

fRf“fsf...□[f^,ÉfCf“fXfg□[f<,³,ê,Ä,¢,éfQ□[f€ fRf“fgf□□[f%,âê——•\Ž!,³,ê,Ü,·□BfRf“fgf□□[f%  
,ìfefXfg□A□\□¬□A,Ü,½,í□Ä²□©,ð□s,¤,É,í□A,»,ìfRf“fgf□□[f%,ð'l'ð,μ□A[fvf□fpfefB],ðfNfŠfbfN,μ,Ü,·□B

[fQ□[f€ fRf“fgf□□[f%] f{fbfNfX,îê——,É•Ž!,³ê,Ä,¢,é□î•ñ,ª□X□V,³ê,Ü,·□B

□V,μ,ϕfQ□[f€ fRf"fgf□□[f%,đ'Ç%Á,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

'l'đ,μ,½fQ□[f€ fRf“fgf□□[f%o,đ□í□œ,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

□Ú□×□Ýè,ð•Ž|,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B—D□æfffofCfX,ð'l'ð,·,é,±,Æ,<sup>a</sup>Å,«,Ü,·□B

,±,ìfQ□[f€ fRf“fgf□□[f%o,ìfefXfg,Ü,½,Í²□®,đ□s,ø,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

fgf%uf<fVf...[fefBf"fO,đ<N"@,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·B

fRf"fgf□□[f% ID ,ÆŠe ID ,ÉÆ»□ÝŠ,,,è"—,Ä,ç,ê,Ä,¢,éfQ□[f€ fRf"fgf□□[f%□A,,"æ,ÑfQ□[f€ fRf"fgf□□[f%  
,<sup>a</sup>fCf"fXfg□[f<,<sup>3</sup>,ê,Ä,¢,éf|□[fg,]^ê——,<sup>a</sup>•\Ž|,<sup>3</sup>,ê,Ü,•□B



,±,ìfffofCfX,É'î,μ,Ä□»'ϕϷ³ñ<Ÿ,ìfvf□fpfefB fV□[fg,ð—~—p,Å,«,é,±,Æ,ðŽ',μ,Ü,·□BfVfXfef€  
,ìŠù'è',ðŽg,ϣ□é□‡,Íf`fFfbfN f{fbfNfX,ðf\ft,É,μ,Ü,·□B

'l'đ,μ,½fQ□[f€ fRf“fgf□□[f%o,ÉŠ,,,è“–,Ä,ç,ê,Ä,ç,é ID ,đ•i□X,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

*f*Q□[*f*€ *f*R*f*“*f*g*f*□□[*f*%<sub>o</sub>,ÉŠ<sub>„</sub>,è“–,Ä,é*f*Q□[*f*€ *f*|□[*f*g,ð,±,îê——,©,ç‘*l*,Ñ,Ü,<sup>·</sup>□B

fQ□[f€ fRf“fgf□□[f%,<sup>a</sup>□A[2 f{f^f“,}ftf%oCf g f~□[fN] ,È,Ç,}Ži—p•Ê□A,;æ,Ñ [Microsoft SideWinder  
(Ž©“@ÆÏo)] ,È,Ç,}□»i-¼•Ê,Ê“ê——•Ži,<sup>3</sup>ê,Ü,·□Bžg—p,·,é fQ□[f€ fRf“fgf□□[f%,}□»i-¼,^ê——  
,É•Ži,<sup>3</sup>ê,é□ê□±,í□Aê——,©,ç□»i-¼,đ'N,Ũ,Ŧ,·□B

fQ□[f€ fRf“fgf□□[f%,}□»i-¼,Ü,½,}Ži—p,^ê——,É,Ê,¢□ê□±,í□A[f+□[ fU□[è`] ,đfNfŠfbfN,μ,Ä fQ□[f€  
fRf“fgf□□[f%,đ□□~·,·,é,©□A,±,}ffo fCfX,É,í·,·,éhf%oCf o f\ftfgfEfFfA,đfCf“fXfg□[f<,μ,Ü,·□B

[fn[fhfEfFfA,ì'Ç%ÂfEfBfU[fh] ,đŠJ,,Æ,«,ÉfNfŠfbfN,μ,Ü,·BfCf“fXfg[f< fffBfXfN,a, ,éê±,ÍA,±  
,ìfEfBfU[fh,ÅfQ[f€ fRf“fgf[f%,ìfhf%o,fCf“fXfg[f<,Ä,«,Ü,·B

fCf" fXfg□[f< fffBfXfN,a,È,□AfQ□[f€ fRf"fgf□□[f%,a [fQ□[f€ fRf"fgf□□[f%] f{fbfNfX,i^ê——  
,É•Ž',³,ê,È,¢□ê□‡,Í□AfNfŠfbfN,μ,ÄfQ□[f€ fRf"fgf□□[f%,l"Á□«,ðŽw'è,μ,Ü,·.□B

fQ[f€ fRf“fgf□□[f%,)Ž²,ì□”,đŽ,μ,Ü,·□B'Êí□A2 Ž²,ìfQ[f€ fRf“fgf□□[f%,í□A□ã%°□¶%E,É“®,©,.,±  
,Æ,ª,Å,«,«,·□B,Ü,½□A3 Ž²,ìfQ[f€ fRf“fgf□□[f%,É,í□AfXf□fbfgf< fRf“fgf□□[f<,ª,t,¢,Ä,¢,Ü,·□B4 Ž²,ìfQ[f€  
fRf“fgf□□[f%,É,í□AfXf□fbfgf<,Æf%\_□[,ª,t,¢,Ä,¢,Ü,·□B

'æ 3 Ž²,ªf%ff\_□[,Ü,½,Ífyf\_f<,Å, ,é,±,Æ,ðŽ!,μ,Ü,·□B



‘æ 3 Ž²,ª Z Ž²,Å, ,é,±,Æ,ðŽ,µ,Ü,·□B

$fQ \sqsubset [f \in fRf \text{“} fgf \sqsubset \sqsubset [f\%, \dot{\sqcup} \{f^{\wedge}f\text{“}, \dot{\sqcup} \text{”}, \delta\check{z}w'\grave{e}, \mu, \dot{U}, \cdot \sqsubset B$

□q<ó<@,̀ìf^□[fN,Ü,½,íXfefBfbfN,ðfVf~f...fƎ□[fg,·,é,æ,ϱ,É□YƎv,³,ê,Ä,¢,éfRf“fgf□□[f%°,ª,·,é,±  
,Æ,ðŽ,ι,μ,Ü,·□B

$f^{\wedge}bf^{\wedge}$   $ffBf$   $\mathbb{E}fNfVf\ddagger f\text{if} < fRf^{\text{“}}fgf$   $\square\square[f\%,^a, ,\acute{e},\pm,\mathbb{E},\partial\mathbb{Z},\mu,\ddot{U},\cdot\square B'\hat{E}\square i\square A,\pm,\grave{)}fRf^{\text{“}}fgf$   $\square\square[f\%,\acute{E},\acute{I}f\{f^{\wedge}f^{\text{“}},^a2\square`4$   
 $\mathbb{E}\hat{A},,\grave{e},\ddot{U},\cdot\square B$

fRf“fgf□□[f%<sup>a</sup>fXfefAfŠf“fO fz fC□[f<,Â, ,é,±,Æ,ǒŽ!,μ,Ü,·.□B

fQ□[f€ fRf“fgf□□[f%,ÉŽ<ŠE,ì□Ø,è'Ö,|<@"\\ (POV) ,<sup>a</sup>•”ö,<sup>3</sup>ê,Ä,¢,é,±,Æ,ðŽ!,μ,Ü,·□BPOV ,ðŽg—p,·,é,Æ□A%æ—  
Ê□ã,ìfufuFfNfg,ð•Ž!,·,é~Ê'u,Ü,½,Í•ûŒü,ðŽw'è,·,é,±,Æ,<sup>a</sup>Å,«,Ü,·□B

“ÆŽ©,ìfQ□[f€ fRf“fgf□□[f%o,ì¼‘O,ð“ü—Í,·,é□ê□Š,Å,·□B,±,ì¼‘O,í□AfRf“fsf ...□[f^,ÉfCf“fXfg□[f<,³,ê,Ä,¢,é  
—~—p%oÂ“,ÈfRf“fgf□□[f%o,ìê——,É•Ž,³,ê,Ü,·□B

fRf“fgf□□[f%<sup>a</sup>fWf‡fCfXfefBfbfN,Å, ,é,±,Æ,ðŽ!,μ,Û,·□B



[fQ□[f€ fRf“fgf□□[f%] f{fbfNfX,îê——,É•Ž!,<sup>3</sup>,ê,éfRf“fgf□□[f%—<sup>1</sup>/<sub>4</sub>,ÉŠ,,,è“—,Ä,éfRf“fgf□□[f% ID  
,đ'!đ,μ,Ü,·□B

fQ□[f€,É,æ,Á,Ä,í□AfRf“fgf□□[f% ID 1 ,ÉfQ□[f€ fRf“fgf□□[f%,đŠ,,,è“—,Ä,é•K—v,<sup>a</sup> , ,è,Ü,·□B

'l'đ,μ,½fRf“fgf□□[f% ID ,ª\Ž!,³ê,Ü,·□B,±,ì ID ,ÉfQ□[f€ fRf“fgf□□[f%,đŠ,,,è“-Ä,é,É,í□A[fQ□[f€  
fRf“fgf□□[f%] f{fbfNfX,îê——,ìfRf“fgf□□[f%-¼,đfNfŠfbfN,μ,Ü,·□B

—~—p%Å"\\,ÈfQ□[f€ fRf“fgf□□[f%,âê——•Ž!,³ê,Ü,·□B□]—^,îfAfvfŠfP□[fVf‡f“,Å—  
D□æfffofCfX,É,.,éRf“fgf□□[f%,đfNfŠfbfN,μ□A[OK],đfNfŠfbfN,μ,Ü,·□B

Žg—p,·,éƒQ□[ƒ€ ƒRƒ“ƒgƒ□□[ƒ%₀,Éƒ%₀ƒ\_□[,Ü,½,Íƒyƒ\_ƒ<,<sup>a</sup>,,é,±,Æ,ðŽ!,μ,Ü,·□B,Ü,½,Í□A□Ú'±  
,μ,½ƒ%₀ƒ\_□[,Ü,½,Íƒyƒ\_ƒ<,<sup>a</sup>—LŒø,É,È,è,Ü,·□B

ffofCfX,ìfRf“fgf□□[f<,ðŠù'è'l,ÉfŠfZfbfg,μ,Ü,·□BUSB fRf“fgf□□[f%  
,ì□ê□‡,í□AfffofCfXŽ©'ì,ÉŠî,Ã,«□Ý'è'l,<sup>a</sup>Žæ“¾,<sup>3</sup>ê,Ü,·□B,Ù,©,ìfRf“fgf□□[f%,ì□ê□‡,í□AfRf“fgf□□[f%,lŽí—  
p,É%ž,¶,½”Ä—p,ì□Ý'è'l,<sup>a</sup>Žg,í,ê,Ü,·□B

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"@□"í"í,ðfexfg,·,é,Æ,«,ÉŽg,¢,Ü,·□Bfexfg f{fbfNfX,ì 4 <÷,ì,¢,,ê,©,É"í,©,È,¢□ê□‡,í□AfQ□[f€ fRf"fgf□□[f%  
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fQ□[f€ fRf“fgf□□[f%,É•t,¢,Ä,¢,éŽ<ŠE,ì□Ø,è'Ö,|<@“\ (POV) ,ðfefXfg,·,é,Æ,«,ÉŽg,¢,Ü,·□BPOV ,í 4  
,Â,Ü,ÂfefXfg,Â,«,Ü,·□BPOV ,ì□F,í 1 "Ô–Ú,<sup>a</sup>□Ô□F□A2 "Ô–Ú,<sup>a</sup>□Â□F□A3 "Ô–Ú,<sup>a</sup>□•□F□A4 "Ô–Ú,<sup>a</sup>—  
î□F,Â,·□B□<sup>3</sup>□í,É%Ž“š,μ,È,¢□ê□‡,í□A[fgf%uf<fVf...□[fefBf“fO] f{f^f“,ðfNfŠfbfN,μ,Ä–â'è,ì%øŒ^•û–  
@,ð²,x,Ü,·□B

*f*Q□[*f*€ *f*R*f*“*f*g*f*□□[*f*%,ì{*f*^*f*“,ð*f*e*f*X*f*g,μ,Ü,·□B*f*e*f*X*f*g,.,é,É,í□A*f*{*f*^*f*“,ð 1 ,Â,,Â%Ÿ,μ,Ü,·□B*f*{*f*^*f*“”Ô□†,ìŠ,,è“–  
,Ä,Í□A*f*Q□[*f*€ *f*R*f*“*f*g*f*□□[*f*%,ì□»‘¢Ɛ³,É,æ,Á,ÄƐ^è,³,ê,Ü,·□B

