

ÁÐ³òÕÑ°²×°μÄÓŦ·¿ØÖÆÆ÷°ÍËũÃÇμÄ×

‘İ¬ıÉÈçÒª²âÊÔ¡¢ÅäÖÃ»ðÖØÐÂÐ£×¼¿ØÖÆÆ÷£-ÇëÔÚÁÐ±íÖÐμ¥»÷ËüμÃŦ³Æ£-Ê»°óμ¥»÷¡°ÊðÐÔ¡±ı£

μ¥»÷'Ē'!¿Éİİ¼ÓĐÂμĂŎŦ·¿ØŎÆÆ÷j£

,üÐÃÏÔÊ¾ÔÚ¡°ÓÏ·¿ØÖÆÆ÷¡±ÁÐ±íÖÐµÄÐÃÏø£

É¾ÿÑ¡µÄÖÏ·¿ØÆÆ÷¡£

μ¥»÷'Ê'!¿É²âÊÔ¡¢ÃäÖÃ»òÐ£×¼,ÃÓŒ·¿ØÖÆÆ÷¡£

ÁÐ³õÒÑº²×ºÔÚ,Ã¼¼ÆËã»úÉÌµÄÃ¿,öÓÏ·¿ØÖÆÆ÷µÄ¿ØÖÆÆ÷±êÊ¶·û¼û  
¿ÉÒÔ,Û·ÖÁã,øÃ¿,öÓÏ·¿ØÖÆÆ÷µÄ±êÊ¶·û¼û

ÁĐ³ôÕÑ°²×°ÔÚ,Ã¼/₄ÆĚă»úÉİμĂÓİİ·¿ØÖÆÆ÷j£

ÁÐ³ö¿ØÖÆÆ÷±êÊ¶·ûÒÔ¼°·ÖÃä,øÃ¿Ô»±êÊ¶·ûµÄÓï·¿ØÖÆÆ÷|£



μ¥»÷'É'¿É,ü,Ä·ÖÅä,øÑ¿¶±êÊ¶°ÅμÄÓŒ¿ØÖÆÆ÷¿£

Ö,Ŧ"ÓŦ"·¿ØÖÆÆ÷ŦË¿ÚË"Èç¹ûÐèÒªμÄ»°£©ËùÓÃμÄŦË¿Ú¿£

ÔÊĐÍÆäËûÉè±,£`Èçμ÷ÖÆ½âμ÷Æ÷£©ÖĐ¶ĭĭÓĭĭ·¿ØÖÆÆ÷μÄ²Û×÷ĭ£μ«ÊÇ£¬ÑĭÖĐ,Ã,  
´Ñĭ¿ò»áμ¼ÖÃÓĭĭ·¿ØÖÆÆ÷³ðĭÖÒ»¶ĭμÄ·´ÓĭÑÓ³Ûĭ£  
Èç¹ûÓĭĭ,ËÔÚÓĭĭ·ÖĐ¹×÷²»ÖýË·£¬ÇèÇâ³ý,Ã,´Ñĭ¿òĭ£  
Èç¹ûÔÚÍæÁª»úÓĭĭ·Ê±μ÷ÖÆ½âμ÷Æ÷¹×÷²»ÖýË·£¬»ðÔÚÊ¹ÓÃÓĭĭ·¿ØÖÆÆ÷Ê±·£ÉúÁËÍøÂç»ðÆäËûÓ²¼pÎÊìâ£¬Çè  
ÑĭÖĐ,Ã,´Ñĭ¿òĭ£

Í-Ê±°`ÀàĐÍ£``ÀýÈçÁ½,ö°`Â¥µÄ·ÉĐĐ²Ù×Ý,Ě£©°Í²úÆ·Ăû³Æ£``ÀýÈç Microsoft SideWinder 3D  
Pro£©ÁĐ³òÓĬ·¿ØÖÆÆ÷¿£Èç¹û¿ÉÄÜ£¬ÇěÑ¿ÔňÓĬ·¿ØÖÆÆ÷µÄ²úÆ·Ăû³Æ¿£  
Èç¹ûĤ  
´ÁĐ³òÓĬ·¿ØÖÆÆ÷µÄ²úÆ·Ăû³Æ»òÀàĐÍ£¬Çěµ¥»÷¿ĬÍ¼¼ÓÆäĚü¿±ÒÔ²²×°ÆäÇý¶¶³ĬĐò£¬»òµ¥»÷¿×Ô¶¶Òă¿±ÒÒÖ,¶¶  
ÓĬ·¿ØÖÆÆ÷µÄİØĐÔ¿£

Èç¹úÓŒ·çØÖÆÆ÷ŦÁĐ³öÇÒĂúÓĐº²×°Àì£¬Çëμ¥»÷´Ë´|;£ÔÚŦÂÒ»,öŦŦÔ»°çòÉŦ£¬μ¥»÷;°´Ó´ĂÀìº²×°;±£¬È»°ó´ŦŦÆÁĂ»ŦáÊ¾¼²Û×÷;££

Èç¹úÓŒ·¿ØÖÆÆ÷Î´ÁĐ³òÇÒĂúĂ»ÓĐ°²×°ĀĬ£¬Çëµ¥»÷´Ě´ĬĬ£¿ÉÖ,Œ´¿ØÖÆÆ÷µĀĬØĐÔĬ£

Ö,¶"ÓŦ·¿ØÖÆÆ÷ÖáµÄÊýÄ¿£¼¿¹ÜÓÐÀýÍâ£¬Á½ÖáÓŦ·¿ØÖÆÆ÷Í"£  
¿ÉÒÔÉŦŦ×óÓÒÒÆŦŦ¿ÊËýÖáÓŦ·¿ØÖÆÆ÷Í"£°ü°¬½ÚÁ÷·§¿ØÖÆ¿ÊÄÖáÓŦ·¿ØÖÆÆ÷ÔðÍ"£  
°ü°¬½ÚÁ÷·§Í·½ŦðŦæ¿£

Ö,¶ÓŦ·¿ØÖÆÆ÷°Å¥µÄÊýÄ¿iE



Ö,¶"ÈùÉèÖÃÓŦ·¿ØÖÆÆ÷μÄÄàĐÍ;£

Ö,¶"ÄúÓÐÒ»,öÓÃ×÷·ÉÐÐ¿ØÖÆÆ÷/,ËμÄÓÏ·¿ØÖÆÆ÷¡£

Ö,¶"ÄúÓÐÒ»,ö¿É³°Ë,ö·½ïðÒÆ¶µÄ`¥Ãþ¶"ïðÓï·¿ØÖÆÆ÷¡£,ÃÀàÐíµÄÓï·¿ØÖÆÆ÷í³£ÓÐÁ½,ö»ðËÄ,ö°Ä¥¡£

Ö,ŦÖŦ.¿ØÖÆÆ÷ÓÐ.½İòÂİ;¢ÓİÃÅ°İÉ<sup>23</sup>μ½Âİ°âİ£

Ö,¶´ÓŒ·çØÖÆÆ÷ÓÐÊÓµă (POV) Í·çøjEPOV ÄÜÈÃÄúÖ,¶´ă¯ÀÀÆÁÄ»İİİåµÃİ»ÖÃı.½İðjE

¿ÉÔÚĚ

‘|ÊäÈë×Ô¶”ÒåÓĬ.¿ØÖÆÆ÷μĂĂŭ³Æ¡£,ĂĂŭ³Æ½«³öĬÖÔÚÒÑ°²×°ÔŬ¼ÆĚă»úÉĬμ¿ÉÓĂ¿ØÖÆÆ÷ÁĐ±íÖĐ¡£

Ö,ŦıçØÖÆÆ÷ÊÇÓŦı,Ëı£

ïÔÊ¾¿É·ÖÄä,øÑ¡¶´Óï·¿ØÖÆÆ÷μÄ±êÊ¶°Å¡£μ¥»÷¼¿ýí·ÒÔ,ü,Ä¿ØÖÆÆ÷±êÊ¶°Å¡£  
ÓÐÐ©Óï·ÒªÇóÓï·¿ØÖÆÆ÷μÄ¿ØÖÆÆ÷±êÊ¶°Å¡ª 1¡£



ïÔÊ¾Ñ;¶·¿ØÖÆÆ÷±êÊ¶°Å;£ÊÇÒªª,Ã±êÊ¶°Å·ÖÅäÓ¶·¿ØÖÆÆ÷£¬ÇèÔÚ°Ó¶·¿ØÖÆÆ÷±ÁÐ±íÖÐµ¥»÷,Ã¿ØÖÆÆ÷µÃÃû³Æ;£

ÁÐ³ö¿ÉÓÃµÄÖÎ·¿ØÖÆÆ÷¡£

ïÔÊ¾Öá 1 °Í Öá 2 ·½ïðμÄÒÆ¶·¶Î§îÊÈçÒªÔÚÖá 1 °Í Öá 2Ê´Í³ÊÊÇ X Öá°Í Y  
ÖáÊ©·½ÏðÐÊ×¼ÓÏ·¿ØÖÆÆ÷μÄÒÆ¶·¶Î§Ê¬Çë°´í°ÐÊ×¼ÐÃ¶;±ÇøÓðμÄÏáÊ¾²Ù×÷;¡Ê

ïÔÊ¾Öá 3 ·½ïðμÄÒÆΠ·¶Î§¡£ÈçÒªÓÚÖá 3 ·½ïðÐ£×¼ÓÏ·¿ØÖÆÆ÷μÄÒÆΠ·¶Î§£¬Çê°¡ï°Ð£×¼ÐÃï£  
¡±ÇøÓðμÄÏáÊ¾²Ü×÷¡£

ĩÔÊ¾Öá 4 ·½ìòµÄÖÆ¶·¶îſî£ÊËçÒªÔÚÖá 4 ·½ìòÐ£×¼Óſ·¿ØÖÆÆ÷µÄÖÆ¶·¶îſ£-Çë°ì°Ð£×¼ÐĀĩ  
j±ÇøÓòµĀĭăÊ¾²Û×÷j£

ĩÔÊ¾Öá 5 ·½ìòμÄÖÆ¶·¶îſî£ÊËçÒªÔÚÖá 5 ·½ìòÐ£×¼Óſ·¿ØÖÆÆ÷μÄÖÆ¶·¶îſ£-Çë°î°Ð£×¼ÐĂĩ¢  
j±ÇøÓòμĂĩáÊ¾²Û×÷j£

ĩÔÊ¾Öá 6 ·½ìòμÄÖÆ¶·¶îſî£ÊËçÒªÔÚÖá 6 ·½ìòÐ£×¼Óſ·¿ØÖÆÆ÷μÄÖÆ¶·¶îſ£-Çë°î°Ð£×¼ÐĂĩ¢  
j±ÇøÓòμĂĩáÊ¾²Û×÷j£

ÉïĀ×óóòòÆſ̄Ê±ïôÊ¾Êóũ (POV) Í·çµĀî»ÖĀîÊÈçÒªĐ£×¼ÓĬ·çØÖÆÆ÷µĀ POV Í·çø£¬çĕ°ĵ°Đ£×¼ĐĀĭ  
ĵ±ÇøÓòµĀĬáÊ¾²Û×÷ĵ£



Ö,¶´ÓŸ·¿ØÖÆÆ÷ÓÐ·½İò¶æ»ð½Äİ°â£¬»ðÊÇ,½¼ÓÁĖμ¶¶ÄμÄ·½İò¶æ»ð½Äİ°âİ£μ¥»÷´Ê´ÒÔÈ·±  
£·½İò¶æ»ð½Äİ°â½«ÔÚÓŸ·ÖÐ¹¤×÷İ£

μ¥»÷'Ē'!ÔÔĐ£×¼Ōĩ·¿ØÖÆÆ÷¿£Đ£×¼¹×÷¿ÉÉèÖǺŌĩ·¿ØÖÆÆ÷μǺǺǺǺòĐÆ¶·¶ĩ§¿£Éç¹ŭŌĩ·¿ØÖÆÆ÷ÓĐĒÓμǺ  
 (POV) Í·¿Ø£¬Ò²¿ÉÒÔĐ£×¼₄Ǻĩ¿ØÖ÷¿£

ïÔÊ¾Öá 1 °Í Öá 2 ·½ïðμǺÒÆ¶·¶î§î£ÈÇÒªÔÚÖá 1 °Í Öá 2£í³£ÊÇ X Öá°Í Y  
Öá£©·½ïðÐ£×¼Óï·¿ØÖÆÆ÷μǺÒÆ¶·¶î§£¬Çë°í°Ð£×¼ÐǺ¶î±ÇøÓðμǺìáÊ¾²Ù×÷î£

ĩÔÊ¾Öá 3 ·½ìòμÄÖÆ¶·¶îſî£ÊËçÒªÔÚÖá 3 ·½ìòÐ£×¼Óſ·¿ØÖÆÆ÷μÄÖÆ¶·¶îſ£-Çë°î°Ð£×¼ÐÃſ  
j±ÇøÓòμÄîáÊ¾²Û×÷j£

ĩÔÊ¾Öá 4 ·½ìòμÄÖÆ¶·¶îſî£ÊËçÒªÔÚÖá 4 ·½ìòÐ£×¼Óſ·¿ØÖÆÆ÷μÄÖÆ¶·¶îſ£-Çë°î°Ð£×¼ÐĂĩ¢  
j±ÇøÓòμĂĩáÊ¾²Û×÷j£

$$\tilde{A}^{\epsilon} \tilde{E}^{\delta} D^{\epsilon} x^{1/4} \tilde{U}^{\epsilon} \div \mu \tilde{A}^{\epsilon} \tilde{U}^{\delta} \tilde{O}^{\epsilon} \tilde{E}^{\delta}$$

zâÊÔÖá 1 °í 2 ·½lòµÄÒÆ¶·¶lŒjEÇë³¢ÊÔµ½´²âÊÔ¿òµÄËÄ½ÇiEÈÇ¹ûÖá 1 °íÖá 2  
lìÓl²»ÖýÈ·£¬ÇëÖÐÄÐ£×¼Ól·¿ÖÖÆÆ÷i£

²âÊÔÖá 3 ·½ïðµÄÒÆ¶·¶Î§¡£Çë³¢ÊÔÓÃÓ¶·¿ØÖÆÆ÷ÊµÄÖá¿ØÖÆÆ÷µ½´²âÊÔ¿ðµÄ¶²¿µ×²¿¡£ÊË¹ûÖá 3  
ïÓ¹²»ÖýÊ·£¬ÇëÖÐÐÂÐ£×¼¼Ó¶·¿ØÖÆÆ÷¡£



2âÊÔÖá 4 ·½ïðµÄÒÆ¶·¶Î§i£Çë³£ÊÔµ½'í²âÊÔ¿ðµÄ¶²¿°íµ×²¿i£Êÿ¹ûÖá 4  
ïïÓ'²»ÖýÊ·£¬ÇëÖÐÐÂÐ£×¼¼Ó¶·¿ÖÖÆÆ÷i£

²âÊÔÖá 5 ·½ïðµÄÒÆ¶·¶Î§¡£Çë³¢ÊÔµ½´¡²âÊÔ¿ðµÄ¶²¿°¡µ×²¿¡£ÊË¹ûÖá 5  
ïÒ'²»ÖýÊ·£¬ÇëÖÐÐÂÐ£×¼Ó¶·¿ÖÖÆÆ÷¡£

2âÊÔÖá 6 ·½ïðµÄÒÆ¶·¶Î§¡£Çë³¢ÊÔµ½'¡²âÊÔ¿ðµÄ¶²¿°¡µ×²¿¡£ÊË¹ûÖá 6  
ïïÓ'²»ÖýÊ·£¬ÇëÖÐÐÂÐ£×¼¼Ó¶·¿ðÖÆÆ÷¡£

Èç¹ûÓŒ·çØÖÆÆ÷ÓÐÊÓµã (POV) Í·çø£-Ôð²ãÊÔËü;£ÈçÒ²ãÊÔÊÓµã POV  
Í·çø£-ÇëÉŒ×óÓÒµØÒÆ¶ËËü;£Èç¹ûŒÓ|²»ŒýÊ·£-ÇëÖØÐÂÐ£×¼ŒÓŒ·çØÖÆÆ÷;£

²ãÊÔÓŦ·¿ØÖÆÆ÷μÄ°Å¥¡£Ã¿Ŧ°ÓŦ·¿ØÖÆÆ÷μÄÒ»‚ö°Å¥¡£°Å¥±à°ÅμÄ·ÖÅãÓÉÓŦ·¿ØÖÆÆ÷μÄÉú²úÉÌÈ·ŦŦ¡£

Ã¸Ö´ÐÐÐ£×¼ PO V Í·¸øµÄÖ»¸ö²½ÖèÖ®°ó£¬¶¼Çëµ¥»÷´Ë´|»ð°´ Enter ¼Üj£

·μ»Øμ½Ð£×¼¹ý³îμÄÉÏÒ»²½î£μ±Ç°Öá½«±£³ÖÏ´Ð£×¼×´Î¬»ð·μ»ØÒÔÇ°μÄÐ£×¼Öμî£

l̈ø¹ýμ±Ç°Đ£×¼²¹½Öè£¬×ªμ½ĩÂÖ»‚öÖªĐ£×¼μÄ¿Ø¼₄pı£μ±Ç°Öá½«±£³ÖĩĐ£×¼×´ĩ¬»ð·μ»ØÖÔÇ°μÄĐ£×¼Öμı£



Ã¿Ö´ÐÐÐ£×¼ POv Í·¿øµÄÖ»\_ö²½ÖèÖ®°6£-¶¼Çëµ¥»÷´Ë´!»ð°´ Enter ¼Üj£

·μ»Øμ½Ð£×¼¹ý³îμǺÉĬŎ»²¹½î£μ±Ç°Ŏá½«±£³ŎĬ̃Ð£×¼×´Ĭ¬»ð·μ»ØŎŎÇ°μǺÐ£×¼Ŏμĭ£

İø¹ýµ±Ç°Đ£×¼²½Öè£¬×ªµ½İÂÖ»,öÖªĐ£×¼µÄ¿Ø¼µİ£µ±Ç°Öá½«±£³Öİ¬Đ£×¼×´İ¬»ð·µ»ØÖÔÇ°µÄĐ£×¼Öµİ£

ïÔÊ¾¿ÉÓÃÓÚ°²×°ÐÂÓï·μÄÇý⌈Æ÷¼°Óï·¿ÉÓÃμÄ´ÅÄì¿Ö¼ä¿£ïþ·¨ÔÚ⌈ÀÖ¼μÄÇý⌈Æ÷Éï,ü,ÃÓï·ÈùÓÃμÄ´ÅÄì¿Ö¼ä°Ù·Ö±È¿£

ÔÚËùÓÐçγΓÆ÷Éï½«Óï·ζÉÓÃμÄ´ÅÄìζÖ¼ä°Ù·Ö±È»¹ÔîªÄ¬ÈïÖμj£

μ÷ÕûÓŦ·¿ÉÓÃμÄ´ÅÅ¿¿Ŧ¼ä°Û·Ö±È¿£

ĩÔÊ¾ÓÐ¹Ø´ò¿ªºíÊ¹ÓÃÓĩÒðÁÃìµÃĩêĩ,ÐÃĩ¢ĩ£

ÁÐ³òÔÚÓöÁª»úÅóÓÑÁÄìµÄí-Ê±¿ÉÒÔíæµÄÓíí-¿£



,ÄîÄ¼p²»ÓÃÓÚä¯ÄÄ

