

f *w* *f* < *f* *v* *f* *g* *f* *s* *f* *b* *f* *N*, *l* ^ ê — , ð • Ž ! , , é , É , í □ *A* [*f* *w* *f* < *f* *v*] , *l* [*f* *g* *f* *s* *f* *b* *f* *N* , *l* € Ÿ □ ð] , ð *f* *N* *f* Š *f* *b* *f* *N* , *μ* , Ä , , ¾ , ³ , € □ *B*

DirectX

Microsoft® DirectX®

- DirectX
- -â'è.ìĈ^ô.đ"Á'è. .é
- DirectX fRf"f|"[f|f"fg.ìfefXfg.đ□s,□
- Šù'è.]"@□ì.đ•ì□X. .é
- fhf%oCfo.đ•œĈ³. .é
- □î•ñ.đ•Ů'ŋ. .é
- -â'è.đ•ñ□□. .é

DirectX □f'ffc□[f<,É,Â,¢,Ä

DirectX® □f'ffc□[f<,Í□AfVfXfef€□ã,Ì Microsoft® DirectX fAfvfŠfP□[fVf‡f“ fvf□fOf%of~f“fO
fCf“f^□[ftfFfCfX,ÌfRf“f|□[flf“fg,;æ,Ñfhf%oCfo,ÉŠÖ,·,é□î•ñ,ð•Ž!,μ□AfTfEf“fh,âfOf%oftfBfbfNfX,Ì□o—
ÍfefXfg,ð□s,¢,Ü,·□B,Ü,½□A^ê•”,Ìfn□[fhfEfFfA fAfNfZf%o fÆ□[f^,Ì<@“\,ð–³Æø,É,·,é,±,Æ,à,Ä,«,Ü,·□B

,±,Ìfc□[f<,ðŽg,¤,Æ□AfTf|□[fg fZf“f^□[Ö,Ì–â,¢□‡,í,¹†,É□î•ñ,ðŽû□W,μ□AfTf|□[fg<Z□pŽÒ,É“,„,é,±
,Æ,a,Ä,«,Ü,·□B,Ü,½□AfC□[f<,ªŽû□W,μ,½□î•ñ,ð•Ů“¶,μ□A“dŽqf□□[f< f□fbfZ□[fW,É“,è•t,¯,é,±,Æ,à,Ä,«,Ü,·□B

□î•ñ,Í□A□”fy□[fW,Ìf^fu,É•ª,¯,Ä•Ž!,³,ê,Ü,·□Bfy□[fW,©,çfy□[fW,Ö^Ů“®,·,é,É,Í□AZŽŸ,Ì•û–@,ª, ,è,Ü,·□B

- f^fu,ðfNfŠfbfN,·,é□B
- [ŽŸfy□[fW],ðfNfŠfbfN,·,é□B
- “û—ÍftfH□[fJfX,ªf^fu,É, ,é,Æ,«,É□A□¶%oE,Ì•ûÆûfL□[ð%oŸ,·□B

’□ : ffbfXfvfÆfC fJ□[fh,Ìf□f,fŠ—Ê,È,Ç□A^ê•”,Ì□î•ñ,É,Â,¢,Ä,Í□AŠTŽZ,Ì'l,Â, ,é□ê□‡,ª, ,è,Ü,·□B

-â'è,ìĈë"ö,ð"Á'è,-,é

DirectX fAfvfŠfP□[fVf‡f",ìŽÀ□s't,É-â'è,a"□¶,μ,½□ê□‡,í□ADirectX □fffc□[f<,ðŽg,α,Æ-â'è,ìĈë"ö,ð"Á'è,Ä,«,Ü,·□BŽŸ,ì,æ,α,É-â'è,a,É,¢,©Šm"F,μ,Ä,,¾,¾,¾,¢□B

- Ĉë,Á,½fo□[fWf‡f",ì DirectX fRf"f|□[f|f"f g□B[DirectX ftf@fCf<] f^fu,ì [□^Ó] ,Ä□Afx□[f^ ftf@fCf<,âfffofbfO ftf@fCf<,ÉŠÖ,·,éĈx□□,a,É,¢,©Šm"F,μ,Ä,,¾,¾,¾,¢□Bfx□[f^ ftf@fCf<,í□%Šú,ìfefXfg— pfo□[fWf‡f",Ä□A□□—p fAfvfŠfP□[fVf‡f",Æ<α,ÉfCf"fXfg□[f<,·,x,«,à,ì,Ä,í, ,è,Ü,¹,ñ□BfffofbfO fo□[fWf‡f",ívf□fOf%œ,ðŠJ",·,é□Ü,ÉŽg,í,è,éftf@fCf<,Ä□A,±,ê,à□Ä□I□»·i,Æ<α ,ÉfCf"fXfg□[f<,·,x,«,à,ì,Ä,í, ,è,Ü,¹,ñ□BfffofbfO fo□[fWf‡f",ìfRf"f|□[f|f"f g,a fCf"fXfg□[f<,¾,è,Ä,¢ ,é,Æ□A□»·i"Ä,a fCf"fXfg□[f<,¾,è,Ä,¢,é□ê□‡,æ,è,à fAfvfŠfP□[fVf‡f",ìŽÀ□s'—"x,a"â•□,É'á%°,·,é,±,Æ,a ,è,Ü,·□B
- "F'è,¾,è,Ä,¢,É,¢fhf%o fCfo□B[DirectX fhf%o fCfo] f^fu,ìftf@fCf<,ìê——,Ä□A-¢"F'è,ðŽ!,·f}□[fN,a"Ž!,¾,è,Ä,¢ ,éfhf%o fCfo,a,É,¢,©Šm"F,μ,Ä,,¾,¾,¾,¢□B[ffBfXfvfĈfC]□A[fTfEf"f h]□A,·,æ,Ñ ["ü—í] f^fu,ì [□^Ó] ,É,à□A,»,ì'¼,ì-â'è,aŽ!,¾,è,Ä,¢,é□ê□‡,a ,è,Ü,·□B-¢"F'è,ìfhf%o fCfo,í□A□Ä□Vfo□[fWf‡f",ì DirectX ,ÆŠ@'S,ÉĈŸŠ·□«,a ,é,©,Ç,α,©,ðf}fCfNf□f\ftfg,É,æ,Ä,ÄfefXfg,¾,è,Ä,¢,Ü,¹,ñ□B
- fn□[fhfEfFfA fAfNfZf%o fĈ□[f^,ìĈ#"@□Bê"·,ìvf□fOf%œ,í□ADirectDraw®,Ü,½,í Direct3D® fn□[fhfEfFfA fAfNfZf%o fĈ□[f^,a—~—p,Ä,«,É,¢,Æ□AŽÀ□s'—"x,a"ñ□í,É'á%°,·,é,©□A,Ü,½,í,Ü,Ä,½,- "®□ì,μ,Ü,¹,ñ□B[ffBfXfvfĈfC] f^fu,ì [DirectX,ì<@"] ,Ä□ADirectDraw ,Ü,½,í Direct3D ,É "Žg—p%Ä" ,ÈfAfNfZf%o fĈ□[f^,É,μ" ,Æ•Ž!,¾,è,Ä,¢,É,¢,©Šm"F,μ,Ä,,¾,¾,¾,¢□B•Ž!,¾,è,Ä,¢ ,é□ê□‡,í□Afn□[fhfEfFfA,ìfAbfvfOfĈ□[fh,ðĈŸ"¢,μ,½,Ü,α,a,æ,¢,©,à,μ,è,Ü,¹,ñ□B
- fffo fCfX,a□Ú±,¾,è,Ä,¢,É,¢□BfWf‡fCfXfefBfbfN,È,Ç,ì"ü—íffo fCfX,a%ž"s,μ,È,¢□ê□‡□A□³,μ,- fZfbgfAfbfv,¾,è,Ä,¢,É,¢%Ä"□«,a ,è,Ü,·□B,»,ìffo fCfX,a□ADirectX □fffc□[f<,ì ["ü—í] f^fu,É•Ž!,¾,è,Ä,¢ ,é,©,Ç,α,©Šm"F,μ,Ä,,¾,¾,¾,¢□B•Ž!,¾,è,Ä,¢,É,¢□ê□‡,í□A fRf"f g f□□[f< f p f l f<,ðŽg,Á,Äffo fCfX,ðÇ%Ä,μ,Ü,·□B

DirectX fRf“f|□[f|f“fg,lfefXfg,ð□s,²

DirectX □f'fc□[f<,ðŽg,Á,Ä□AfVfXfef€É□Ú'±,³,ê,Ä,¢,éŠef,fj^,Ä,ì DirectDraw ,“,æ,Ñ Direct3D ,lfefXfg□AŠe
WAVE □o—ÍfffofCfX,Ä,ì DirectSound® ,lfefXfg□A,“,æ,ÑŠef~f...□[fWfbfN f|□[fg,Ä,ì DirectMusic™
,lfefXfg,ð□s,²,±,Æ,ª,Ä,«,Ü,·□B

[fefXfg] ,ðfNfŠfbfN,·,é,Æ□Af□fbfZ□[fW,ª\Ž!,³,ê,½Œã□Af,fj^,â□o—
ÍfffofCfX,ÄfefXfg,ªŽÄ□s,³,ê,Ü,·□BfefXfg,ª□¬Œ÷,µ,½,©,Ç,²
,©,ðŠm"F,·,é□fbfZ□[fW,ª\Ž!,³,ê,é,Ü,Ä□A,»,ê,¼,ê,lfefXfg,ðŽÄ□s,³,¹,Ü,·□B[,¢,¡]
,ðfNfŠfbfN,µ,½□ê□‡,Í□A,»,ê^È□ãfefXfg,ÍŽÄ□s,³,ê,Ü,¹,ñ□B

DirectMusic ,ì□ê□‡,Í□A'P^ê,lfefXfg,ª□s,í,ê,Ü,·□B%‰'t,³,ê,½‰¹Šy,É–â'è,ª,È,¢□ê□‡□A,Ü,½,Í□³,µ,‰
‰'t,³,ê,È,¢□ê□‡□A'P,É [OK] ,ðfNfŠfbfN,µ,Ü,·□B

□î•ñ,ð•Ü'¶,µ,Ä,à□AfefXfg,ìŒ<‰Ê,í•Ü'¶,³,ê,Ü,¹,ñ□B

Šù'è,ì"®ì,ð•ìX,·,é

$fVfXfefe\mathbb{E},\acute{E}fCf" fXfg\Box[f<^3,\acute{e},\mathbb{A},\mathbb{C},\acute{e}\acute{S}efffBfXfvf\mathbb{E}fC\ fffo fCfX,\acute{E}\acute{I},\cdot,\acute{e}\ [ffBfXfvf\mathbb{E}fC]\ f_y\Box[fW,\mathbb{A}\ [-^3\mathbb{E}\emptyset]$
,ðfNfŠfbfN,·,é,Æ□ADirectDraw ,Ü,½,Í Direct3D (—~—p%Å",É□ê□‡) ,ìfn□[fhfEfFA fAfNfZf% f\mathbb{E}\Box[f^{\wedge},\delta-^3\mathbb{E}\emptyset,\acute{E},\cdot,\acute{e},\pm,\mathbb{A},^a,\mathbb{A},\ll,\ddot{U},\cdot\Box B-^3\mathbb{E}\emptyset,\acute{E},\mu,\frac{1}{2}fAfNfZf% f\mathbb{E}\Box[f^{\wedge},\acute{I}\ DirectX\ \Box f'fc\Box[f<,\delta\Box I—
^1,\mu,\frac{1}{2}\mathbb{E}\tilde{a},\tilde{a},\gg,\grave{I},\ddot{U},\ddot{U},\mathbb{A}\Box AfAvfŠfP\Box[fVf\ddagger f",\odot,\zeta,—~—p,\cdot,\acute{e},\pm,\mathbb{A},\acute{I},\mathbb{A},\ll,\ddot{U},^1,\tilde{n}\Box BfAfNfZf% f\mathbb{E}\Box[f^{\wedge},\delta,\tilde{a},\sigma^{\wedge}\acute{e}"x—
L\mathbb{E}\emptyset,\acute{E},\cdot,\acute{e},\acute{E},\acute{I}\Box A[—L\mathbb{E}\emptyset]\ fNfŠfbfN,\mu,\ddot{U},\cdot\Box B

'□ : DirectDraw fAfNfZf% f\mathbb{E}\Box[f^{\wedge},\delta-^3\mathbb{E}\emptyset,\acute{E},\cdot,\acute{e},\mathbb{A}\Box Direct3D ,ìfAfNfZf% f\mathbb{E}\Box[f^{\wedge},\tilde{a}-^3\mathbb{E}\emptyset,\acute{E},\acute{E},\grave{e},\ddot{U},\cdot\Box B

,Ü,½□ADirectDraw ,ì'S%æ—Ê•Ž!fAvfŠfP\Box[fVf\ddagger f"Žg—pŽž,ìf,fj f^{\wedge},ìfŠftf\mathbb{E}fbfVf... f\mathbb{E}\Box[f_g,\delta\Box X,\cdot,\acute{e},\pm
,\mathbb{A},\grave{a},\mathbb{A},\ll,\ddot{U},\cdot\Box B,\pm,\grave{I}\Box X,\acute{I}\Box A"Á'è,ìfAvfŠfP\Box[fVf\ddagger f",\mathbb{A}ffBfXfvf\mathbb{E}fC,\acute{E}\acute{S}\acute{O},\cdot,\acute{e}-\acute{a}'è,\mathfrak{a}^{\circ}\Box \P,\mu,\mathbb{A},\mathbb{C}
,\mathbb{A}\Box A,\gg,\grave{I}fAvfŠfP\Box[fVf\ddagger f",\mathfrak{a}-^3\mathbb{E}\emptyset,\acute{E}fŠftf\mathbb{E}fbfVf... f\mathbb{E}\Box[f_g,\delta\Box \acute{Y}'è,\mu,\mathbb{A},\mathbb{C},\acute{e},\mathbb{A}\acute{E}\acute{Z}v,\acute{I},\acute{e},\acute{e}\Box ^3"—,\acute{E}—□—
R,\mathfrak{a},\cdot,\acute{e}\Box \acute{e}\Box \ddagger,\acute{E},\frac{3}{4},\Box s,\mathbb{A},\mathbb{A},,\frac{3}{4},^3,\mathbb{C}\Box B

► $f\acute{S}ftf\mathbb{E}fbfVf... f\mathbb{E}\Box[f_g,\delta\Box X,\cdot,\acute{e},\acute{E},\acute{I}$

1. [.,»,è,Ä,à-â'è,\mathfrak{a}\% \delta \mathbb{E}^{\wedge},\mu,\mathbb{E},\mathbb{C}\Box \acute{e}\Box \ddagger] f^{\wedge}fu,\mathbb{A}\Box A[\Box \tilde{a}\Box ',\ll] ,ðfNfŠfbfN,\mu,\ddot{U},\cdot\Box B
2. [DirectDraw fŠftf\mathbb{E}fbfVf... f\mathbb{E}\Box[f_g,\grave{I}\Box \tilde{a}\Box ',\ll] f_{_C}fAf\Box fO f\{fbfNfX,\mathbb{A}fGffBfbfg
f\{fbfNfX,\delta\Box \acute{I}'\delta,\mu\Box Af,fj f^{\wedge},\acute{E}\acute{I},\mu,\mathbb{A}—L\mathbb{E}\emptyset,\acute{E}fŠftf\mathbb{E}fbfVf... f\mathbb{E}\Box[f_g,\delta\Box \ddot{u}—\acute{I},\mu,\ddot{U},\cdot\Box B,\pm,\grave{I}f\{fbfNfX,\acute{E}\acute{I},\delta\Box \ddot{u}—
\acute{I},\cdot,\acute{e},\mathbb{A}\Box A[\Box \tilde{a}\Box ',\ll'] ,^a\acute{Z}\mathbb{C}^{\circ}\Box \acute{I},\acute{E}f\acute{I}f",\acute{E},\acute{E},\grave{e},\ddot{U},\cdot\Box B
3. [OK] ,ðfNfŠfbfN,\mu,\ddot{U},\cdot\Box B

► $f\acute{S}ftf\mathbb{E}fbfVf... f\mathbb{E}\Box[f_g,\grave{I}\Box X,\delta\acute{Z}\mathfrak{a},\grave{e}\Box \acute{A},\mu,\mathbb{A}\Box ADirectDraw$
 $fAfvfŠfP\Box[fVf\ddagger f",\mathfrak{a}^{\circ}\mathbb{A}\acute{Z}\mathbb{C},\grave{I}f\acute{S}ftf\mathbb{E}fbfVf... f\mathbb{E}\Box[f_g,\delta\Box \acute{Y}'è,\mathbb{A},\ll,\acute{e},\mathfrak{a},\mathfrak{a},\acute{E},\cdot,\acute{e},\acute{E},\acute{I}$

1. [.,»,è,Ä,à-â'è,\mathfrak{a}\% \delta \mathbb{E}^{\wedge},\mu,\mathbb{E},\mathbb{C}\Box \acute{e}\Box \ddagger] f^{\wedge}fu,\mathbb{A}\Box A[\Box \tilde{a}\Box ',\ll] ,ðfNfŠfbfN,\mu,\ddot{U},\cdot\Box B
2. [DirectDraw fŠftf\mathbb{E}fbfVf... f\mathbb{E}\Box[f_g,\grave{I}\Box \tilde{a}\Box ',\ll] f_{_C}fAf\Box fO f\{fbfNfX,\mathbb{A}\Box A[\acute{S}\grave{u}'\grave{e}'\acute{I}] ,\delta f\acute{I}f",\acute{E},\mu,\ddot{U},\cdot\Box B
3. [OK] ,ðfNfŠfbfN,\mu,\ddot{U},\cdot\Box B

fhf%oCfo,ð•œƎ³,·,é

□\□¬,É,æ,Á,Ä,Í□A DirectX® □f'fc□[f<,Á□A`È`O,lfI□[ffBfl fhf%oCfo,;æ,Ñfrffl
fhf%oCfo,ð•œƎ³,Á,«,Ü,·□Bfhf%oCfo,l"ñŒÝŠ·□«,l-â`è,l%ðƎ^,É,Í□A,±,ê,^a□Ä,à,æ,¢•û-@,Ä, ,é□ê□‡,^a, ,è,Ü,·□B
[,>,ê,Ä,à-â`è,^a%ðƎ^,µ,È,¢□ê□‡] f^fu,É [•œƎ³] f{f^f",^a√!,³,ê,Ä,¢,é□ê□‡,Í□A,±,lf{f^f",ðfNfŠfbfN,µ□ADirectX
fZfbfgfAfbfv fvf□fOf%of€,ðŽÀ□s,Ä,«,Ü,·□B

DirectX fZfbfgfAfbfv,É,Í□A[fI□[ffBfl fhf%oCfo,l•œƎ³] ,Æ [ffBfXfvfƎfC fhf%oCfo,l•œƎ³]
f{f^f",^a, ,è,Ü,·□B,¢,,è,©,lf{f^f",ðfNfŠfbfN,·,é,Æ□AfVfXfef€,É DirectX
,ðfCf"fXfg□[f<,µ,¹/₂,Æ,«,É'u,«Š·,|,ç,ê,¹/₂fhf%oCfo,^a•œƎ³,³,ê,Ü,·□Bf{f^f",^aŽg—p%Â"\
,Ä,É,¢□ê□‡,Í□A•œƎ³,·,éfhf%oCfo,Í, ,è,Ü,¹,ñ□B,»,l□ê□‡,Í□Afn□[fhfEfFfA,l□»'¢Ǝ³,É-
â,¢□‡,í,¹,Ä□Ä□V,lfhf%oCfo,ð"üŽè,µ,Ä,,³/₄,³,¢□B

DirectX fZfbfgfAfbfv,É,Í□ADirect3D fn□[fhfEfFfA fAfNfZf%oƎ□|f^,ð-
³Ǝø,É,·,éf`fFfbfNf{fbfNfX,à, ,è,Ü,·,^a□A ,±,ê,Í□ADxDiag "à,Ä,à□s,±,±,Æ,^a,Ä,«,Ü,· (Šù`è,l"©□l,ð•l□X,·,é
,ðŽQ□Æ,µ,Ä,,³/₄,³,¢)□B

□î•ñ,ð•Ô•¶,·,é

DirectX □fffc□[f<,ªŽû□W,μ,½□î•ñ,ð•Ô•¶,·,é,É,Í□A2 ,Â,}•û-@,ª, ,è,Û,·□B

· [□î•ñ,ð,·,x,Ä•Ô•¶] ,ðfNfŠfbfN,μ,Û,·□B,·,x,Ä,}fy□[fW,}□î•ñ,ª□AZw'è,μ,½□ê□Š,É, ,éŽw'è,μ,½-
¼'O,}ftf@fCf<,É•Ô•¶,³,è,Û,·□B

,±,}fc□[f<,}ŠJ"ŽÒÆü,¯fŠfŠ□[fX,ðŽg,Á,Ä,¢,éf\ftfgfEfFfAŠJ"ŽÒ,Â, ,è,Î□AZÿ,}•û-@,ð,Æ,é,±,Æ,à,Â,«,Û,·□B

· [,»,è,Â,â-â'è,ª%ðÆ^,μ,È,¢□ê□‡] f^fu,Â□A[•ñ□□] ,ðfNfŠfbfN,μ,Û,·□B[□áŠQ•ñ□□,}□î•ñ] f_fCfAf□fO
f{fbfNfX,ª•Ž,³,è,Û,·□B•K—v,È,·,x,Ä,}ff□[f^,ð"ü—Í,μ□I,},½,ç□A['—□M]
,ðfNfŠfbfN,μ,Û,·□B^êŽžffBfÆfNfgfŠ (½,Æ,¡,Î□AC:Windows\Temp) ,É Dxinfo.txt ,Æ,¢,ª-¼'O,}fefLfXfg
ftf@fCf<,ª□ì□¬,³,è□Af□f, ,ÁŠJ,©,è,Û,·□B,±,}ftf@fCf<,É,Í□A'O,}•û-
@,ÄŽû□W,³,è,½□î•ñ,}ì,Û,©,É□Af_fCfAf□fO f{fbfNfX,Ä"ü—Í,μ,½ÆÂ□□î•ñ,â,»,}¼,}□î•ñ,ªŠÛ,Û,è,Û,·□B

-â'è,ð•ñ□□,·,é

DirectX,ìfRf"fi□[fi|f"fg,Ü,½,Ífhf%fcfo,ÉŠÖŒW,^a,,é,ÆŽv,í,ê,é-â'è,^a□¶,μ,½□ê□‡,Í□Af})fCfNf□f\ftfg
fefNfjJf< fTf|□[fg,É~A—□,·,é,±,Æ,^aÄ,«,Ü,·□BfefNfjJf< fTf|□[fg,Ö,İ~A—□,İ•û-@,É,Ä,¢,Ä,Í□AMicrosoft®
Windows® fwf<fv,ì□ufgf%fu<fVf...□[fefBf"fO□v,ðŽQ□Æ,μ,Ä,,¾,³,¢□BSJ"-
ŽÖŒü,¬fŠfŠ□[fX,ì□fffc□[f<,ðŽg,Ä,Ä,¢,é\ftfgfEfFAŠJ"ŽÖ,Ä, ,ê,î□A"dŽqf□□[f<,Ä-â'è,ð•ñ□□,·,é,±
,Æ,à,Ä,«,Ü,·□B

'□ : ŽŸ,ìŽè□‡,Í□A,±,ìfc□[f<,İŠJ"ŽÖŒü,¬fŠfŠ□[fX,É,İ,Ÿ"K—p,³ê,Ü,·□B,±,ì•û-
@,Í□A,·,x,Ä,ìf†□[fU□[^aŽg,ì,é,í,¬,Ä,Í, ,è,Ü,¹,ñ□B

► “dŽqf□□[f<,Ä-â'è,ð•ñ□□,·,é,É,Í

1. [,»,ê,Ä,à-â'è,^a‰ðŒ[^],μ,È,¢□ê□‡] f^fu ,Ä□A[•ñ□□] ,ðfNfŠfbfN,μ,Ü,·□B
2. [□áŠQ•ñ□□,ì□î•ñ] f_fCfAf□fO f{fbfNfX,É•K—v,È,·,x,Ä,ì□î•ñ,ð“ü—Í,μ□A[—□M] ,ðfNfŠfbfN,μ,Ü,·□B
3. □ì□¬,³ê,½fefLfxfg ftf@fCf<,ìftf< fpfX,Æ“dŽqf□□[f<
fAfhfŒfX,ðŽ!,·f□fbfZ□[fW,^aŽ!,³ê,Ü,·□B“dŽqf□□[f< fAfhfŒfX,ð□',«,Ä,¬,Ä,¬,«,Ü,·□B[OK]
,ðfNfŠfbfN,μ,Ü,·□Bf□f, ' ,^a«N“@,³ê□ADxinfo.txt ,ì“à—e,^aŽ!,³ê,Ü,·□B
4. f□f, ' ,ì [•Ö□W] f□fjf...□[ì [,·,x,Ä'ì'ð] ,ðfNfŠfbfN,μ□A[•Ö□W] f□fjf...□[ì [fRfs□□
,ðfNfŠfbfN,μ,Ü,·□Bftf@fCf<,ì,·,x,Ä,ì“à—e,^afNfŠfbfvf{□[fh,É“ü,ê,ç,ê,Ü,·□B
5. “dŽqf□□[f< fvf□fO%fc€,Ä□V,μ,¢f□fbfZ□[fW,ð□ì□¬,μ□AfNfŠfbfvf{□[fh,ì“à—e,ðf□fbfZ□[fW-{•¶,É“\
,è•t,¬,Ü,·□B,±,ìf□fbfZ□[fW,ð□AŽè□‡ 3 ,Ä□',«,Ä,¬,½fAfhfŒfX,É'—□M,μ,Ü,·□B

