

fVfXfef€ ,ÉfCf“fXfg□[f<,³ê,Ä,¢,éfQ□[f€ fRf“fgf□□[f%o,îê——,ª\Ž!,³,ê,Ü,·□BfRf“fgf□□[f%o  
,ìefXfg□A□\□¬□A,Ü,½,í□Ä²□@,ð□s,ª,É,í□AfRf“fgf□□[f%o,đ'!đ,µ,Ä,©,ç [fvf□pfefB] ,đfNfŠfbfN,µ,Ü,·□B

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

'l'ð,μ,½fQ□[f€ fRf“fgf□□[f%ø,ðí□œ,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

,±, ðfQ□[f€ fRf“fgf□□[f%o, ðefXfg□A□\□¬□A,Ü,½,í²□@,ð□s,α,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

fCf" fXfg□[f<,³,ê,Ä,¢,éŠefQ□[f€ fRf"fgf□□[f%o,]fRf"fgf□□[f%o ID ,î^ê——,ª•\Ž!,³,ê,Ü,·□BŠefQ□[f€  
fRf"fgf□□[f%o,ÉŠ,,,è"—,Ä,ç,ê,Ä,¢,é ID ,í□A•ï□X,Ä,«,,Ü,·□B

*fVfXfef€*,É*fCf*“*fXfg*□[*f*◁,<sup>3</sup>ê,Ä,¢,é*fQ*□[*f*€ *fRf*“*f*g*f*□□[*f*%<sub>00</sub>,î^ê——,<sup>a</sup>•Ž!,<sup>3</sup>ê,Ü,·□B

fRf"fgf□□[f% ID ,Æ□AŠe ID ,ÉŒ»□ÝŠ,,,è"—,Ä,ç,ê,Ä,¢,éfQ□[f€ fRf"fgf□□[f%,îê——,ª\Ž!,³ê,Ü,.□B

fRf"fgf□□[f% ID ,đ'đ,μ,½Œă,ÉfNfŠfbfN,·é,Æ□AŠ,,è"—,Ă,ç,ê,Ă,¢,éfQ□[f€ fRf"fgf□□[f%,đ•ï□X,Â,«,Ü,·□B



*f*Q□[*f*€ *f*R*f*“*f*g*f*□□[*f*% *f*|□[*f*g,<sup>a</sup>*f*|□[*f*g *f*h*f*%*f*C*f*o,đ•K—v,Æ,.,é□ê□‡,Í□A,±,î<sup>^</sup>ê——,©,ç*f*|□[*f*g  
*f*h*f*%*f*C*f*o,đ'!*đ*,μ,Ä,,¾,<sup>3</sup>,¢□B

fQ[f€,ðf!f“f%ofCf“,ÅfvfƎfC,μ,Ä,¢,é,Æ,«,Éf,ff€,l-â'è,"¶,·,éê±,íAf`fFbfNf{fbfNfX,ðf!ft,É,μ,Ä,-  
,¾,¾,¢B

Ží—▷ (2  $f\{f^{\wedge}f^{\circ},\mathfrak{l}ftf\%fCf g f^{\wedge}[fN)\text{ ; },\mathfrak{ae},\tilde{N}\square\gg\bullet i-\frac{1}{4}$  (Microsoft SideWinder 3D Pro) , $\mathfrak{l}\bullet\hat{E},\acute{E}fQ\square[f\epsilon fRf^{\circ}fgf\square\square[f\%$   
, $\mathfrak{l}^{\circ}\hat{e}$ ——, $\mathfrak{d}\bullet\check{Z}\mathfrak{!},\mu,\ddot{U},\cdot\square B\%_{\circ}\hat{A}^{\circ}\backslash,\hat{A},\text{ ,}\hat{e},\hat{I}\square AfQ\square[f\epsilon fRf^{\circ}fgf\square\square[f\%,\mathfrak{l}\text{<}\mathfrak{l}^{\circ}\mathfrak{l}^{\circ}\mathfrak{l},\hat{E}\square\gg\bullet i-\frac{1}{4},\mathfrak{d}^{\circ}\mathfrak{l},\mathfrak{n},\hat{A},,\frac{3}{4},^3,\clubsuit\square B$   
 $fQ\square[f\epsilon fRf^{\circ}fgf\square\square[f\%,\mathfrak{l}\square\gg\bullet i-\frac{1}{4},\ddot{U},\frac{1}{2},\mathfrak{l}\check{Z}\acute{I}$ —▷, $\mathfrak{a}^{\circ}\hat{e}$ ——, $\acute{E}\check{S}\ddot{U},\ddot{U},\hat{e},\hat{A},\clubsuit,\hat{E},\clubsuit\square\hat{e}\square\ddagger,\acute{I}\square A[fQ\square[f\epsilon fRf^{\circ}fgf\square\square[f\%,\mathfrak{l}'\check{C}\%_{\circ}\acute{A}]$   
, $\mathfrak{d}fNf\check{S}fbfN,\mu,\hat{A}fhf\%fCfo,\mathfrak{d}fCf^{\circ}fXfg\square[f\text{<},^{\circ},\acute{e},\odot\square A,\ddot{U},\frac{1}{2},\acute{I}[f\ddagger\square[fU\square[\acute{e}\text{<}\text{`}]$  , $\mathfrak{d}fNf\check{S}fbfN,\mu,\hat{A}^{\circ}\acute{E}\check{Z}\odot,\mathfrak{l}fRf^{\circ}fgf\square\square[f\%$   
, $\mathfrak{d}\square\mathfrak{i}\square\neg,\mu,\hat{A},,\frac{3}{4},^3,\clubsuit\square B$

Žg—p't,ìfQ□[f€ fRf“fgf□□[f%,ªfRf“fgf□□[f%,ì^ê——,ÉŠÜ,Ü,ê,Ä,¢,È,¢□ê□‡,Í□A,±,±,ðfNfŠfbfN,µ,Ü,·□B

fQ[f€ fRf“fgf[f%,lŽ²”,đŽw’è,μ,Ü,·B—áŠO,à, ,è,Ü,·,ªA2 Ž²,lfQ[f€ fRf“fgf[f%,  
,í`ê”Ê,ÉAã%°,; ,æ,Ń¶%E,É“®,«,Ü,·B3 Ž²,lfQ[f€ fRf“fgf[f%,íA`ê”Ê,ÉAfXf bfgf<  
fRf“fgf[f<,đ'ñ<Ÿ,μ,Ü,·B4 Ž²,lfQ[f€ fRf“fgf[f%,íA'ÊíAfXf bfgf<,Æf%f\_ [ ,đ'ñ<Ÿ,μ,Ü,·B

$fQ \sqcup [f \in fRf \text{ “} fgf \sqcup \sqcup [f\%_o, \mathfrak{l}f\{f^{\wedge}f \text{ “} \sqcup \text{”}, \mathfrak{d}\check{Z}w'è, \mu, \ddot{U}, \cdot \sqcup B$

fQ□[f€ fRf“fgf□□[f%,a'P□f,ÈfWf‡fCfXfefBfbfN,æ,è,â•iŽG,È,à,ì,Â, ,é□ê□‡,Í□A,±,ê,ç,ìlfvfVf‡f“,ì,¢  
,,ê,©,đ'đ,μ,Û,·□B

*ftf%oCf g fVf~f...f*Ⓔ□[f^ fvf□fOf%of€—p,lfRf“fgf□□[f%o,Å, ,é,±,Æ,ǒŽw'è,μ,Ü,·□B



fpfbfhŒ^,lfRf“fgf□□[f%,Å, ,é,±,Æ,ðŽw'è,μ,Ü,·□BfpfbfhŒ^,lfRf“fgf□□[f%,Í 8 ,Â,Ì•ûŒü,É“@,«□A'Ê□í,Í 2  
,Â,©,ç 4 ,Â,lf{f^f“,ðŽ□,Á,Ä,ç,Ü,·□B

fXfefAfŠf“fO fzfC□[f<□AfAfNfZf< fyf\_f<□A,“,æ,ÑfufŒ□[fL fyf\_f<đŽ□,Á,½fRf“fgf□□[f‰,Â, ,é,±  
,Æ,đŽw`è,μ,Û,·□B

fñfbfg fXfCfbf` (POV) ,đŽ□,Á,½fQ□[f€ fRf“fgf□□[f%,Á, ,é,±,Æ,đŽw'è,μ,Ü,·□Bfñfbfg fXfCfbf` (POV)  
,đŽg,α,Æ□A%æ–Ê□ă,ḷlfufWfFfNfg,đŒ©,é^Ê'u,Ü,½,í•ûŒü,đŽw'è,Á,«,Ü,·□B

*f*†□[*f*U□[*è*◁*f*Q□[*f*€ *f*R*f*“*f*g*f*□□[*f*%◌,◌-¼‘O,ð“ü—Í,μ,Ü,◌□B,±,◌-¼‘O,Í□A[*f*Q□[*f*€ *f*R*f*“*f*g*f*□□[*f*%] *f*\_fC*f*A*f*□fO  
*f*{*f*b*f*N*f*X,◌ì [◌*f*R*f*“*f*g*f*□□[*f*%] ^ê——,É•\Z!,³ê,Ü,◌□B

,±,ìfRf“fgf□□[f% ID ,ÉŠ,,è“-Ä,éfQ□[f€ fRf“fgf□□[f%,ð'!‘ð,μ,Ü,·□B  
^ê•",ìfQ□[f€,Å,í□AfQ□[f€ fRf“fgf□□[f%,ðffofCfX ID 1 ,ÉŠ,,è“-Ä,é•K—v,<sup>a</sup>, ,è,Ü,·□B

Ží—▷ (2  $f\{f^{\wedge}f^{\circ},\}ftf\%fCf g f^{\wedge}[fN)$  ; ,æ,Ñ□»•i—¼ (Microsoft SideWinder 3D Pro) ,l•Ê,ÉfQ□[f€ fRf“fgf□□[f%  
,lˆê——,ð•žl,μ,Ü,·□B%Â“\,Â, ,ê,î□AfQ□[f€ fRf“fgf□□[f%,l<“l“l,Ê□»•i—¼,ð'l,ñ,Â,,¾,¾,¾,¾B

Ž² 1 , ,æ,Ñ 2 ,l“®,«,l”íí,ðŽ!,μ,Ü,·□BfQ□[f€ fRf“fgf□□[f%,lŽ² 1 , ,æ,Ñ 2 ('Ê□í,í X , ,æ,Ñ Y)  
,l“®,«,l”íí,ð²□®,·,é,É,í□A[²□®□í•ñ] ,lŽwŽ!,É□],Á,Ä,,¼,³,¢□B

Ž² 3 ,ì“®,«,ì”îí,ðž!,μ,Ü,·□BfQ□[f€ fRf“fgf□□[f%o,ìŽ² 3 ,ì“®,«,ì”îí,ð²²□®,·,é,É,í□A[²□®□î•ñ] ,ìžwŽ!,É□],Á,Ä,-  
,¾,¾,¢□B



Ž² 4 ,ì“®«,ì”îí,ðž!,μ,Ü,·□BfQ□[f€ fRf“fgf□□[f%o,ìŽ² 4 ,ì“®«,ì”îí,ð²□®,·,é,É,í□A[²□®□î•ñ] ,ìžwŽ!,É□],Á,Ä,-  
,¾,¾,¢□B

Ž² 5 ,ì“® ,« ,ì”îí ,ðž ! ,μ ,Ü , · □ B f Q □ [ f € f R f “ f g f □ □ [ f % , ðž² 5 , ì“® , « , ì”îí , ð²² □ ® , · , é , É , í □ A [² □ ® □ î • ñ ] , ðž w ž ! , É □ , Á , Ä , -  
, ¾ , ³ , ¢ □ B

Ž² 6 ,ì"®,«,ì"íí,ðž!,μ,Ü,·□BfQ□[f€ fRf“fgf□□[f%o,ìŽ² 6 ,ì"®,«,ì"íí,ð²²□®,·,é,É,í□A[²□®□î•ñ] ,ìžwŽ!,É□],Á,Ä,-  
,¾,¾,¢□B

*fnfbfg fXfCfbf`* (POV) ,đ□ā%°□¶%E,É"®,©,·,Æ□A,» ,îÊ'u,đŽ!,μ,Ü,·□BfQ□[f€ fRf"fgf□□[f%,ìfnfbfg  
*fXfCfbf`* (POV) ,đ'²□®,·,é,É,í□A[²□@□í•ñ] ,lŽwŽ!,É□],Á,Ä,,¾,³,¢□B

fQ□[f€ fRf“fgf□□[f%  
,Éf%<sub>o</sub>f\_□[.Ü,½,Ífyf\_f<,<sup>a</sup>,,é□ê□‡□A,Ü,½,Í•ÊÆÂ,Éf%<sub>o</sub>f\_□[.Ü,½,Ífyf\_f<,ð•t,¯,½□ê□‡,Í□AfQ□[f€  
,Â□<sup>3</sup>□í,ÉŽg,!,é,æ,ɑ,É,-,é,½,β,É [f%<sub>o</sub>f\_□□ ,ð'!ð,μ,Ü,·□B

fQ[f€ fRf“fgf[f%,đ’@,·,é,É,íA,±,±,đfNfŠfbfN,μ,Ü,·B’2@,·,é,±,Æ,É,æ,èAfQ[f€ fRf“fgf[f%,  
,lŽ²,l“@,«,|”í[ªY’è,³,ê,Ü,·BfQ[f€ fRf“fgf[f%,ªfnfbfg fXfCfbf` (POV) ,đŽ,Á,Ä,¢,éê±,íA,±,l<@“\  
,àY’è,Á,«,Ü,·B

Ž² 1 , ,æ,Ñ 2 ,l“®,«,l”íí,ðŽ!,μ,Ü,·□BfQ□[f€ fRf“fgf□□[f%,lŽ² 1 , ,æ,Ñ 2 ('Ê□í,í X , ,æ,Ñ Y)  
,l“®,«,l”íí,ð²□®,·,é,É,í□A[²□®□í•ñ] ,lŽwŽ!,É□],Á,Ä,,¼,³,¢□B

Ž² 3 ,ì“®,«,ì”îí,ðž!,μ,Ü,·□BfQ□[f€ fRf“fgf□□[f%o,ìŽ² 3 ,ì“®,«,ì”îí,ð²²□®,·,é,É,í□A[²□®□î•ñ] ,ìžwŽ!,É□],Á,Ä,-  
,¾,¾,¢□B



Ž² 4 ,ì“®,«,ì”îí,ðž!,μ,Ü,·□BfQ□[f€ fRf“fgf□□[f%o,ìŽ² 4 ,ì“®,«,ì”îí,ð²²□®,·,é,É,í□A[²□®□î•ñ] ,ìžwŽ!,É□],Á,Ä,-  
,¾,¾,¢□B

,±,ìfēfLfXfg,í□A²□@□□ì<Æ,ìŠēfXfēfbfv,ð□à-¾,μ,Ü,·□B

Ž<sup>2</sup> 1 , ,æ,Ñ 2 ,ì“®„,ì”í“í,ðfēfXfg,·,é,½,β,ÉŽg,¢,Ü,·□BfēfXfg f{fbfNfX,ì 4 ,Â,İŠp,·,×,Ä,É`Ú“®„,μ,Ä,Ý,Ä,,¾,³,¢□BŽ<sup>2</sup> 1  
 , ,æ,Ñ 2 ,<sup>a</sup>□³,μ,“½%ž,μ,È,¢□ê□‡,İ□AfQ□[f€ fRf“fgf□□[f%„,δ□Ä²□®„,μ,Ä,,¾,³,¢□B

Ž² 3 ,l"®,«,l"íí,ðfexfg,·,é,½,ß,ÉŽg,¢,Ü,·BfefXfg f{fbfNfX,ì□ã%°,É~Ú"®,μ,Ä,Ý,Ä,,¾,¾,¢BŽ² 3 ,ª□³,μ,-  
"½%ž,μ,È,¢□ê□‡,í□AfQ□[f€ fRf"fgf□□[f%°,ð□Ä'²□®,μ,Ä,,¾,¾,¢□B

Ž² 4 ,l"®,«,l"íí,ðfexfg,·,é,½,ß,ÉŽg,¢,Ü,·BfefXfg f{fbfNfX,ì□ã%°,É~Ú"®,μ,Ä,Ý,Ä,,¾,¾,¢□BŽ² 4 ,ª□³,μ,-  
"¹½%ž,μ,È,¢□ê□‡,í□AfQ□[f€ fRf"fgf□□[f%°,ð□Ä'²□®,μ,Ä,,¾,¾,¢□B

Ž² 5 ,l"®,«,l"íí,ðf efXfg, .,é,½,ß,ÉŽg,¢,Ü, ·Bf efXfg f{fbfNfX,ì ¢ã%°,É~Ú"®,μ,Ä,Ý,Ä,,¾,¾,¢BŽ² 5 ,ª ¢³,μ,-  
"¹½%ž,μ,È,¢ ¢ê ¢‡,í ¢AfQ ¢[f€ fRf"fgf ¢ ¢[f%°,ð ¢Ä'² ¢®,μ,Ä,,¾,¾,¢ ¢B

Ž² 6 ,l"®,«,l"íí,ðfexfg,.,é,½,ß,ÉŽg,¢,Ü,·BfefXfg f{fbfNfX,ì□ã%°,É~Ú"®,μ,Ä,Ý,Ä,,¾,¾,¢BŽ² 6 ,ª□³,μ,-  
"½%ž,μ,È,¢□ê□‡,í□AfQ□[f€ fRf"fgf□□[f%°,ð□Ä'²□®,μ,Ä,,¾,¾,¢□B

fQ[f€fRf“fgf□□[f%o,lfnfbfqfXfCfbf` (POV) ,ðfefXfg,.,é,½,ß,ÉŽg,¢,Ü,·□BfnfbfgfXfCfbf` (POV)  
,ðfefXfg,.,é,É,í□A□ã%o□¶%oE,É“®,©,μ,Ä,Ý,Ä,,¾,³,¢□B□³,μ,"½%oŽ,μ,È,¢□ê□‡,í□AfQ□[f€fRf“fgf□□[f%o  
,ð□Ä'²□®,μ,Ä,,¾,³,¢□B



fQ□[f€ fRf“fgf□□[f%o,lf{f^f“,ðfefXfg,μ,Ü,·□B^ê“x,É 1 ,Â,,Â□A%oÿ,μ,Ä,Ý,Ä,,¾,³,¢□Bf{f^f^""Ô□†,Í□AfQ□[f€  
fRf“fgf□□[f%o,l□»‘¢£³,ÂŠ,,,è“–,Ä,ç,ê,Ä,¢,Ü,·□B

fnfbfg fXfCfbf` (POV) ,đ²□®,.,é,Æ,«,«□AŠefXfefbfv,)ĲĚă,É,±,lf{f^f",đfNfŠfbfN,.,é,©□A,Ü,½,Í Enter  
fL□[,đ%Ÿ,μ,Ä,,¾,³,¢□B

'²»»»i«Æ,ì'O,ìfXfefbfv,É–ß,è,Ü,·»BÆ»»Ý,ìŽ²,í²»»,³ê,È,¢,Ü,Ü,É,È,é,©»A,Ü,½,íÆ³,ì²»®'ì,É–ß,è,Ü,·»B

Œ»□Ý,ì²□»fXfefbfv,ðfXfLfbfv,μ,Ä□AŽŸ,É²□»,.,éfRf“fgf□□[f<,É^Ú“@,μ,Ü,.□BŒ»□Ý,ìŽ²,í²□»,³,ê,È,¢  
,Ü,Ü,É,È,©□A,Ü,½,íŒ³,ì²□@!É–β,è,Ü,.□B

fnfbfg fXfCfbf` (POV) ,đ²».,.é,Æ,«,íAŠefXfefbfv,ìĒă,É,±,ìf{f^f“,đfNfŠfbfN,.,é,©A,Ü,½,í Enter  
fL[,đ%Ÿ,μ,Ă,,¾,³,¢B

'²»»»ikÆ,ì'O,ìfXfefbfv,É-ß,è,Ü,·»BÆ»»Ý,ìŽ²,í²»»,³ê,È,¢,Ü,Ü,É,È,é,©»A,Ü,½,íÆ³,ì²»®'ì,É-ß,è,Ü,·»B

Œ»□Ý,ì²□»fXfefbfv,ðfXfLfbfv,μ,Ä□AŽŸ,É²□»,.,éfRf“fgf□□[f<,É~Ú“@,μ,Ü,.□BŒ»□Ý,ìŽ²,í²□»,³,ê,È,¢  
,Ü,Ü,É,È,é,©□A,Ü,½,íŒ³,ì²□@!É–β,è,Ü,.□B

