

*fVfXfef€*,É*fCf*“*fXfg*□[*f*◁,<sup>3</sup>ê,Ä,¢,é*fQ*□[*f*€ *fRf*“*f**gf*□□[*f*%<sub>0</sub>,îê——,ª\Ž|,<sup>3</sup>ê,Ü,·□*BfRf*“*f**gf*□□[*f*%<sub>0</sub>  
,î*efXfg*□*A*□\□¬□*A*,Ü,<sup>1</sup>/<sub>2</sub>,í□*Ä*’<sup>2</sup>□@,ð□*s*,ª,É,í□*AfRf*“*f**gf*□□[*f*%<sub>0</sub>,đ'î'ð,µ,Ä,©,ç [*f**v**f*□*f**p**f**e**f**B*] ,đ*fNfŠf**b**fN*,µ,Ü,·□*B*

□V,μ,¢fQ□[f€ fRf"fgf□□[f%ø,ð'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

,±,ìfQ□[f€ fRf“fgf□□[f‰,ìfefXfg□A□\□¬□A,Ü,½,í²□®,ð□s,α,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

fCf" fXfg□[f<,³,ê,Ä,¢,éŠefQ□[f€ fRf"fgf□□[f%,,]fRf"fgf□□[f% ID ,î^ê——,ª•\Ž!,³,ê,Ü,·□BŠefQ□[f€  
fRf"fgf□□[f%,,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>0</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,č,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€,\delta f!f“f%ofCf“,ÅfvfƎfC,μ,Ä,¢,é,Æ,«,\Éf,ff€,\l-â'è,"□¶,·,é□ê□‡,í□Af`fFfbfN f{fbfNfX,\delta f!ft,\É,μ,Ä,-  
,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,¢□B

Ží—▷ (2  $f\{f^{\wedge}f^{\circ},\mathfrak{l}ftf\%fCf g f^{\wedge}[fN)$  , $\ddot{\cdot}$ ,æ,Ñ◻»•i—¼ (Microsoft SideWinder 3D Pro) , $\mathfrak{l}\bullet\hat{E}$ ,ÉfQ◻[f€ fRf“fgf◻◻[f%  
, $\mathfrak{l}^{\circ}\hat{e}$ ——,ð• $\check{Z}$ !,μ,Ü,◻B% $\hat{A}^{\circ}\backslash\hat{A}$ , ,ê,Î◻AfQ◻[f€ fRf“fgf◻◻[f%, $\mathfrak{l}\acute{c}\mathfrak{l}^{\circ}\mathfrak{l}^{\circ}\mathfrak{l}$ ,È◻»•i—¼,ð'! $\mathfrak{l}$ ,ñ,Ä,,¾, $\mathfrak{l}^3$ ,¢◻B  
fQ◻[f€ fRf“fgf◻◻[f%, $\mathfrak{l}\circ$ »•i—¼,Ü,½,ÍŽí—▷, $\mathfrak{a}^{\circ}\hat{e}$ ——,ÉŠÜ,Ü,ê,Ä,¢,È,¢◻ê◻‡,Í◻A[fQ◻[f€ fRf“fgf◻◻[f%, $\mathfrak{l}'\mathfrak{C}\%_{\circ}\hat{A}$ ]  
,ðfNfŠfbfN,μ,Äfhf% $\circ fCfo$ ,ðfCf“fXfg◻[f<, $\cdot$ ,é,©◻A,Ü,½,Í [f†◻[fU◻[è<`] ,ðfNfŠfbfN,μ,Ä“ÆŽ©, $\mathfrak{l}fRf^{\circ}fgf◻◻[f\%$   
,ð◻ì◻¬,μ,Ä,,¾, $\mathfrak{l}^3$ ,¢◻B

Žg—p't,ìfQ□[f€ fRf“fgf□□[f%,ªfRf“fgf□□[f%,îê——,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,·<sup>a</sup>A2 Ž²,lfQ[f€ fRf“fgf[f%  
,í`ê”Ê,ÉAā%°,; ,æ,Ň¶%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

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

fQ□[f€ fRf“fgf□□[f%,a'P□f,ÈfWf‡fCfXfefBfbfN,æ,è,à•žG,È,à,ì,Â, ,é□ê□‡,í□A,±,ê,ç,ìlfvfVf‡f“,ì,¢  
,,ê,©,đ'đ,μ,Ů,·□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◁,ðŽ□,Á,½fRf“fgf□□[f‰,Å, ,é,±  
,Æ,ðŽw`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

$f \vdash [fU \sqcap [{}^{\text{e}} \text{`} fQ \sqcap [f \in fRf \text{“} fgf \sqcap \sqcap [f\%, \text{!} \text{--} \text{1/4} \text{'O, } \delta \text{“} \ddot{u} \text{—} \acute{I}, \mu, \ddot{U}, \cdot \sqcap B, \pm, \text{!} \text{--} \text{1/4} \text{'O, } \acute{I} \sqcap A [fQ \sqcap [f \in fRf \text{“} fgf \sqcap \sqcap [f\%] \text{ } f\_fCfAf \sqcap fO$   
 $f\{fbfNfX, \text{!} \text{ } [fRf \text{“} fgf \sqcap \sqcap [f\%] \text{ } ^{\text{e}} \text{—}, \acute{E} \bullet \text{!} \acute{Z}, \text{!}^3 \acute{e}, \ddot{U}, \cdot \sqcap B$

,±,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  $f\{f^{\wedge}f^{\circ}\}$ ,  $\mathfrak{f}f\mathfrak{t}f\%_0fCf\mathfrak{g}\ f^{\wedge}\square[fN)$  , $\ddot{\cdot}$ ,æ,Ñ□»•i—¼ (Microsoft SideWinder 3D Pro) , $\mathfrak{l}\bullet\hat{\mathfrak{E}}$ ,ÉfQ□[f€ fRf“fgf□□[f%  
, $\mathfrak{l}\hat{\mathfrak{e}}$ ——,đ• $\check{\mathfrak{Z}}$ !μ,Ü,·□B% $\hat{\mathfrak{A}}^{\mathfrak{n}}$ \,Å, ,ê,Î□AfQ□[f€ fRf“fgf□□[f% $\mathfrak{o}$ , $\mathfrak{l}\mathfrak{c}\mathfrak{i}\mathfrak{i}\mathfrak{i}\mathfrak{i}$ “l,È□»•i—¼,đ'l,ñ,Å,,¾, $\mathfrak{z}$ ,¢□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,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,ð²□®,·,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>0</sub>f\_□[.Ü,½,Ífyf\_f<,<sup>a</sup>,,é□ê□‡□A,Ü,½,Í•ÊÆÂ,Éf%<sub>0</sub>f\_□[.Ü,½,Ífyf\_f<,ð•t,¯,½□ê□‡,Í□AfQ□[f€  
,Â□<sup>3</sup>□í,ÉŽg,!,é,æ,α,É,-,é,½,β,É [f%<sub>0</sub>f\_□□ ,ð'!ð,μ,Ü,·□B

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

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

Ž<sup>2</sup> 1 , ,æ, Ñ 2 , ì“® , « , ì”í“í , ð f e f X f g , · , é , ½ , ß , É Ž g , ¢ , Ü , · □ B f e f X f g f { f b f N f X , ì 4 , Â , ì Š p , · , × , Ä , É ^ Ú “ ® , μ , Ä , Ý , Ä , , ¾ , ³ , ¢ □ B Ž<sup>2</sup> 1  
 , ,æ, Ñ 2 , <sup>a</sup> □ ³ , μ , ” ½ % ž , μ , È , ¢ □ ê □ ‡ , Ì □ A f Q □ [ f € f R f “ f g f □ □ [ f % , ð □ Ä ‘ □ ® , μ , Ä , , ¾ , ³ , ¢ □ B

Ž² 3 ,l"®,«,l"íí,ðfexfg,.,é,½,ß,ÉŽg,¢,Ü,·BfefXfg f{fbfNfX,ìã%°,É^Ú"®,μ,Ä,Ý,Ä,,¾,¾,¢BŽ² 3 ,ª³,μ,-  
"½%ž,μ,È,¢ê¢†,íAfQ[f€ fRf"fgf[f%ø,ðÄ'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"fgh□□[f%ø,ð□Ä'²□®,μ,Ä,,¾,¾,¢□B

Ž² 5 ,l"®,«,l"íí,ðfexfg,·,é,½,ß,ÉŽg,¢,Ü,·BfefXfg 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,lfnfbf g fXfCfbf` (POV) ,ðfefXfg,.,é,½,ß,ÉŽg,¢,Ü,·□Bfnfbfg fXfCfbf` (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*%,ḷ*f*{*f*^*f*“,đ*fefXfg*,μ,Ü,·□B^ê“x,É 1 ,Â,,Â□A%Ÿ,μ,Ä,Ý,Ä,,¾,³,¢□B*f*{*f*^*f*""Ô□†,Í□A*fQ*□[*f*€  
*fRf*“*fgf*□□[*f*%,ḷ□»‘¢Œ³,ÂŠ,,,è“–,Ä,ç,ê,Ä,¢,Ü,·□B

fnfbfg fXfCfbf` (POV) ,đ²®;,é,Æ,«,íAŠefXfefbfv,łĖă,É,±,ł{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,©□A,Ü,½,íŒ³,ì²□@!É–β,è,Ü,.□B

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

