

fRf“fsf...□[f^,ÉfCf“fXfg□[f<,³,ê,Ä,¢,éfQ□[f€ fRf“fgf□□[f%,âê——•\Ž!,³,ê,Ü,·□BfRf“fgf□□[f%
,ìefXfg□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,^aÅ,«,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%
,^afCf"fXfg□[f<,³,ê,Ä,¢,éf|□[fg,]^ê——,^a•\Ž|,³,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,ðflft,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*%_o,ÉŠ_„,è“–,Ä,éfQ□[*f*€ *f*|□[*f*g,ð,±,îê——,©,ç‘l,Ñ,Ü,·□B

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

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

[fn□[fhfEfFfA,ì'Ç%ÂfEfBfU□[fh] ,ðŠJ,,Æ,«,ÉfNfŠfbfN,μ,Ü,·□BfCf“fXfg□[f< fffBfXfN,a, ,é□ê□‡,Í□A,±
,ìfEfBfU□[fh,ÅfQ□[f€ fRf“fgf□□[f%,ìfhf%o,fCfo,ðfCf“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%„žž,ì□“,đž,μ,Ü,·□B'Êí□A2 žž,ìfQ□[f€ fRf“fgf□□[f%„í□A□ã%°□¶%E,É“®,©,.,±
,Æ,ª,Å,«,«„Ü,·□B,Ü,½□A3 žž,ìfQ□[f€ fRf“fgf□□[f%„É,í□AfXf□fbfgf< fRf“fgf□□[f<ª•t,¢,Ä,¢,Ü,·□B4 žž,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

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

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

$f^{\wedge}fbf^{\wedge}ffBf\mathbb{E}fNfVf\ddagger f\text{if} < fRf^{\text{“}}fgf\Box\Box[f\%,^a, ,\acute{e},\pm,\mathbb{E},\mathfrak{d}\mathfrak{Z},\mu,\ddot{U},\cdot\Box B^{\wedge}\hat{\mathbb{E}}\Box\Box A,\pm,\mathfrak{j}fRf^{\text{“}}fgf\Box\Box[f\%,\acute{E},\acute{I}f\{f^{\wedge}f^{\text{“}},^a2\Box^{\text{`}}4$
 $\mathbb{E}\hat{A},,\acute{e},\ddot{U},\cdot\Box B$

fRf“fgf□□[f%^afXfefAfŠf“fO fzfC□[f<,Â, ,é,±,Æ,ðŽ!,μ,Ü,·□B

fQ□[f€ fRf“fgf□□[f%,ÉŽ<ŠE,ì□Ø,è'Ö,|<@"\\ (POV) ,^a•”ö,³ê,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,^aÅ,«,Ü,·□B

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

fRf“fgf□□[f%^afWf‡fCfXfefBfbfN,Å, ,é,±,Æ,ðŽ!,μ,Û,·□B

[fQ□[f€ fRf“fgf□□[f%] f{fbfNfX,îê——,É•Ž!,³,ê,éfRf“fgf□□[f%—¹/₄,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,^a , ,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%,đNfŠfbfN,μ□A[OK],đNfŠfbfN,μ,Ü,·□B

Žg—p,·,é f Q□[f € f R f “ f g f □□[f %o,É f %o f _□[,Ü,½,Í f y f _f <,^a, ,é,±,Æ,ð Ž!,μ,Ü,· □ B,Ü,½,Í □ A □ Ú ±
,μ,½ f %o f _□[,Ü,½,Í f y f _f <,^a—L Œ ∅,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,^aŽæ“¾,³ê,Ü,·□B,Ù,©,ìfRf“fgf□□[f%,ì□ê□‡,í□AfRf“fgf□□[f%,ìŽí—
p,É%ž,¶,½”Ä—p,ì□Ý'è'l,^aŽg,í,ê,Ü,·□B

[ffofCfX,ì²@fEfBfU[fh] ,ð«N“@,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B,±,ìfEfBfU[fh,É,æ,Á,Ä□AfQ□[f€
fRf“fgf□□[f%,ìŽ²,ì“@□ì"Íí,ð□Ý'è,μ,Ü,·□B

“@□”íí,ðfexfg,·,é,Æ,«,ÉŽg,¢,Ü,·□Bfexfg f{fbfNfX,ì 4 <÷,ì,¢,,ê,©,É“í,©,È,¢□ê□‡,í□AfQ□[f€ fRf“fgf□□[f%
,ð□Ä’²□@,μ,Ä,,¾,¾,³,¢□B

“@□”íí,ðfexfg,·,é,Æ,«,ÉŽg,¢,Ü,·□Bfexfg f{fbfNfX,ì□ã%°,É“í,©,È,¢□ê□‡,í□AfQ□[f€ fRf“fgf□□[f%
,đ□Ä'²□@,μ,Ä,,¾,¾,³,¢□B

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,^a□Ô□F□A2 "Ô-Ú,^a□Â□F□A3 "Ô-Ú,^a□•□F□A4 "Ô-Ú,^a—
î□F,Â,·□B□³□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

