ä□A'Î%ž,·,é•ŕŽš,É^Ù,È,é,à,ì,ªÆ©,Â,©,é,©□A,Ü,½,Í•ŕŽš—  
ň,ì□ÅÆã,É'B,·,é,Ü,Å'±,¯,Ü,·□B

fpf%of□□[f^□Fchar \*s1, char \*s2

-ß,è'l□F•ŕŽš—ň,ª"¯,ŕ□ê□‡,Í,O□As1 ,ª s2 ,æ,è□→,ª,ç□ê□‡,Í•%o,ì'l□As1 ,ª s2  
,æ,è'â,«,ç□ê□‡,Í□³,ì'l

"õ□□F

—á'è□F•Ò□W'†,ìfefLfXfg,ª□‡'v,È,ç MmSetup.exe ,đ<N"® ,μ,Ü,·□B

main()

{

char fname[256];

GetFileName(fname);

Strcmp(fname, "d:.doc");

if(Result == 0)

WinExec("MmSetup.exe");

}

**int Strcmpi(char \*s1, char \*s2);**

Strcmpi, Strcmp

Strcmpi: Compares two strings case-insensitively. Returns an integer less than, equal to, or greater than zero if the first string is found to be less than, equal to, or greater than the second string.

int strcmpi(char \*s1, char \*s2)

Strcmpi: Compares two strings case-insensitively. Returns an integer less than, equal to, or greater than zero if the first string is found to be less than, equal to, or greater than the second string.

int strcmpi

Strcmpi: Compares two strings case-insensitively. Returns an integer less than, equal to, or greater than zero if the first string is found to be less than, equal to, or greater than the second string.

MmSetup.exe, Microsoft, Windows

main()

{

char fname[256];

GetFileName(fname);

Strcmpi(fname, "d:.doc");

if(Result == 0)

WinExec("MmSetup.exe");

}

**@Strlen(char \*str);**

• Žš—ñ src ,ì'·,³,ð'²,x,Û,·B  
'·,³,í•Žš—ñ,ì|,í,è,ìf|k|<•Žš,ð|œ,ç,½'·,³,Å,·B

f|f%oof|f^|Fchar \*str|@'·,³,ð'²,x,é•Žš—ñ

-ß,è'l|F•Žš—ñ src ,ì'·,³,ð•Ô,μ,Û,·B

"ö|F

—á'è|F•Ô|W't,ìft|@f|C|f<-¼,ì'·,³,ð'²,x,Û,·B

main()

{

char fname[256];

GetFileName(fname);

Strlen(fname);

}



**itoa(int value, char \*str);**

itoa(value, str, 10) converts the integer value to a string in base 10. The str pointer must point to a buffer of at least 12 characters. The str buffer must be large enough to hold the string representation of the value, including the null terminator. The str buffer must be a character array, not a string literal.

itoa(value, str, 16) converts the integer value to a string in base 16. The str pointer must point to a buffer of at least 12 characters. The str buffer must be large enough to hold the string representation of the value, including the null terminator. The str buffer must be a character array, not a string literal.

itoa(value, str, 2) converts the integer value to a string in base 2. The str pointer must point to a buffer of at least 12 characters. The str buffer must be large enough to hold the string representation of the value, including the null terminator. The str buffer must be a character array, not a string literal.

itoa(value, str, 8) converts the integer value to a string in base 8. The str pointer must point to a buffer of at least 12 characters. The str buffer must be large enough to hold the string representation of the value, including the null terminator. The str buffer must be a character array, not a string literal.

itoa(value, str, 10) converts the integer value to a string in base 10. The str pointer must point to a buffer of at least 12 characters. The str buffer must be large enough to hold the string representation of the value, including the null terminator. The str buffer must be a character array, not a string literal.

main()

{

char s[20];

itoa(250, s);

}



**memset(char \*s, int c, int n);**

s, aŽw, "z—ñ, ìæ"ª, ©, ç n fofCfg, É•¶Žš c , đfZfbfg, μ, Ü, ·B

fpf%of [f^Fchar \*s, int c, int n

-ß, è'lF, ±, ÌŠÖ", É-ß, è'l, í, , è, Ü, ¹, ñB

"öIF

—á'èFs , aŽw, "z—ñ, ìæ"ª, ©, ç 20fofCfg, đ , O , Å-,, ß, Ü, ·B

main()

{

char s[20];

memset(s, 0, 20);

}

**Strstr(char \*s1, char \*s2);**

• Strstr("à,É", "X,T") returns the address of the first occurrence of "X,T" in "à,É", which is the start of the string.

Strstr("à,É", "X,T")

Strstr("à,É", "X,T") returns the address of the first occurrence of "X,T" in "à,É", which is the start of the string.

Strstr("à,É", "X,T")

Strstr("à,É", "X,T") returns the address of the first occurrence of "X,T" in "à,É", which is the start of the string.

main()

{

char \*s;

s = "à,É,X,T";

Strstr(s, "X,T");

}

**int Strstri(char \*s1, char \*s2);**

”¼Šp%op”Žš,ì’â•¶Žš,Æ□¬•¶Žš,ð<æ•Ê,¹,,É  
•¶Žš—ñ s1 “à,É•¶Žš—ñ s2 ,ª□Å□%o,ÉŒ»„ê,é^Ê’u,ð•Ô,µ,Û,·□B

fpf%of□□[f^□Fchar \*s1, char \*s2

-ß,è’l□Fs1 ,ì□æ“ª^Ê’u,ð,O,Æ,µ,½’l,ÅŒ©,Â,©,Á,½^Ê’u,ð•Ô,µ,Û,·□B  
□@□@□@□@Œ©,Â,©,ç,È,ç□ê□‡,í □|,P ,ð•Ô,µ,Û,·□B

”õ□□F

—á’è□Fs “à,É "editor" ,ìŒ»„ê,é^Ê’u,ð’T,µ,Û,·□BŒ<%oÊ,í fVfXfef€•ï□” Result ,Ö  
2 ,ª•Ô,è,Û,·□B

main()

{

char \*s;

s = "MMEditor 95";

Strstri(s, "editor");

}

**@GetCurrentDirectory(char \*dir);**

GetCurrentDirectory(0, dir);

GetCurrentDirectory(0, dir);

GetCurrentDirectory(0, dir);

GetCurrentDirectory(0, dir);

GetCurrentDirectory(0, dir);

GetCurrentDirectory(0, dir);

GetCurrentDirectory(0, dir);

{

char dir[256];

GetCurrentDirectory(0, dir);

}

**@LoadLibrary(char \*fname);**

,t,Ž,□,□,... ,ÅŽw'è,μ,½,c,k,k,đf□□[fh,μ,Ü,·□B

fpf%of□□[f^□Fchar \*fname

-ß,è'l□Ff□□[fh□-Æ÷,ì□ê□#fnf“fhf<”Ô□†,ª•Ô,è,Ü,·□BŽ, ”s,ì□ê□#,í □|,P  
,ª•Ô,è,Ü,·□B

”ö□I□F

—á'è□F,c,k,k Menubar.DLL ,đf□□[fh,μ,Ü,·□B

main()

{

    LoadLibrary("Menubar.DLL");

}

**@FreeLibrary(int handle);**

, ^, , Ž, ,, , Æ, ... , Å Ž w ' è , μ , ½ , c , k , k , đ f f , f Š , © , ç Š J • ú , μ , Ü , · B

f p f % o f [ f ^ f i n t h a n d l e @ Š J • ú , , é , c , k , k , l f n f " f h f < " Ô t

- ß , è ' l F , ± , l Š Ö " , É - ß , è ' l , í , , è , Ü , ¹ , ñ B

" ö I F

— á ' è F f n f " f h f < " Ô t h a n d l e , l , c , k , k , đ Š J • ú , μ , Ü , · B

main()

{

int handle;

LoadLibrary("Menubar.DLL");

handle = Result

.....

.....

LoadLibrary(handle);

}

**@SetWindowText(char \*text);**

• ¶Žš—ñ text ,đfEfCf“fhfE,lfLfffvfVf†f“,Ö•\Ž!,μ,Ü,·□B

fpf%of□□[f^□Fchar \*text

-β,è'l□F,±,ìŠÖ□“,É-β,è'l,í, ,è,Ü,<sup>1</sup>,ñ□B

”ö□I□F

—á'è□F•Ò□W't,ìftf@fCf<-<sup>1</sup>/<sub>4</sub>,đŽæ“<sup>3</sup>/<sub>4</sub>,μ,ÄfLfffvfVf†f“,Ö•\Ž!,μ,Ü,·□B

main()

{

char fname[256];

GetFileName(fname);

SetWindowText(fname);

}

**@GetWindowText(char \*text);**

fEjCf"fhfE,lfLfffvfVf#f",Ö\Ž!,<sup>3</sup>,ê,Ä,ç,é"à—e,ð•¶Žš—ñ text ,ÖŽæ"<sup>3</sup>/<sub>4</sub>,μ,Û,·□B

fpf%of□□[f^□Fchar \*text

-ß,è'l□Ftext ,ÖŽæ"<sup>3</sup>/<sub>4</sub>,μ,<sup>1</sup>/<sub>2</sub>•¶Žš□"□B

"ö□I□F

,",...,~,",)fGfŠfA,Í,Q,T,U•¶Žš^È□ăŠm•Û,μ,Ä%o<sup>o</sup>,<sup>3</sup>,ç□B

—á'è□FfLfffvfVf#f",É\Ž!,<sup>3</sup>,ê,Ä,ç,é"à—e,ðŽæ"<sup>3</sup>/<sub>4</sub>,μ,Äfj□[fj<^Ê'u,Ö□',«□ž,Ý,Û,·□B  
main()

{

char fname[256];

GetWindowText(fname);

PutStr(fname);

}



## `@LOpen(char *fname, int mode);`

```
ff[f^,ì“Ç,Ý‘,«,ì,½,ß,Éftf@fCf< fname ,ðf[fvf“ ,μ,Û,·B
ftf@fCf<“à,ìff[f^,ð“Ç,Ý‘,«,·,é,½,ß,É LRead(); ,â LWrite());
,ðŽg,π‘O,ÉÆÄ,Ño,μ,Û,·B
```

```
fpf%of[f^Fchar *fname@f[fvf“ ,·,éftf@fCf<-¼•¶Žš—ñ
@@@@int mode@@ftf@fCf<,Ö,ìfAfNfZfX•û-@
@@@“Ç,Ýo,μê—
p,Éftf@fCf<,ðf[fvf“
@@@P@@‘,«ž,Ýê—
p,Éftf@fCf<,ðf[fvf“
@@@Q@@“Ç,Ý‘,«—p,Éftf@fCf<,ðf[fvf“
```

```
-ß,è‘f[fvf“o—^,½ê‡,íftf@fCf<fnf“fhf<”ÔtAŽ,“s,ìê‡,í |,P
,ð•Ô,μ,Û,·B
```

”öfF

```
—á‘èFftf@fCf< test.txt ,ðf[fvf“ ,μ,Äftf@fCf<,ì“à—e,ð“Ç,Ýž,Ý,·,x,Ä•\
Ž!,μ,Û,·B
```

main()

{

```
int handle;
char buf[300];
int slns, slnd;
```

```
slns = lns;
slnd = lndent;
lnsMode(1);
Alndent(0);
```

```
LOpen("test.txt", 0); // ftf@fCf<,ðf[fvf“ ,·,é
if(Result == -1)
return;
```

```

handle = Result;
while(1)
{
    KbHit();
    if(Result == 0x1b) // [ESC],^%oY,^,ê,½,ç't'f
        break;
    Memset(buf, 0, 256); // "Ç,Ý[]ž,Ýfofbftf@fNfŠfA[][
    LRead(handle, buf, 255); // []Å'å255fofCfç"Ç,Ý[]ž,Ý
    if(Result == -1)
        break;
    PutStr(buf); // ff[]f^,ð%ooæ-Ê,Ö•\Ž;
    if(Result < 255) // 255fofCfç^È%ooº,ì"Ç,Ý[]ž,Ý,È,ç[]ÅÆã,ìff[]f^
        break;
}
LClose(handle); // ftf@fCf<,ð•Â,¶,é
InsMode(sIns);
AIndent(sInd);
}

```

## @LCreat(char \*fname);

```
"Ç,Ý[]o,µ[]',«[]ž,Ý%o"Å"\,È'Ê[]í,ìffBfXfNftf@fCf<,ð[]V,½,É[]ì[]¬,µ,Û,·[]B
Žw'è,³,ê,½ftf@fCf< fname
,³'¶[]Ý,µ,È,ç[]ê[]‡,í[]V,½,Éftf@fCf<,ð[]ì[]¬,µ[]A,·,Å,É'¶[]Ý,·,é[]ê[]‡,í,»),ìftf@fCf<,ðf[][
fvf",µ,ÄfTfCfY,ð,OfofCfG,É,µ,Û,·[]B
```

```
fpf%of[]^[]Fchar *fname[]@f[][fvf",·,éftf@fCf<-¼•¶Žš—ñ
```

```
-ß,è'ì[]F[]ì[]¬[]o—^,½[]ê[]‡,ìftf@fCf<fnf"fhf<"Ô[]+[]AŽ,"s,ì[]ê[]‡,í[]|,P ,ð•Ô,µ,Û,·[]B
```

```
"ö[]I[]F
```

```
—á'è[]FŠT'¶,ìftf@fCf< test.txt ,ðf[][fvf",µ,Ä []V,µ,[]ì[]¬,µ,½ newtext.txt
```

```
ftf@fCf<,Ö
```

```
[]@[]@[]@ftf@fCf<,ì"à—e,ð,·,×,ÄfRfs[][,µ,Ä,ç,Û,·[]B
```

```
main()
```

```
{
```

```
    int handle, nhandle;
```

```
    char buf[300];
```

```
    LOpen("test.txt", 0); // fRfs[][Æ³,ìftf@fCf<,ðf[][fvf"
```

```
    if(Result == -1)
```

```
        return;
```

```
    handle = Result;
```

```
    LCreat("newtext.txt"); // fRfs[][[]æ,ìftf@fCf<,ð[]V,µ,[]ì[]¬
```

```
    if(Result == -1)
```

```
    {
```

```
        LClose(handle);
```

```
        return;
```

```
    }
```

```
    nhandle = Result;
```

```
    while(1)
```

```
    {
```

```
        KbHit();
```

```

if(Result == 0x1b) // [ESC], ¢%öÿ,³,ê,½,ç't'f
    break;
LRead(handle, buf, 256); // Å'å256fofCfg“Ç,Ýž,Ý
if(Result <= 0) // ff[f^fGf“fh,©fGf%o[[
    break;
LWrite(nhandle, buf, Result); // “Ç,Ýž,ñ,¾fofCfg,ð',«ž,Ý
if(Result < 256) // 256fofCfg^È%oº,ì“Ç,Ýž,Ý,È,çÅÆã,ìff[f^
    break;
}
LClose(handle); // ftf@fCf<,ð•Â,¶,é
LClose(nhandle); // ftf@fCf<,ð•Â,¶,é
}

```

## int LSeek(int handle, int offset, int org);

ffBfXfNftf@fCf<"à,ì•Ê,ì^Ê'u,Öftf@fCf<f|fCf"f^,đ^Ú"® ,μ,Û,·□B  
, ,ç,©,¶,β LCreat();□ALOpen();,ì,ç,Ã,ê,©,Åf|□[fvf" ,μ,Ä," ,ç,½ftf@fCf<f|  
fCf"f^,ì^Ê'u,đ•ï□X,μ,Û,·□B  
ftf@fCf<f|fCf"f^,í LRead(); ,â LWrite(); ,Å□^—□,đŠŽn,·,é^Ê'u,đŽ!,μ,Û,·□B

fpf%of□□[f^□Fint handle□@'î□Û,Æ,·,éftf@fCf<,lfnf"fhf<"Ô□†  
□@□@□@□@□@□@int offset□@f|fCf"f^,ì^Ú"®fofCfg□"  
□@□@□@□@□@□@int org□@□@f|fCf"f^,ì^Ú"®•ûÆü  
□@□@□@□@□@□@,0□@□@□@□@□@ftf@fCf<f|fCf"f^,đftf@fCf<,ì□æ"ª,©,ç  
,□,†,†," ,..., " fofCfg^Ú"® ,·,é  
□@□@□@□@□@□@□@□@□@□@□@□@□@□@□@□@,□,†,†," ,..., " ,Æ ,□,'‡ ,ì—  
¼•û,đ,0,É,·,é,Æ□Af|fCf"f^,íftf@fCf<,ì□æ"ª,Ö^Ú"® ,·,é  
□@□@□@□@□@□@, P□@□@□@□@□@□@ftf@fCf<f|fCf"f^,đftf@fCf<,ìÆ»□Ý^Ê'u,©,ç  
,□,†,†," ,..., " fofCfg^Ú"® ,·,é  
□@□@□@□@□@□@, Q□@□@□@□@□@□@ftf@fCf<f|fCf"f^,đftf@fCf<,ì□I,í,è,©,ç  
,□,†,†," ,..., " fofCfg^Ú"® ,·,é

-β,è'□Fftf@fCf<,ì□æ"ª,©,çftf@fCf<f|fCf"f^,Û,Å,ì|ftfZfbfg□B

"đ□□F

—á'è□F

main()

{

    LSeek(handle, 0, 0); // ftf@fCf<f|fCf"f^,đftf@fCf<,ì□æ"ª,Ö^Ú"® ,μ,Û,·□B

    LSeek(handle, 10, 1); // ftf@fCf<f|

fCf"f^,đÆ»□Ý^Ê'u,©,ç10fofCfgÆã,ë,Ö^Ú"® ,μ,Û,·□B

    LSeek(handle, 0, 2); // ftf@fCf<f|fCf"f^,đftf@fCf<,ì□I',Ö^Ú"® ,μ,Û,·□B

}

## @LClose(int handle);

ffBfXfNftf@fCf<,đfNf[]fY,μ,Ü,·B  
LCreat();ALOpen();,ì,ç,Ã,ê,©,Åf[]fvf“,μ,½ffBfXfNftf@fCf<,đfNf[]fY,μ,Ü,·B  
fNf[]fY,·,é,Æ,·,®,Éftf@fCf<fnf“fhf<”Ô†,í-³Æø,Æ,È,è,Ü,·B  
fNf[]fY,³,ê,½ftf@fCf<,íÄf[]fvf“,³,ê,é,Ü,Å“Ç,Ý“,«o—^,Ü,¹,ñB

fpf%of[]f^[]Fint handle fNf[]fY,·,éftf@fCf<,ìfnf“fhf<”Ô†

-ß,è'[]Fftf@fCf<,afNf[]fY,³,ê,½ê[]#,í,O[]AfGf%o[],ìê[]#,í-,P,ð•Ô,μ,Ü,·B

”ö[]F

ftf@fCf<,đ[]-μ,½,èf[]fvf“,μ,½Æã,íA•K, fNf[]fY,μ,È,¯,ê,î,È,è,Ü,¹,ñB  
ftf@fCf<,đf[]fvf“,μ,½,Ü,Ü|—¹,μ,½ê[]#A,»,ìftf@fCf<,Å,ìff[]f^,ì“,«ž,Ý,ª”½  
%of,³,ê,Ä,ç,È,©,Á,½,èÅ^«,ìê[]ftf@fCf<,ì“à—e,ª%ó,ê,é,±,Æ,à, ,è,Ü,·B

—á'è[]FLOpen());, LCreat();,ì—á,ð,²—,¾,³,çB

**int fread(int handle, char \*buf, int bytes);**

fread  
fread, ©, ç, Š, Ž, n, μ, Ä, AfffBfXfNftf@fCf<, ©, çff[f^, đ“Ç, Ýo, μ, Ü, ·B  
Å%, Éftf@fCf<, đf[fvf“, μ, ½, Æ, «, ÍAftf@fCf<f|  
fCf“f^, ðftf@fCf<, ðæ“a, ÉÝ“è, ³, ê, Ä, ç, Ü, ·B  
LRead(); , đŽg, çff[f^, đ“Ç, Ýo, ·, É], çf|  
fCf“f^, Í“Ç, ÝŽæ, Á, ½fofCfg“, ¾, ^Ú“ ®, μ, Ü, ·B  
f|fCf“f^, ðftf@fCf<“à, ð^É‘u, ÍALSeek(); , Å·İXo—^, Ü, ·B

fpf%ff[f^fint handle@‘ÍÛ, Æ, ·, éftf@fCf<, ðfnf“fhf<”Ô†  
@@@char \*buf@@@ff[f^, đ“Ç, Ýž, Pfofbftf@  
@@@fofbftf@, ðTfCfY, Í, È, Æ, à , , , “™, ” , , , , , “  
•K—v, Å, ·  
@@@int bytes@@@“Ç, Ýo, ·fofCfg”

-ß, è‘ÍFftf@fCf<, ©, çŽÀÛ, É“Ç, ÝŽæ, Á, ½fofCfg”BfGf%o[. ðê‡, Í ], P  
, đ•Ô, μ, Ü, ·B

”ðIF

—á‘èFLOpen(); CLCreat(); , ð—á, đ, ²—, , ¾, ³, çB

**int LWrite(int handle, char \*buf, int bytes);**

```
ftf@fCf<f|
fCf“f^,ìĀ»Ÿ^Ê'u,©,çŠŽn,μ,ÄAfffBfXfNftf@fCf<,Öff[f^,đ',«ž,Ý,Ü,·B
  Å%o,Éftf@fCf<,đf|[fvf“,μ,½,Æ,«,íAftf@fCf<f|
fCf“f^,ìftf@fCf<,ìæ“a,ÉŸ'è,³,ê,Ä,ç,Ü,·B
LWrite();,đŽg,çff[f^,đ',«ž,p,É],çf|
fCf“f^,í',«ž,ň,¾fofCfg“,¾,¯ftf@fCf<,ìl,í,è,Ö^Ú“®,μ,Ü,·B
f|fCf“f^,ìftf@fCf<“à,ìÊ'u,íALSeek();,Å•ïXo—^,Ü,·B
```

```
fpf%of[f^fint handle@'îû,Æ,·,éftf@fCf<,ìfnf“fhf<”ô†
  @@@@char *buf@@@ff[f^,đ',«ž,pfofbftf@
  @@@@fofbftf@,ìTfCfY,í,È,,Æ,à,,,™,”,...,“
  •K—v,Å,·
  @@@@int bytes@@@',«ž,pfofCfg“
```

```
-ß,è'lFftf@fCf<,ÖŽÀû,É',«ž,ň,¾fofCfg“BfGf%o[.ìê‡,í|,P
,đ•Ô,μ,Ü,·B
```

”ö|F

```
—á'èFLCreat();,ì—á,đ,²—,¾,³,çB
```



**int DeleteFile(char \*fname);**

Žw'è,μ,½ftf@fCf< fname ,đííœ,μ,Û,·B

fpf%of[]f^[]Fchar \*fname[]@ííœ,·,éftf@fCf<-¼•¶Žš—ñ

-ß,è'l[]Fííœ[]o—^,½[]ê[]í,í,O ^ÈŠO,l'[]AŽ,"s,l[]ê[]í,í,O ,đ•Ô,μ,Û,·B

"ö[]I[]F

—á'è[]Fjff[]f"fgfffBf[]fNfgfŠ,É'¶[]Ý,·,éftf@fCf< test.txt ,đííœ,μ,Û,·B

main()

{

    DeleteFile("test.txt"); // ftf@fCf< test.txt ,đííœ

}

**int WINAPI GetRegiStr(char \*entry, char \*keyname, char \*str, int size);**

entry, keyname, size, str, size ofCfG, lff[f^, d"Ç, Y[]ž, Y, Ü, ·[]B  
ŠY"- , ·, éfL[][-¼, a'¶[]Ý, µ, È, ç[]ê[]±, É, Í str , Ö, ÍfKf< ·¶[]Žš—ñ, aZfbfg, ³, ê, Ü, ·[]B  
fvf[]fOf%of~f"fO, É ·K—v, ÆŽv, í, ê, é, l, 195 , ì[]ó'Ô, ÍŠefVfXfef€ ·ï[]", ÅŽQ[]Æ[]o—  
^, Ü, ·, ì, Å[]A, ±, ÌŠÖ[]", ðŽg, x ·K—v, Í, Ù, Æ, ñ, Ç, È, ç, ÆŽv, ç, Ü, ·[]B

fpf%of[]f[]f^[]Fchar \*entry, char \*keyname, char \*str, int size

-ß, è'l[]F, ±, ÌŠÖ[]", É-ß, è'l, í, , è, Ü, ¹, ñ[]B

"õ[]I[]F

ff[]f^, d"Ç, Y[]ž, p str , í size ofCfG, ÌfGfŠfA, ðŠm ·Û, µ, Ä, ", ·K—v, a, , è, Ü, ·[]B

—á'è[]FfGf"fgfŠ[][-¼ Kankyous[]AfL[][-¼ BackupDir , ì ·¶[]Žš—  
ñff[]f^, ðŽæ"¾, µ, Ä, » , ì"à—e, ðÆ»fj[]f\^É'u, Ö ·\Ž!, µ, Ü, ·[]B  
main()

{

char buf[300];

GetRegiStr("Kankyous", "BackupDir", buf, 256);

PutStr(buf);

}

**int GetRegInt(char \*entry, char \*keyname, int def);**

entry, keyname, def

int GetRegInt(char \*entry, char \*keyname, int def)

def

int

int GetRegInt(char \*entry, char \*keyname, int def)

main()

{

    GetRegInt("Show", "Alindent", 0);

}

**@SetWindowCascade();**

fEfCf“fhfE,đjffXfP[fhĚ`Ž® ,Å•\Ž!,μ,Ü,·B

-ß,è'lF,±,ìšÖ”,É-ß,è'l,í, ,è,Ü,¹,ñB

”õlF

**@SetWindowVTile();**

fEfcf“fhfE,đ□cf^fcf<CE`Ž® ,Å•\Ž!,μ,Ü,·□B

-ß,è'l□F,±,ìšÖ□”,É-ß,è'l,í, ,è,Ü,¹,ñ□B

”õ□I□F

**@SetWindowHTile();**

fEfCf“fhfE,đ%o;f^fCf<CE`Ž® ,Å•\Žl,μ,Ü,·B

-ß,è'lF,±,ìŠÖ“,É-ß,è'l,í, ,è,Ü,¹,ñB

”õIIF

**@NextWindow();**

fAfNfefBfu,ÈfEfCf“fhfE,ðŽŸ,ìfEfCf“fhfE,Ö^Ú“ ®,μ,Û,·□B  
ŽŸ,ìfEfCf“fhfE,Æ,ÍŒ»□ÝfAfNfefBfu,ÈfEfCf“fhfE,ì^ê,Â%º,ìfEfCf“fhfE,Å,·□B  
Œ»□ÝfAfNfefBfu,ÈfEfCf“fhfE,ì^ê”Ô%º,Ö^Ú“ ®,μ,Û,·□B

-ß,è'l□F,±,ìŠÖ□”,É-ß,è'l,í, ,è,Û,¹,ñ□B

”ö□□F

**int Strncpy(char \*dest, char \*src, int maxlen);**

int Strncpy(char \*dest, char \*src, int maxlen);  
if (src == 0) return dest;  
if (maxlen == 0) return dest;  
if (strlen(src) < maxlen) strcpy(dest, src);  
else strncpy(dest, src, maxlen);  
dest[maxlen] = 0;

```
int Strncpy(char *dest, char *src, int maxlen)
{
    if (src == 0) return dest;
    if (maxlen == 0) return dest;
    if (strlen(src) < maxlen) strcpy(dest, src);
    else strncpy(dest, src, maxlen);
    dest[maxlen] = 0;
}
```

int Strncpy(char \*dest, char \*src, int maxlen);

int Strncpy

dest, int maxlen, char \*src, char \*dest, int maxlen;

int Strncpy

dest, int maxlen, char \*src, char \*dest, int maxlen;

int Strncpy

{

char s[21], fname[256];

GetWindowText(fname);

Strncpy(s, fname, 20);

s[20] = 0;

PutStr(s);

}



**@ChangeMruNo();**

Žg—p,·,éftf@fCf<—š—ðNo.(1 - 5),ð•ïX,μ,Û,·B  
•ïX,μ,½,çftf@fCf<—š—ðNo.(1 - 5),ðfZfbfg,μ,Ä%º,³,çB  
,TŽí—p, ,éftf@fCf<—š—ðNo.,ìæ“ª,©,çÅÆã,Û,Å,ð 1 ,©,ç 5 ,ì”Žš,ÅŽw’è,μ,Ä  
%º,³,çB

fpf%of[]f^fint no@Žg—p,·,éftf@fCf<—š—ðNo.,ð 1 - 5 ,ì”íí,ÅŽw’è,μ,Ä  
%º,³,ç

-ß,è’lF,±,ìŠÖ” ,É-ß,è’l,í, ,è,Û,¹,ñB

”ðF

—á’èF,R”Ô-Ú,ìftf@fCf<—š—ðNo.,ðŽg—p,·,é,æ,æ,É•ïX,μ,Û,·B  
main()  
{  
    ChangeMruNo(3);  
}

**@GetVersion();**

,l,lfgffBf^,lfo[fWf#f",m,[]D,đŽæ“¾,μ,Û,·[]B  
fo[fWf#f“

,Q[]D,O,O,ìê[]#,í,Q,O,O[]A,Q[]D,R,O,ìê[]#,í,Q,R,O[]A,Q[]D,S,T,ìê[]#,í,Q,S,T  
“™,Æ,RÆ...,ì[]@[]”l,đ RESULT ,Ö•Ô,μ,Û,·[]B

-ß,è'l[]Ffo[fWf#f",m,[]D,ª,RÆ...,ì[]@[]”l,Æ,μ,Ä RESULT ,Ö•Ô,è,Û,·[]B

”ö[][]F

## @InKeyChar();

§ä•Žš(20H^È%°,ì•Žš),đŠÜ,þ•Žš,ì“ü—í,đA“ü—í,ª, ,é,Ü,Å‘Ò,Á,ÄŽó,~Žæ,  
è,Ü,·B  
,l,lfgffBf^95 ,ì,·,x,Ä,lfEfCf“fhfE,lfL[fRf}f“fh“ü—í,ª‘îÛ,Å,·B

-ß,è‘lFfE”¼Šp•Žš“ü—í,ìê‡  
@@@@fã^ÊfofCfg,í,O%A%°^ÊfofCfg,Ö•ŽšfR[fh  
@@@E‘SŠp•Žš“ü—í,ìê‡  
@@@fVftfg,i,h,rR[fh

“öf,±,ìŠÖ”,íL[f{[fh‘Ò,¿,ìó‘Ô,đ,Â,,è,l,lfgffBf^95 ,Ö,lfL[f{[fh“ü—í,đ  
@@@ftfbfN[i%°;Žæ,èj,µ,Ä•ŽšA-”,íL[fRf}f“fh,ì“ü—í,đ,µ,Ü,·B  
@@@,±,ìŠÖ”,ÅfL[f{[fh‘Ò,¿,ìó‘Ô,É, ,é,Æ,«,íA‘¼,lfefLxfgfEfCf“fhfE,đ  
@@@fAfNfefBfu,É,µ,Ä,»,±,ÅfL[f{[fh“ü—í,đ,µ,Ä,à,±,ìŠÖ”,ªfL[f{[fh“ü  
—í

@@@,đ%°;Žæ,è,µ,Ü,·,ì,Å,²^Ó%°³,‡B  
—á‘èF[ESC]fL[,ª%°ÿ³,ê,é,Ü,ÅfL[,đ“ü—í,µ‘±,¯,Ä%½,ç,©,ì^—,đs,‡,Ü,·B  
main()

```
{  
    while(1)  
    {  
        InKeyChar();  
        if(Result == 0x1b) // [ESC],ì“ü—í  
            return;  
        else  
            InMoji(); // ,±,ìŠÖ”,Å%½,ç,©,ì^—,đs,‡,Ü,·B  
    }  
}
```

**int SetCurDirectory(char \*dir);**

int SetCurDirectory(char \*dir, int flags)  
SetCurDirectory("C:\\Program Files\\Internet Explorer", 0)

int SetCurDirectory(char \*dir)

int SetCurDirectory(char \*dir, int flags)  
SetCurDirectory("C:\\Program Files\\Internet Explorer", 0)

int SetCurDirectory(char \*dir)

int SetCurDirectory(char \*dir, int flags)  
SetCurDirectory("C:\\Program Files\\Internet Explorer", 0)

```
int main()  
{  
    SetCurDirectory("\\MYDIR\\WORD");  
}
```

**@SetIMEStatus(int sw);**

,h,l,d,ì,n,m□A,n,e,e,ì□ó'Ô,ðfZfbfg,μ,Û,·□B

sw ,ª,P,Å, ,ê,î,h,l,d,ð,n,m□Asw ,ª,O,Å, ,ê,î,h,l,d,ð,n,e,e,É,μ,Û,·□B

fpf%oof□□[f^□Fint sw

-ß,è'l□F,±,ìŠÖ□",É-ß,è'l,í, ,è,Û,¹,ñ□B

"ö□I□F

**@SetOpenFType(int sw);**

ftf@fCf<,đŠJ,,ÅŽg—p,·,·,éf\_fCfAf□fO,lf^fCfv,đfZfbfg,μ,Ü,·□B  
sw ,ª,O,Å, ,ê,îfrf...fA□[·t,«,lf\_fCfAf□fO,đ  
,P,Å, ,ê,Î,X,T•W□€,lf\_fCfAf□fO,đfZfbfg,μ,Ü,·□B

fpf%of□□lf^□Fint sw

-ß,è'l□F,±,ìŠÖ□",É-ß,è'l,í, ,è,Ü,¹,ñ□B

"ö□l□F

## @LoadSdFile(char \*fname);

•\Ž![]Ý'è[]Ž®ftf@fCf< fname ,đ“Ç[]ž,Ý,Ü,·[]B  
“Ç[]ž,Ý,É[]¬Ç÷,·,é,Æ•\Ž![]Ý'è,ì“à—e,í“Ç,Ý[]ž,ñ,¾[]Ž®,ì“à—e,É•ï[]X,³,ê%œ-  
Ê,à[]V,μ,ç[]Ý'è“à—e,Å[]X[]V,³,ê,Ü,·[]B

fpf%of[][]f^[]Fchar \*fname

-ß,è'[]F“Ç[]ž,Ý,É[]¬Ç÷,μ,½[]ê[]‡,Í RESULT ,Ö,O^ÈŠO,ì'l,đ•Ô,μ,Ü,·[]B

”ö[][]F

—á'è[]FjffÇf“fgfffBfÇfNfgfŠ,ì•\Ž![]Ý'è[]Ž®ftf@fCf< MMDOS.DS1  
,đ“Ç[]ž,Ý,Ü,·[]B

main()

{

    LoadSdFile("MMDOS.DS1");

}

**@LoadPrFile(vhar \*fname);**

•\Ž!Ÿ'è'Ž®ftf@fCf< fname ,đ“Çž,Ý,Û,·B  
“Çž,Ý,ÉŸ–Ÿ÷,·,é,ÆŸ»Ÿ,ì^óüŸ'Ž®,đ“Ç,Ýž,ň,¼'Ž®,Ö•ïX,μ,Û,·B

fpf%of[f^Fchar \*fname

-ß,è'lF“Çž,Ý,ÉŸ–Ÿ÷,μ,½ê‡,Í RESULT ,Ö,O^ÈŠO,ì'l,đ•Ô,μ,Û,·B

”öIIF

—á'èFfjŸf“fgffBfŸfNfgfŠ,ì^óüŸ'Ž®ftf@fCf< A4TXT.PR1 ,đ“Çž,Ý,Û,·B  
main()  
{  
    LoadPrfile("A4TXT.PR1");  
}



**@MaxWindow();**

fehLfxfgfEjCf“fhfE,đÅ‘â%o»,μ,Ä•Ž!,μ,Ü,·B

-ß,è'lF,±,ìšÖ“,É-ß,è'l,í, ,è,Ü,¹,ñB

”õlF

**@MinWindow();**

fehLfxfgfEjCf“fhfE,đÅ¬%o»,μ,Ä•Ž!,μ,Ü,·B

-ß,è'lF,±,ìšÖ“,É-ß,è'l,í, ,è,Ü,¹,ñB

”đlF

**@RestWindow();**

fehLjXfgfEjCf“fhfE,ªAÁ‘â%o»Ü,½,ÍÁ‘â%o»,µ,Ä•Ž!<Ž,ê,Ä,¢  
,éê±ACE³,ìâ,«,³,Ö-ß,µ,Ü,·B

-ß,è'lF,±,ìŠÖ”,É-ß,è'l,í, ,è,Ü,¹,ñB

”õlF



