



fVfifŠfl, ï•ÒflW, äflI, í, Á, ½, çflAfvfŒflf“fefl[fVftf“, ðžÀž{, µ, Ü, ·flBfvfŒflf“fefl[fVftf“, ðžÀž{, ·, éfléflf
íflAflu“`flv, ï“¹<ï” , ï^é, Á, Ä, , éflu‰‰flv, ð—~—p, µ, Äfls, ç, Ü, ·flB



■ f‰‰‰flv, ï‰‰æ-É
■ flfŒfxflflflf, ïŒ`fló, É, Á, ç, Ä



■ fvflŒflf“fefl[fVftf“, ðšjžn, µ, Ü,
■ fvflŒflf“fefl[fVftf“žAfls’t, ï‘€fl, É, Á, ç, Ä
■ fvflŒflf“fefl[fVftf“žAfls’t, ïfYflf€•\ž!, É, Á, ç, Ä
■ flff...flf•\ž!’, ï‘€fl, É, Á, ç, Ä
■ fyf“, ð—~—p, µ, Äfl, «flz, Ÿ, ðfls, ç, Ü.
■ fff, ï’¬“x, ð•flX, µ, Ü.



■ fl, %‰ð’æ“x•\ž!, Á, ïç‰‰‰fl, ï—~—p, É, Á, ç, Ä



fvfŒf[f“fe|[fVf#f“, ðŽJŽn, ·, é, Æ|AŽn, ß, É|•, ç‰æ-Ê, a•\ Ž|, ³, ê|AfvfŒf[f“fe|[fVf#f“, i’Ò<@|ó’Ô, É, È, è, Ü, ·|Bf}fEfXfj|[f\f<, ð‰æ-Ê, i‰E‘¤, É^Ú“®, µ, Ä‰E- ^ó, iŒ` , É•ï‰», ³, ¹, Ä, , ¾, ³, ç|B, ±, i|ó’Ô, Åf}fEfX, i|¶f{f^f“, ðfNfŠfbfN, ·, é, Æ|AfVfifŠfI, fXfg|[fŠ, É| , Á, ÄSG, a’S‰æ-Ê•\ Ž|, ³, ê, Ü, ·|B|u‰‰v, É, „, ç, Ä, í|Af}fEfXfj|[f\f<, ð‰æ-Ê, i|ã‰º¶¶‰E, É^Ú“®, ·, é, Æ|Afj|[f\f<, iŒ`|ó, a^Ú“®‰Ó|S, É, æ, Á, Ä•ï‰», µ, Ü, ·|Bfj|[f\f<, iŒ` , i|u‰‰v, i‰æ-Ê, ð‘€|i, ·, é, É, , ½, è|d—v, É^Ó-i|ižY‰æ-Ê, Ö, i|Ø, è’Ö, |, åf|ffij...|[‰æ-Ê, i•\ Ž|, È, Ç|j, ðŽ|, µ, Ä, ç, Ü, ·, i, Å|A, », è, ¼, ê, iŒ` , i-U”|, ð—|‰δ, µ, ½|ä, ÅfvfŒf[f“fe|[fVf#f“, ðŽAŽ{, µ, Ü, µ, å, å|B , Ü, ½|A|u‰‰v, i‰æ-Ê, ð‰E|fNfŠfbfN, ·, é, Æ|f|fbfvfAfbfv|fij...|[, a•\ Ž|, ³, ê|A‰æ-Ê, Ö, i|‘, «|ž, Ÿ, åfff, ‘¬“x, i•|X, a|s, |, Ü, ·|B



u%o%oo[v,Å,ífvfŒf[f“fe[fVf+f“’t,É%oæ-Ê,ðfY[f€•\ž|,·,é,±,Æ,³,Å,«,Ü,·BfY[f€•\ž|,íf}fEfXfJ[f\f<,³%oæ-Ê,í’t%o>,É,,é,æ,¤,É\s,í,ê,Ü,·B
œfY[f€•\ž|,ížn,β,©,½
@fL[f{[fh,í]u,P`_X\]v,í”žšfL[,ð%oÝ,·,Æ\]A,»,í”žš,í”{-!,ÅfY[f€
.μ,Ü,·BfY[f€’t,É,P`_X,í”žšfL[,ð%oÝ,μ,Ä•Ê,í”{-!,É\]Ø,è’Ö,!,é,±,Æ,à,Å,«,Ü,·B
œfY[f€•\ž|,í]l,í,è,©,½
@fL[f{[fh,í]u,O\]v,í”žšfL[,ð%oÝ,·,Æ\]A]fY[f€•\ž|,ð]l,í,è,Ü,·B
œfY[f€•\ž|’t,í’€]í
@fY[f€•\ž|’t,Éf}fEfXfJ[f\f<,³%oæ-Ê’[,É—^,é,Æž©“®fXfNf\][f<,μ,Ü,·B,Ü,½\]A]fY[f€%oæ-
Ê,ðfhf%o]bfO,·,é,±,Æ,ÅfXfNf\][f<,·,é,±,Æ,à,Å,«,Ü,·B



fvfŒf[f“fe|[fVf†f“,ižAž{žž,É,íAf}fEfXfJ|[f\fc,³^È‰o,í,æ,¤,ÈŒ` ,É•í‰»,µ,Ü,·B,»,{,é,½,ê,iŒ` ,íÓ-í,“,æ,Ñ•í‰»,³,¹,é‘€í,ð'm,è,½,¢ê‡,íA‰o<L,í} ,©,ç'íÛ,íŒ` ,ðfNfŠfbfN,µ,Ä,,¾,³,¢B





fvfŒf[f“fe|[fVf†f“ŽÀs’t,]fyf“‘€ì,âI—¹,È,C,íAf|fbfvfAfbfvfijf...[],©,ç’l’ð,µ,Ü,·Bf|fbfvfAfbfvfijf...[],ì’l’ð,íAf}fEfX,ì‰oEf{f^f“,ðfNfŠfbfN,µ,Äfijf...[],ð•\ž,³,¹,Ü,·BŽÀs,µ,½,¢€-Ú,ì^Ê'u,Éf}fEfXfj|[fj<,ð^Ú“®,³,¹A¶f{f^f“,ðfNfŠfbfN,µ,Ü,·B



- fyf“
- fyf“FŽw'è
- fff,’-“x
- u•Óv,ìN“®
- u‰‰o v,ìN“®
- fo|[fWf†f“]ì•ñ
- I—¹



ú‰‰v, ÅfvfŒf[f“feŒfVff“, ðšjžn, ·, é, É, í“ñ, Å, ï•û-@, a, , è, Ü, ·, B^ê, Å, í‰‰
‰‰v, ð<N“®ŒãŒAf fCfAfŒfO, ©, cfVfifŠfl, ð’l’ð, ·, é•û-@, AEŒA, à, å^ê, Å, ífVfifŠfl, ðWindows, jfvfŒfOf
‰œf€f}fŒfŒfwff, É“o~^, µ, Å, ^, •û-@, Å, ·, BfVfifŠfl, ?, AE, ÉfAfCfRf“, ðfvfŒfOf
‰œf€f}fŒfŒfwff, É“o~^, ·, é, AEœ, » , ï, , AE, ïfAfCfRf“, ðf_fufŒfNfŠfbfN, ·, é, ¾, ^, Åœ, » , jfVfifŠfl, ðžÀŒs, ·, é, ±
, AE, a, Å, «, Ü, ·, B, Ü, ½œfAfCfRf“, É, ížŒ—R, É-¾’O, a•t, ^, ç, ê, é, ï, ÅœžŒ•a, ažg, œfVfifŠfl, ðšÔ^á, !, é, ±
, AE, aŒ, È, , È, è, Ü, ·, BfvfŒf[f“feŒfVff“, ï-{"Ô, ïžž, íœ, ±, ï•û-@, a•Ö—~, Å, ·, B



ƒ‰‰oo v,ð<ñ“®,,é,Æ¤ftf@fCf<'l'ð,ìf_fCfAf fO,²•\ž|,³,ê,Ü,· B,±
,lftf@fCf<'l'ð,ìf_fCfAf fO,©,ç¤žÀ s,,éfVfifŠfl,ð'l,ñ,Ü,·i,±,ì<ñ“®•û-@,í¤fVfifŠfl,²,Æ,Éfvf fOf
‰¤f}fl [fWff,É“o~^,,é•K-v,³,È,¢,ì,Å¤,Ü,³/fefXfg'išK,ìžž,í•Ö—~,Å,· B



- fVfifŠflftf@fCf<-¹/₄
- ftf@fCf<-¹/₄^ê—
- fffBf fNfgfŠ^ê—
- fhf‰ofCfu
- Šm'èf{f^f“



fvfŒf[f“fe|[fVf#f“, iŽÀs’t, É, íAf}fEfXfj|[f|f<, i^Ú“®‰Óš, É’‰ž, μ, ÄŒ` , ^‰ž, i, æ, x, É•í‰», μ, Ü, ·Bfj|[f|f<, iŒ` , íu‰‰v, i‰æ-Ê, ð’€ì, ·, é, É, , ½, èd-v, È^Ó-iŽY‰æ-Ê, Ö, iØ, è’Ö, i, āfjjf...|[‰æ-Ê, i•\ži, È, Çj, ðži, μ, Ä, ç, Ü, , i, ÅA, », ê, ¼, ê, iŒ` , i-U”I, ð-‰δ, μ, ½ä, ÄfvfŒf[f“fe|[fVf#f“, ðžÀž{, μ, Ü, μ, ä, xB, », ê, ¼, ê, iŒ` , i^Ó-i, , æ, Ñ•í‰», , é’€ì, ð’m, è, ½, çé#f, íA‰ºL, iØ}, ©, ç’iÛ, iŒ` , ðfNfŠfbfN, μ, Ä, , ¾, , çB



fjjf...|[•\ži’t, i’€ì, É, Ä, ç, Ä

fjjf...‰œ-Ê, ï•\Z|'†, É, í Af} fEfXfj][fJf<, ï^Ú" ®‰œÓ Š, É'‰œž, µ, ÄŒ` , ã^È‰œº, ï, æ, å, É•ï‰œ», µ, Ü, ·Bfj][fJf<, ïŒ` , í u‰œ‰œv, ï‰œœ-Ê, ð'€ï, ·, é, É, , ½, èd—v, È^Ó-; iŽY‰œœ-Ê, Õ, ïØ, è'Ö, , ãfjjf...‰œœ-Ê, ï•\Z|, Ë, Ç, j, ðZ|, µ, Ä, ç, Ü, , ï, ÅA, », ê, ¼, è, ïŒ` , ï-Ú"l, ð—ï‰œð, µ, ½ä, ÄfvfŒf[f"fe][fVf#f", ðŽÀZ{, µ, Ü, µ, å, åB, », ê, ¼, è, ïŒ` , ï^Ó-; , æ, Ñ•ï‰œ», , , é'€ï, ð'm, è, ½, çé#f, í A‰œº<L, ï } , ©, ç'îÛ, ïŒ` , ðfNfŠfbfN, µ, Ä, , ¾, , çB



fjjf...‰œ[, É^é"x, É•\Z|, , è, éf~fjjf`f...fA, ï]", í A‰œ; , É, SŒÂAœc, É, SŒÂ, ï‡Œv, P, U‰œœ-Ê, Ä, ·B



fjfŒf[f"fe][fVf#f"ŽÀœs't, l'€ï, É, Ä, ç, Ä



fvfŒf[f“fe|[fVf#f“”t,ÉfAf“f_|[f%oCf“,â<’2,È,Ç]A•\Z|,³,ê,Ä,¢,é%oæ-Ê,É]’,«]ž,Ý,ð]s,¤,±,Æ,¤,Å,«,Ü,·]B,±,ì]ê]‡,í]A]u%o%o]v,ì]fbfvfAfbfv]f]fj...][,©,ç]ufyf“]v,ðfNfŠfbfN,µ,Ä,-,³/4,³,¢]B,±,ì]f,]f[fh,ð’I,Ô,Æf}fEfXf]f[f]f<,¤fyf“,ì]Œ` ,É•]i,i,è,Ü,·]B,±,ì]ó’Ô,ì]ž,Éf}fEfX,ì]¶f{f^f“,ðfNfŠfbfN,µ,½,Ü,Ufhf%ofbfO,·,é,Æ]A%oæ-Ê,É]’,«]ž,Ý,¤]s,],Ü,·]B]’,«]ž,ñ,³/4fAf“f_|[f%oCf“,â<’2,í]A]f}fEfX,ì]‰oEf{f^f“,ð^ê“xfNfŠfbfN,·,é,³/4,¬,Å]Á,³,ê,Ü,·]B ,È,“]Af]f“,ì]F,ð•]i]X,·,é]ê]‡,í]A]u%o%o]v,ì]fbfvfAfbfv]f]fj...][,©,ç]ufyf“]FŽw’è]v,ðfNfŠfbfN,µ,Ä,,³/4,³,¢]BfTfuf]fj...][,©,çfyf“,ì]F,ð•]i]X,·,é,±,Æ,¤,Å,«,Ü,·]B



•ì]X,µ,½fyf“,ì]F,í]Œ»]Y,ì]‰oæ-Ê,Å,ì]Y—LŒø,Å,·]B%oæ-Ê,ð]Ø,è’Ö,],é,Æ]A•ì]X,µ,½]F,í]‰oð]œ,³,ê,Ü,·]B

¢•Ò£,ÅÙÝ'è,µ,½flfgffff,ifvfŒf[f“feflfVf#f“'S'i,iflfgffff,AŠe‰œ-
Ê,²,Æ,ìflfgffff,íAfvfŒf[f“feflfVf#f“'t,É‘¬“x,ð•íX,·,é,±
,Æ,ª,Å,«,Ü,·Bflfgffff,ì‘¬“x,ð•íX,·,é,ê,íAu‰‰v,iffbfvfAfbfvff...
Û,©,çufff,'¬“x,v,ðfNfŠfbfN,µ,Ä,,¾,³,¢BfTfufff...Û,©,çfff,ì‘¬“x,ð'l'ð,·,é,±,Æ,ª,Å,«,Ü,·B



- ï,’¬ŽÀs
fVfXfef¢,ª'è,ß,é,Å,à,‘¬,È‘¬“x,ÉØ,è'Ö,!,Ü,·B
- ¢•Ò£ÙÝ'è'I
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- <ÖŽ~
¢•Ò£,ÅÙÝ'è,µ,½flfgffff,ìŽÀs,ð<ÖŽ~,É,µ,Ü,·B



¢‰‰¤,í640~480fhfbfg,þ‰æ-Ê,ÂŽg,¤,ì,¤fefŒfr,âfrffffl,Ö,íþo—
í,àþI,!,½•Wþ“I,ÈŽg,¢•û,Å,·þB,à,µþA,±,ê^Èþä,ìþ,‰ð’œ“x(1024~768”™),ÂŽg,Á,½þêþ‡,íþA¢
‰‰¤,í‰æ-Ê,ì'å,«,³(%‰æ-Êfhfbfgþ”),Éþ‡,í,¹,ÄfyfCf“fgffþ[f^,ðŠg'å,µþA‰æ-
Ê,ÉftfBfbfg,·,é,æ,¤,É,µ,Ä•\þ|,µ,Ü,·þB

,±,àó'ô,ÀfNfŠfbfN,·,é,ÆŽŶ,í‰œ-Ê,É¤i,Ý,Ü,·¤B,±,íƒJ¤[ƒ\ƒ<,É•í‰»»,³,¹,é¤ê¤‡,í¤A‰œ-Ê,í‰œE'¤
Éf}ƒEfXfJ¤[ƒ\ƒ<,ð^Ú“® ,μ,Ä,,³/₄,³,¢¤B

,±,àó'ô,ÀfNfŠfbfN,·,é,Æ'Ô,í‰œ-Ê,É-ß,è,Ü,·B,±,ífJíf<,É•í‰»,³,¹,éê‡,íA‰œ-Ê,í¶'¤
Éf}fEfXfJíf<,ð^Ú“®,µ,Ä,,¾,³,¢B

,±,àó'Ô,ÀfNfŠfbfN,·,é,Æ^êŽž“|,É‰œ-Ê,ºÁ<Ž,³,ê,Ü,·B,±,ìfJ[]f\fc,É•í‰»,^³,^¹,é[]ê[]‡,í[]A‰œ-Ê,ì[]ã'¤,Éf}fEfXfJ[]f\fc,ð^Ú“®,µ,Ä,,¾,^³,¢[]B

,±,íó'Ô,ÀfNfŠfbfN,·,é,Æ^êŽž“I,ÉÁ²₁Ž,µ,½‰æ-Ê,ºÀx•\Ž!,³,ê,Ü,·B^Ã”]ó'Ô,í‰æ-Ê,ÀŽg,¢
,Ü,·B

,±,íó'Ô,ÀfNfŠfbfN,·,é,Æfl|[fgfff,,¤Ý'è,³,ê,Ä,¢,é,ê,‡,ÉŒÀ,è,Af|[fgfff,,¤ŠJŽn,³,ê,Ü,·,B,±,ífj|[f|\f<,É•í‰»,,¹,é,ê,‡,íAf}fEfXfj|[f\f<,ð‰æ-È,í¶‰º,É^Ú“®,µ,Ä,-,³/₄,³,¢,B,½,³/₄,µ,Af|[fgfff,,¤Ý'è,³,ê,Ä,¢,È,¢,ê,‡,É,íA,±,íŒ` ,É,í•í‰»,,³,ê,Ü,¹,ñ,Bf|[fgfff,,ð‰ðœ,µ,½,¢,ê,‡,íAf}fEfX,í‰Ef{f^f“,ðfNfŠfbfN,µ,Ä,,³/₄,³,¢,B

,±,ìó'Ô,ÀfNfŠfbfN,·,é,Æu•Òv,ÀÝ'è,μ,½fWfff“fvæ,É‰œ-Ê,ºØ,è'Ô,í,è,Ü,·B,±,ìfjff<,É•Ï‰»,³,¹,éê‡,É,ÍAu•Òv,ÀÝ'è,μ,½f{f^f“,ì^Ê'u,Éf}fEfXfjff<,ð^Ú“®,μ,Ä,,¾,³,¢B

,±,àó'Ô,ÀfNfŠfbfN,·,é,Æf□fjf...□[%ooæ-Ê,³•\Ž!,³,ê,Ü,·□B,±,ìfJ□[f\fc,É•í
%o»,³,¹,é□ê□‡,É,í□A}fEfXfJ□[f\fc,ð%ooæ-Ê,ì%ooº'¤,É^Ú“®,µ,Ã,,³/₄,³,¢□B

ŽÝ‰œ-Ê, ÉfTfufvfJfOf‰œf€■AƒAƒjf■■[ƒVƒ‡ƒ“, Ü, ½, Í“®‰œ, aÝ'è, ³, ê, Ä, ç, é, ±, AE, ðŽ!, µ, Ä, ç, Ü, ·B, ±, ±, ló'Ô, ÄfNfŠfbfN, ·, é, AEŽÝ, i‰œ-Ê, Éi, Y, Ü, ·B, ±, lfj■[ƒƒ<, É•ï‰», ³, ¹, é, ê, f, É, íA‰œ-Ê, i‰œE'¤, Éf}fEfXfJ■[ƒƒ<, ð^Ú“®, µ, Ä, , ¾, ³, ç, B, ½, ¾, µAŽÝ, É‰œ-Ê, ÉfAfjf■■[ƒVƒ‡ƒ“, â“®‰œ, aÝ'è, ³, ê, Ä, ç, È, ç, ê, f, É, íA, ±, iŒ, É, í•ï‰», µ, Ü, ¹, nB

u•òv,ífVfjfŠfl,íšâ<<óY'è,åu'å-îóv,ðóY'è,μ,½é‡,É•\ž|,³,ê,Ü,·B,±,í-îó,ðóY'è,μ,Ä,‡,é‡,íf}fEfXfjflf,ð^Ú“®,μ,Ä,àfjlflf,í•í‰»,μ,Ü,¹,ñB('A,μffWfff“fvf{f^f“,í—í^æ,Å,í•í‰»,μ,Ü,·Bj

u•òv,ífVfifŠfl,íšâ<<ó'è,åu¬-^óv,ðó'è,μ,½ê‡,é•\ž|,³,ê,ü,·B,±,í-^ó,ðó'è,μ,ä,‡,éê‡,íf}fEfXf]l[fl<,ð^ú“®,μ,ä,àf]l[fl<,í•í‰»»,μ,ü,¹,ñB('A,μ¤fWfff“fvf{f^f“,í—í^æ,å,í•í‰»»,μ,ü,·B)

,±,ìó'Ô,Àfjf...[],‰æ-Ê,©,ç'îÛ,‰æ-Ê,ðfNfŠfbfN,·,é,ÆA'I,ñ,¾‰æ-Ê,ÉfWfff"fv,µ,Ü,·B,±,ljlfj,É•í‰»,³,¹,éê‡,É,íAfjf...[],‰æ-Ê,Éfjlf,ð^Ú"®,µ,Ä,,¾,³,‡B

,±,ìó'Ô,ÀfNfŠfbfN,µ,½,Ü,Üfhf‰ofbfO,·,é,ÆA‰æ-Ê,ÉfAf“f_Œf‰ofCf”,â<’²,¤•`,-,Ü,·B,±,ìfjŒf\\f<,É•í‰»,³,¹,éê‡,É,íAf|fbfvfAfbfv|fjf...Œ[,©,çufyf“**v**,ðfNfŠfbfN,µ,Ã,,¾,³,¢B

Œ»]Ý, ï‰œ-Ê, ÉfTfufvf]fOf‰œf€]AƒAfjf]f]fVf]f”, Ü, ½, í“ ®‰œ, ²]Ý'è, ³, ê, Ä, ç, é, ±, Æ, ðŽ!, µ, Ä, ç, Ü, ·]B, ±, ƒ]ó'Ô, ÄfNfŠfbfN, ·, é, Æ]AƒAfjf]f]fVf]f”, â“ ®‰œ, ²]Ä]¶, ³, ê, Ü, ·]B, ±, ƒ]f]f, É•ï‰œ», ³, ¹, é]ê]‡, É, í]Aƒ}fEfXfj]f]f, ð‰œ-Ê, ï‰œE‰œ, É^Ú“ ®, µ, Ä, , ¾, ³, ç]B, ½, ¾, µ]A‰œ-Ê, ÉfTfufvf]fOf‰œf€]AƒAfjf]f]fVf]f”, Ü, ½, í“ ®‰œ, ²]Ý'è, ³, ê, Ä, ç, È, ç]ê]‡, É, í]A, ±, ƒ]f]f, É, í•ï‰œ», ³, ê, Ü, ¹, ñ]B

,±,ìó'Ô,ÅfNfŠfbfN,µ,Ä,à‰½,à^—,³,ê,Ü,¹,ñB—á,!,íAfvfšfl,íÅŒä,í‰æ-Ê,ÅA‰æ-Ê,í‰E'¤,Éf}fEfXfj][f\fx,ð^Ú“®,µ,Ä,àAŽÝ‰æ-Ê,¤,È,¢,íA,±,ìó'Ô,É,È,ë,Ü,·B

%oæ-Ê,í‡"Ô,È,Ç,ð•ï‡X,µ,½,¢‡ê‡‡,É,í‡A,±,í‡f‡fj...
[],©,ç‡u•Ò‡v,ð<N“®,µ,ÄfVfifŠfl,ð•Ò‡W,·,é,±,Æ,º,Å,«,Ü,·‡B

'%4,]fVfifŠfl,ð<ñ“®,:é[]ê[]‡,É'l'ð,μ,Ü,·[]B

Žg—p’t, ìu‰‰v, fo[fWfjf”, „•\ži, ^, Ü, ·B

žAš't,ʃfVʃʃfI,ðlɪ—¹,μ,Ü,·B

