

fVfXfef€ ,ÉfCf“fXfg□[f< ,³,è,Ä,ç,éfQ□[f€ fRf“fgf□□[f%o,ì^è—,ª•\Žì,³,è,Ü,·□BfRf“fgf□□[f%o,ìfefXfg□A□\ □~□A,Ü,½,í□Ä'²□@,ð□s,α,É,í□A fRf“fgf□□[f%o,đ'ì'đ,μ,Ä,©,ç [fvf□pfefB] ,đfNfŠfbfN,μ,Ü,·□B

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

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

,±,lfQ[f€ fRf“fgf[f%o,lfefXfgA\A,Ü,½,í²® ,ðs,æ,«,ÉfNfŠfbfN,μ,Ü,·B

fCf“fXfg[f<,³,è,Ä,ç,éŠefQ[f€ fRf“fgf[f%o,)fRf“fgf[f%o ID ,ì^è—,ª•\Ž!,³,è,Ü,·BŠefQ[f€  
fRf“fgf[f%o,ÉŠ,,è“-,Ä,ç,è,Ä,ç,é ID ,íA•íX,Ä,«,Ü,·B

fVfXfef€ÉfCf“fXfg□[f<³,ê,Ä,ç,éfQ□[f€ fRf“fgf□□[f%o,ì^è—,ª•\Žì,³,ê,Ü,·□B

fRf“fgf□□[f% ID ,Æ□AŠe ID ,ÉCE»□ÝŠ,,è“- ,Ä,ç,ê,Ä,ç,éfQ□[f€ fRf“fgf□□[f% ,)^è—,ª•\Ž!,ª,ê,Ü,·□B

fRf“fgf□□[f% ID ,đ'ı'đ,μ,½CEă,ÉfNfŠfbfN,·,é,Æ□AŠ,,,è“-,Ä,ç,ê,Ä,ç,éQ□[f€ fRf“fgf□□[f%  
,đ•ı□X,Ä,«,Ü,·□B



fQ[f€ fRf“fgf[f%o f|f[f,af|f[f fhf%ofCfo,đ•K—v,Æ,; ,éê±,íA,±,ì^ê—,©,çf|f[f fhf  
%ofCfo,đ'đ,μ,Ä,,¾,¾,¾B

fQ[f€,"f%ofCf",ÅfvfCEfC,μ,Ä,ç,é,Æ,«,Éf,fff€,ì-â'è,"□¶,·,é□é□‡,í□Af`fFbfN f{fbfNfX,ðfift,É,μ,Ä,-  
,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ç□B

Ží—p (2 f{f^f“ ,lftf%ofCfg f^□[fN) , ,æ,Ñ□»•i-¼ (Microsoft SideWinder 3D Pro) ,l•Ê,ÉfQ□[f€ fRf“fgf□□[f  
%o,ì^ê—,đ•\Ž!,μ,Ü, □B%oÂ“\,Â, ,ê,î□AfQ□[f€ fRf“fgf□□[f%o,ì<’ì“l,È□»•i-¼,đ’l,ñ,Â,,¾,¾,¾,¾,¾,¾,¾,¾  
fQ□[f€ fRf“fgf□□[f%o,ì□»•i-¼,Ü,½,íŽí—p,â^ê—,ÉŠÜ,Ü,ê,Ä,ç,È,ç□é□ž,í□A[fQ□[f€ fRf“fgf□□[f%o,ì’Ç%oÁ]  
,đfNfŠfbfN,μ,Äfhf%ofCfo,đfCf“fXfg□[f<,•,é,©□A,Ü,½,í [f+□[FU□[’è<` ] ,đfNfŠfbfN,μ,Ä“ÆŽ©,ìfRf“fgf□□[f%o  
,đ□ì□—,μ,Ä,,¾,¾,¾,¾,¾,¾,¾,¾

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

fQ[f€ fRf“fgf[f%„ìŽ²“„đŽw’è,μ,Û,·B—áŠO,à, ,è,Û,·ªA2 Ž²,ìfQ[f€ fRf“fgf[f%„í^è”Ê,ÉAä  
%º,“,æ,Ň¶%E,É”®,«,Û,·B3 Ž²,ìfQ[f€ fRf“fgf[f%„íA^è”Ê,ÉAfXfbfgf<  
fRf“fgf[f<„đ’ň<ÿ,μ,Û,·B4 Ž²,ìfQ[f€ fRf“fgf[f%„íA’ÊíAfXfbfgf<,Æf%of\_„đ’ň<ÿ,μ,Û,·B

fQ[f€ fRf“fgf[f%o,lf{f^f“” ,đŽw'è,μ,Û,·B

fQ[f€ fRf“fgf[f%º,ª’P[f,ÈfWf‡fCfXfefBfbfN,æ,è,à•;ŽG,È,à,ì,À, ,éê±,íA,±,é,ç,ìfìvìVf‡f“,ì,ç  
,,è,©,đ’đ,μ,Û,·B

ftf%ofCfg fVf~f...fCE[]f^ fvf[]fOf%of€—p,)fRf“fgf[]f%oo,Å, ,é,±,Æ,ðŽw’è,μ,Û,·□B



fjpfbfhCE^,lfRf"fgf[]f%o,Å, ,é,±,Æ,ðŽw'è,μ,Û,·BfjpfbfhCE^,lfRf"fgf[]f%o,í 8 ,Å,ì•ùCEü,É"®,«A'Ê[]í,í  
2 ,Å,©,ç 4 ,Å,lf{f^f",ðŽ[]Á,Ä,ç,Û,·B

fXfefAfŠf“fO fzfC[]f<[]AfAfNfZf< fyf\_f<[]A,“ ,æ,ŃfufCE[]fL fyf\_f<,đŽ[],Á,½fRf“fgf[]f%oo,Å, ,é,±  
,Æ,đŽw’è,μ,Û,·[]B

fjnfjg fjCfj` (POV) ,đž,Á,½fQ[f€ fRf“fgf[f%o,Á, ,é,±,Æ,đžw'è,μ,Û,·Bfjnfjg fjCfj` (POV)  
,đžg,¤,ÆA%æ-Êã,ìfifufWfFfNfg,đCE©,é^Ê'u,Û,½,í•úCEü,đžw'è,Á,«,Û,·B

ft[fU[è`fQ[f€ fRf“fgf[f%o,)-¼'O,đ“ü—í,μ,Ü,·B,±,)-¼'O,íA[fQ[f€ fRf“fgf[f%o] f\_CfA\_fO  
f{fbfNfx,ì [fRf“fgf[f%o] ^ê—,É•Ž!,³,è,Ü,·B

,±,lfRf“fgf□□[f%o ID ,ÉŠ,,,è“-,Ä,éfQ□[f€ fRf“fgf□□[f%o,đ'ı'đ,μ,Ü,·□B

^ê•”,lfQ□[f€,Å,í□AfQ□[f€ fRf“fgf□□[f%o,đffofCfX ID 1 ,ÉŠ,,,è“-,Ä,é•K—v,<sup>a</sup>, ,è,Ü,·□B

Ží—p (2 f{f^f“,lftj%ofCfg f^□[fN) , ,æ,Ñ□»•i-¼ (Microsoft SideWinder 3D Pro) ,l•Ê,ÉfQ□[f€ fRf“fgf□□[f  
%o,l^ê—,đ•\Ž!,μ,Ü,·□B%oÂ“\,Â, ,ê,î□AfQ□[f€ fRf“fgf□□[f%o,ìčì“l,È□»•i-¼,đ'l,ň,Â,,¾,¾,¾□B

Ž<sup>2</sup> 1 , , æ, Ñ 2 , ì“ ®, «, ì” í^ í, ðŽ!, μ, Ü, · □ BfQ □ [f€ fRf“ fgf □ □ [f%oo, ìŽ<sup>2</sup> 1 , , æ, Ñ 2 (‘ Ê □ í, í X , , æ, Ñ Y)  
, ì“ ®, «, ì” í^ í, ð’<sup>2</sup> □ ®, , é, É, í □ A [’<sup>2</sup> □ ® □ í • ñ] , ìŽwŽ!, É □, Á, Ä, , <sup>3</sup>/<sub>4</sub>, <sup>3</sup>, ç □ B











fjnfjfg fXfCfbf` (POV) ,đã%°¶%E,É“ ®, ©, ,ÆA,» ,î^Ê'u,đŽ!,μ,Û,·BfQ[f€ fRf“fgf[f%o,}fjnfjfg  
fXfCfbf` (POV) ,đ'²® , ,é,É,ÍA['²®¶î•ñ] ,ìŽwŽ!,É],Á,Ä,,¾,³,çB

fQ[f€ fRf“fgf[f%oo,Éf%of\_[.Ü,½,Ífyf\_f<,ª, ,éêê#A,Ü,½,Í•ÊĈÊ,Éf  
%of\_[.Ü,½,Ífyf\_f<,ð•t,¯,½êê#,íAfQ[f€,Á³í,ĚŽg,!,é,æ,α,É,·,é,½,β,É [f%of\_[ ] ,ð'!ð,μ,Ü,·B

fQ[]f€ fRf“fgf[]f%o,đ’²[]®,;é,É,í[]A,±,±,đfNfŠfbfN,μ,Û,·[]B’²[]®,;é,±,Æ,É,æ,è[]AfQ[]f€ fRf“fgf[]f%o  
,iž²,i“®,«,i”í^í,²[]Ý’è,³,è,Û,·[]BfQ[]f€ fRf“fgf[]f%o,²fnfbfg fXfCfbf` (POV) ,đŽ[],Á,Ä,ç,é[]è[]#,í[]A,±,ì<@”\  
,à[]Ý’è,Á,«,Û,·[]B

Ž<sup>2</sup> 1 , , æ, Ñ 2 , ì“ ®, «, ì” í^ í, ðŽ!, μ, Ü, · □ BfQ □ [f€ fRf“ fgf □ □ [f%oo, ìŽ<sup>2</sup> 1 , , æ, Ñ 2 (‘ Ê □ í, í X , , æ, Ñ Y)  
, ì“ ®, «, ì” í^ í, ð’<sup>2</sup> □ ®, , é, É, í □ A [’<sup>2</sup> □ ® □ í • ñ] , ìŽwŽ!, É □, Á, Ä, , <sup>3</sup>/<sub>4</sub>, <sup>3</sup>, ç □ B





Ž<sup>2</sup> 4 ,)“® ,«,)“í^í,đŽ!,μ,Ü,·□BfQ□[f€ fRf“fgf□□[f%o,)Ž<sup>2</sup> 4 ,)“® ,«,)“í^í,đ’<sup>2</sup>□® , ,é,É,í□A[’<sup>2</sup>□®□í•ň] ,)ŽwŽ!,É□  
,Á,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,¢□B

,±,lfefLjXfg,íA'²©i<Æ,ìŠefXfefbfv,ðà-¾,μ,Ü,-B

Ž<sup>2</sup> 1 , , æ, Ñ 2 , l" ® , « , l" í , ð , f , e , X , f , g , , , é , ½ , ß , É , Ž , g , ç , Ü , · , B , f , e , X , f , g , f { , f , b , f , N , f , X , l 4 , Â , l Š , p , , , x , Ä , É , Ú " ® , µ , Ä , Ý , Ä , - , ¾ , ¾ , ç B Ž<sup>2</sup> 1 , , æ, Ñ 2 , a<sup>3</sup> , µ , " ½ % o ž , µ , È , ç é ç ð , í A f Q ç ç f ç f R f " f g f ç ç f % o , ð Ä ' 2 ç ® , µ , Ä , , ¾ , ¾ , ç B

Ž² 3 ,ì“® ,« ,ì“í^í ,đfefXfg , ,é ,½ ,β ,ÉŽg ,ç ,Ü , ·BfefXfg f{fbfNfX ,ìã%º ,É^Ú“ ® ,μ ,Ä ,Ý ,Ä , ,¾ ,¾ ,ç BŽ² 3 ,ª³ ,μ , -  
"½%ž ,μ ,È ,ç ê ð † , í AfQ [f€ fRf“ fgf [f% ,đ Ä'² ® ,μ ,Ä , ,¾ ,¾ ,ç B

Ž<sup>2</sup> 4 ,l“® ,« ,l“í^í ,đfefXfg , ,é ,½ ,β ,ÉŽg ,ç ,Ü ,·BfefXfg f{fbfNfX ,lã%º ,É^Ú“® ,μ ,Ä ,Ý ,Ä ,¾ ,¾ ,ç BŽ<sup>2</sup> 4 ,<sup>a</sup>³ ,μ ,  
”½%ž ,μ ,È ,ç ê ð † ,í AfQ [f€ fRf“ fgf [f%º ,đ Ä ‘² ® ,μ ,Ä ,¾ ,¾ ,ç B

Ž<sup>2</sup> 5 ,)“® ,« ,)“í^í ,đfefXfg , ,é ,½ ,β ,ÉŽg ,ç ,Ü ,·BfefXfg f{fbfNfX ,)ã%º ,É^Ú“® ,μ ,Ä ,Ý ,Ä , ,¾ ,¾ ,ç BŽ<sup>2</sup> 5 ,ª³ ,μ , -  
”½%ž ,μ ,È ,ç ê ð † ,)A f Q [ f € f R f “ f g f [ f % ,đÄ’²® ,μ ,Ä , ,¾ ,¾ ,ç B

Ž<sup>2</sup> 6 ,l“® ,« ,l“í^í ,đfefXfg , ,é ,½ ,β ,ÉŽg ,ç ,Ü , ·BfefXfg f{fbfNfX ,lã%º ,É^Ú“® ,μ ,Ä ,Ý ,Ä , ,¾ ,¾ ,ç BŽ<sup>2</sup> 6 ,ª³ ,μ , -  
”½%ž ,μ ,È ,ç ê ð † , í AfQ [f€ fRf“ fgf [f%º ,đÄ’²® ,μ ,Ä , ,¾ ,¾ ,ç B

fQ[f€ fRf“fgf[f%o,lfnfbfq fXfCbf` (POV) ,ðfefXfg,·,é,½,ß,ÉŽg,ç,Û,·Bfnfbfg fXfCbf` (POV)  
,ðfefXfg,·,é,É,íAã%o°¶%oE,É“® ,© ,μ,Ä,Ý,Ä,,¾,¾,çB³,μ,“½%ž,μ,É,çèç,íAfQ[f€ fRf“fgf[f%o  
,ðÄ²ç®,μ,Ä,,¾,¾,çB



fQ[f€ fRf“fgf[f%o,lf{f^f“,ðfefXfg,μ,Ü,·B^ê“x,É 1 ,Â, , ,ÂA%oÿ,μ,Ä,Ý,Ä,-  
,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,çBf{f^f“”Ô+ ,íAfQ[f€ fRf“fgf[f%o,ì»‘ç€<sup>3</sup>,ĂŠ,,è“- ,Ä,ç,ê,Ä,ç,Ü,·B

fnfbfg fXfCfbf` (POV) ,đ'²□@, : ,é,Æ,«,í□AŠefXfefbfv,)Ĉě,É,±,)f{f^f“ ,đfNfŠfbfN, : ,é,©□A,Ü,½,í Enter  
fL□[,đ%oŸ,μ,Ā,,¾,³,¢□B

'²»»i<Æ,ì'O,lfXfefbfv,É-ß,è,Ü,·»BCE»Y,ìŽ²,í²»»,³,ê,È,ç,Ü,Ü,É,È,é,©A,Ü,½,íE³,)'²»®'l,É-ß,è,Ü,·»B

CE»Ÿ,ì²»fXfefbfv,đfXfLfbfv,μ,ÄAŽŸ,É²»,.éRf“fgf[f,É^Ú“®,μ,Ü,·BCE»Ÿ,ìŽ²,í²»,³,ê,È,ç  
,Ü,Û,É,È,é,©A,Û,½,íCE³,ì²®¹,É-ß,è,Ü,·B

fnfbfg fXfCfbf` (POV) ,đ'²»» ,.é,Æ,« ,íAŠefXfefbfv,ìCEã,É,±,ìf{f^f" ,đfNfŠfbfN ,.é,©A,Ü,½,í Enter  
fL[ ,đ%oŸ,μ,Ä,,¾,³,çB

'²»»i<Æ,)'O,lfXfefbfv,É-ß,è,Ü,·»BCE»Y,ìŽ²,í²»»,³,ê,È,ç,Ü,Ü,É,È,é,©A,Ü,½,íE³,)'²»®'l,É-ß,è,Ü,·»B

CE»Ÿ,ì²»fXfefbfv,đfXfLfbfv,μ,ÄAŽŸ,É²»,.éRf“fgf[f,É^Ú“®,μ,Ü,·BCE»Ÿ,ìŽ²,í²»,³,ê,È,ç  
,Ü,Û,É,È,é,©A,Û,½,íCE³,ì²®¹,É-ß,è,Ü,·B

