

Žg—p<—%Â,<sup>a</sup>—v<□,<sup>3</sup>ê,Ü,μ,<sup>1</sup>/<sub>2</sub>□B

[fZfLf...fŠfefB,ìĚx□□] f\_fCfAf□fO f{fbfNfX,É•Ž!,<sup>3</sup>ê,Ä,¢,éAfNfZfXĚ,<sup>a</sup>Java fAfvfĚfbfg,©,ç—  
v<□,<sup>3</sup>ê,Ü,μ,<sup>1</sup>/<sub>2</sub>□BJava fAfvfĚfbfg,É,æ,Á,Ä,Í□AZÄ□sŽž,É□Aft□[fU□[.lfRf"fsf...  
□[f^,É, ,éftf@fCf<,È,Ç,lfŠf□[fX,É Java fAfvfĚfbfg,©,çfAfNfZfX,.,é•K—v,<sup>a</sup>, ,è,Ü,·□BfRf"fsf...  
□[f^,lfŠf□[fX,ÉfAfNfZfX,.,é,É,í□A"Á•Ê,ÉfAfNfZfXĚ,<sup>a</sup>•K—v,Ä,·□BfAfNfZfXĚ,í□Aflfbfgf□□[fNŠÇ—  
□ŽÖ,É,æ,Á,ÄŠÜ,ÉŽw'è,<sup>3</sup>ê,Ä,¢,é□ê□±,<sup>a</sup>, ,è,Ü,·□BfAfNfZfX,ð<—%Â,.,é□ê□±,í□A,»,lfAfNfZfXĚ,<sup>a</sup>—  
v<□,<sup>3</sup>ê,<sup>1</sup>/<sub>2</sub>,Æ,«,Éf†□[fU□[.É'Ê'm,.,é,æ,ð,ÉŽw'è,Ä,«,Ü,·□Bf†□[fU□[.É'Ê'm,μ,Ê,¢,æ,ð,ÉŽw'è,μ,<sup>1</sup>/<sub>2</sub>□ê□±,í□A<—  
%Â,<sup>3</sup>ê,<sup>1</sup>/<sub>2</sub>fAfNfZfXĚ, ,ð',.,éfAfNfZfX,<sup>a</sup>Java fAfvfĚfbfg,©,ç—v<□,<sup>3</sup>ê,<sup>1</sup>/<sub>2</sub>□ê□±,<sup>3</sup>/<sub>4</sub>,¬'Ê'm,<sup>3</sup>ê,Ü,·□B  
,.±,ì Java fAfvfĚfbfg,ðfCf"fXfg□[f<,μ□AZÄ□s,.,é,©,Ç,ð,©,ð"»f,.,é,É,í□AJava fAfvfĚfbfg,ì□»'¢Ě<sup>3</sup>,Æ Java  
fAfvfĚfbfg,©,ç—v<□,<sup>3</sup>ê,Ä,¢,éfAfNfZfXĚ,É,Ä,¢,Ä□\•<sup>a</sup>,ÉĚŸ"¢,.,é•K—v,<sup>a</sup>, ,è,Ü,·□B,±,ê,ç,ì"\_,ðĚŸ"¢  
,μ,<sup>1</sup>/<sub>2</sub>Ě<%Ê□A,±,ì Java fAfvfĚfbfg,ìŽÄ□s,É•s^Ä,ðŠ',¶,é□ê□±,í□A[fZfLf...fŠfefB,ìĚx□□] f\_fCfAf□fO  
f{fbfNfX,ì [OK],ðfNfŠfbfN,μ□A[fZfLf...fŠfefB,ìĚx□□] f\_fCfAf□fO f{fbfNfX,ì [,¢,¢,.]  
,ðfNfŠfbfN,μ,ÄfCf"fXfg□[f<,ð'†Ž~,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,¢□B

fAfNfZfXĚ,É,Ä,¢,Ä,ì□Ü□×,í□AZŸ,ì□Ě—Ú,ì,¢,,è,©,ðfNfŠfbfN,μ□A□à—<sup>3</sup>/<sub>4</sub>,ðŽQ□Æ,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,¢□B

fNf%fcfAf"fg fXfgfĚ□[fW

fJfXf^fĚ

ŽÄ□s

ftf@fCf<fO

f}f<f`f□fffBfA

flfbfgf□□[fN fO

^ó□ü

fVfXfef€ fvf□fpfefB

fŠftfĚfNfVf†f"

fĚfWfXfgfŠ

fZfLf...fŠfefB

fVfXfef€ fXfgfŠ□[fĚ

fXfĚfbfh

f†□[fU□[ fCf"f^□[ftfFfCfX fAfNfZfX

f†□[fU□[ ftf@fCf<fO

,;Žg,¢,lfRf"fsf...□[f^,É□Ÿ'è,<sup>3</sup>ê,Ä,¢,éAfNfZfXĚ, ,ðŠm,©,ß,é•û—@,É,Ä,¢,Ä,í□AZŸ,ì "ŠÖ~A□Ě—Ú" ,ðŽQ□Æ,μ,Ä,-  
,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,¢□B

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{button ,AL("A\_IDH\_SEC\_ALERT\_VIEW\_JAVA\_CUSTOM\_SETTINGS")) ŠÖ~A□Ě—Ú

□Ý'è,ð•Ž!,Ü,½,í•□X,.,éfAfNfZfX,ìŽí—p,ª•\Ž!,³,è,Ü,·□BfAfNfZfXœ ,ì□Ý'è,ð•ì!,é,É,í□A^ê——,ÅfAfNfZfX,ìŽí—  
p,ðfNfŠfbfN,μ□A%°,ìf{fbfNfX,Å□Ý'è,ðŽw'è,μ,Ü,·□B

Žw'è,μ,½fAfNfZfX,ð<-‰Â,·,éftf@fCf<,l-¼'O,ð"ü—Í,·,é□ê□Š,Å,·□B-¼'O,ð"ü—Í,·,é,©□A,Ü,½,Í\*.exe,ì,æ,▯  
,Èf□fCf<fhfJ□[fh,ð"ü—Í,μ□A['Ç%‰Á],ðfNfŠfbfN,·,é,Æ□A%‰,lê——,É'Ç%‰Á,³,ê,Ü,·□B

Žw'è,μ,½fAfNfZfX,ǒ←%oÂ,·,éftf@fCf<,l'ê——,ª\Žl,³,ê,Ü,·□B

“ü—í,μ,½□€—ú,ð^ê——,É'Ç%Á,μ,ÄfAfNfZfX,ð<-%Á,.,é,Æ,<,ÉfNfŠfbfN,μ,Ü,·□B

'l'ð,µ,½□€–Ú,ð~ê——,©,ç□í□œ,·,é,Æ,«,«ÉfNfŠfbfN,µ,Ü,·□B

Žw'è,μ,½fAfNfZfX,ǎ←%oÂ,·,éftf@fCf<,l`ê——,©,ç□œŠO,·,éftf@fCf<,l-¼'O,đ"ü—Í,·,é□ê□Š,Å,·□B

Žw'è,μ,½fAfNfZfX,ǒ←%oÂ,μ,È,¢ftf@fCf<,îê——,ª•\Ž!,,³ê,Ü,·□B



ftf@fCf< URL fR□[fh fx□[fX,Ö,ìfAfNfZfX,ð<-%oÂ,·,é,æ,ª,É,μ,Ü,·□B

□Ý'è,ð•Ž!,Ü,½,í!□X,.,éfAfNfZfX,iŽí—p,ª•\Ž!,³ê,Ü,.□B

Žw'è,μ,½fAfNfZfX,ð<-‰Â,·,éfŒfWfXfgfŠ fL□[,ì—¼'O,ð“ü—Í,·,é□ê□Š,Â,·□B—¼'O,ð“ü—Í,μ□A[‘Ç‰Á]  
,ðfNfŠfbfN,·,é,Æ□A‰°,ìê——,É'Ç‰Á,<sup>3</sup>ê,Ü,·□B

Žw'è,μ,½fAfNfZfX,ǒ←%oÂ,·,é fÆfWfXfgfŠ fL□[,îê——,ª•\Ž!,³ê,Ü,·□B

Žw'è,μ,½fAfNfZfX,ǎ←%oÂ,·,éƒÆfWfXfgfŠ fL□[,îê——,©,ç□œŠO,·,éƒÆfWfXfgfŠ fL□[,î—¼'O,ǎ"ü—  
Í,·,é□ê□Š,Â,·□B

Žw'è,μ,½fAfNfZfX,ǒ←%oÂ,μ,È,¢fƎfWfXfgfŠ fL□[,îê——,ª•\Ž',³ê,Ü,·□B

*f* *\_f* C f A f □ f O f { f b f N f X, î □ □ ¬, ð < - % o Â, µ, Ü, · □ B

fgfbfv fÆfxf< fEfBf“fhfE,ìì□¬,ð<-%oÂ,μ,Ü,·□B



Java fAfvfÆfbfg,©,çfgfbfv fÆfxf< fEfBf“fhfE,ì□□¬,ª—v<□,³,ê,½,Æ,«,ÉÆx□□,ð•Ž!,·,é,æ,ð,É,µ,Ü,·□B

□î•ñ,ì□Ø,èŽæ,è□AƒRƒs□[□A,¨,æ,Ń"\\,è•t,¯,ÉƒRƒ"ƒsf...□[ƒ^,ìƒNƒŠƒbƒvƒƒ{□[ƒh,ðŽg,ƒ,±,Æ,ð<-‰Â,μ,Ü,·□B

*fVfXfef€ fvf□fpfefB,Éî,·,é–³□SCEÀ,îfAfNfZfX,ð←%oÂ,μ,Û,·□B*

fVfXfef€ fvf□fpfefB,ÆŠg'£Žq,ðŽw'è,μ,ÄfAfNfZfX,ð<-‰Â,Ü,½,Í<ÖŽ~,·,é,æ,ϣ,É,μ,Ü,·□B

fAfNfZfX,ǎ←%Ō,·,éŠg'£Žq,ǎ“ü—Í,·,é□é□Š,Ā,·□B

fAfNfZfX,ǎ←%oÂ,·,éfVfXfef€ fvf□fpfefB,ǎ“ü—Í,·,é□ê□Š,Å,·□B

fAfNfZfX,ǎ←-%oÂ,μ,È,¢fVfXfef€ fvf□fpfefB,ǎ“ü—Í,·,é□ê□Š,Â,·□B

,±,ìfpfufŠfbfN fp□[f~fbfVf‡f“ flfufWfFfNfg,ÉŠÖ~A•t,¯,ç,ê,Ä,¢,éf□□[f\_□[ f^fCfv,ðŽg—p%â“,É,μ,Ü,·□B



,±,ìfufufŠfbfN fp□[f~fbfVf‡f“ flfufWfFfNfg,ÉŠÖ~A•t,¯,ç,ê,Ä,¢,éf□□[f\_□[ˆÉŠO,ìf□□[f\_□[,ðŽQ□Æ,μ,Ä,¢  
,éf□□[f\_□[ f^fCfv,ðŽg—p‰Âˆ,É,μ,Ü,·□B

*f* *p* *f* *u* *f* Š *f* *b* *f* *N* *f* *V* *f* *X* *f* *e* *f* € *f* *N* *f* % *f* *X*, đ Ž *Q* □ Æ, μ, Ä, ¢, é *f* □ □ [*f* \_ □ [*f* ^ *f* *C* *f* *v*, đ Ž *g* — *p* % Â ¨, É, μ, Ü, · □ *B*

,±,ìfp□[f~fbfVf‡f" flfuWfFfNfg,ÉŠÖ~A•t,¯,ç,ê,Ä,¢,éf□□[f\_□[ f^fCfv,ðŽg—p%„Â",É,μ,Ü,·□B

,±,ìfp[f~fbfVf‡f" flfuWfFfNfg,ÉŠÖ~A•t,¯,ç,ê,Ä,¢,éf[f\_[]^ÈŠO,ìf[f\_[],ðŽQ[]Æ,μ,Ä,¢  
,éf[f\_[] f^fCfv,ðŽg—p%oÂ",É,μ,Ü,·[]B

□éƎ¾,³,ê,½fVfXfef€ fNf%oX,ǒŽQ□Æ,μ,Ä,¢,éf□□[f\_□[ f^fCfv,ǒŽg—p%oÂ",É,μ,Ü,·□B

f†□[fU□[,ªŽw'è,µ,½□é□‡,Í□AJava fAfvfŒfbfg,É,æ,éftf@fCf<,l"Ç,YŽæ,è,ð<-‰Â,µ,Û,·□B

*f*†□[*f*U□[,<sup>a</sup>žw'è,μ,½□é□‡,Í□AJava *f*A*f*v*f*Œ*f*b*f*g,É,æ,é*f*t*f*@*f*C*f*◁,ì□',«□ž,Ý,đ◁-%Œ,μ,Ü,·□B

Java fAfvfŒfbfg,ÅŽg—p,Å,«,éffBfXfN—î~æ,îfTfCfY,ðŽw'è,μ,Ü,·□B



f†□[fU□[<sup>a</sup>,.,x,Ä,ìfCf“f^□[flfbfg ft@fCf<,Éî,μ,ĂŽw'è,μ,½ffBfXfN—î^æ,ì□§ÆÀ,<sup>a</sup> Java fAfvfÆfbfg,É“K—  
p,<sup>3</sup>,ê,È,¢,æ,ɑ,É,μ,Ü,·□B

ˆÚ“@ftf@fCf<,ì□ì□¬,ǎ<-‰Â,μ,Ü,·□BˆÚ“@ftf@fCf<,í□Af†□[fU□[.ìfvf□ftf@fCf<“à,É□ì□¬,<sup>3</sup>ê,Ü,·□B, ,é†□[fU  
□[,<sup>a</sup>f□fOfIf“,μ,<sup>1</sup>/<sub>2</sub>fRf“fsf...□[f^,É,í□A,»,ì†□[fU□[.ìˆÚ“@ftf@fCf<,<sup>a</sup>•Ü‘¶,<sup>3</sup>ê,Ü,·□B

[ŽÄ□s,ð<-‰oÂ] f{fbfNfX,ÅŽw'è,μ,½fAfvfŠfP□[fVf‡f“,ðŽÄ□s,Å,«,é,æ,ƚ,É,μ,Ü,·□B

ŽÀs,Å,«,é,æ,ϱ,É,·,é/vf fOf%f€,ðŽw'è,·,ééŠ,Å,·B

ŽÀs,Å,«,€,æ,ª,É,·,évf□fOf%ƒ€,ðŽw'è,·,é□ê□Š,Å,·□B

*fXf*Ɛ*fbfh flfu**fWfFfNfg*,É<sup>ˆ</sup>*ı*,<sup>ˆ</sup>*é*−<sup>3</sup>§ƐÀ,*ı**fA**fNfZfX*,*ö*←%*Â*,*μ*,*Ü*,<sup>ˆ</sup>□*B*

*fXf*Ⓔ*f**b**f**h* *f**O**f*<□[*f**v*,É<sup>î</sup>,.,é<sup>−3</sup>□§ⒺÀ,ì*f**A**f**N**Z**f**X*,ǎ<−%oÂ,μ,Ü,·□*B*

•W□€"ü—ÍfXfgfŠ□[f€,ì□Ý'è,ðfp□[f~fbfVf‡f" flfuWfFfNfg,É,æ,Á,Ä<-‰Â,·,é,æ,ª,É,μ,Ü,· □B



•W□€□o—ÍfXfgfŠ□[f€,\□Ý'è,ðfp□[f~fbfVf‡f" flfufWfFfNfg,É,æ,Á,Ä<-%oÂ,.,é,æ,α,É,μ,Ü,·□B

fGf%□[□o—ÍfXfgfŠ□[f€,ì□Ý'è,ðfp□[f~fbfVf‡f“ flfufWfFfNfg,É,æ,Á,Ä<-‰Â,.,é,æ,ɑ,É,μ,Ü,·□B

PrintingPermission ,đŠ—L,·,é/Nf%fX,É^óüfT[f/fX,iŽg—p,đ<-%Â,μ,Ü,·B

Microsoft® DirectX® API ,İŠg'£<@™\,Ö,İfAfNfZfX,đ<-‰Â,µ,Û,·□B

JDK ,lZfLf...fŠfefB fNf%fx java.lang.security ,Ö,lAfNfZfX,ðç-%Â,μ,Ü,·□B

□Ý'è,ð•Ž!,Ü,½,í•í□X,.,é'Ê□M,ìŽí—P,a•\Ž!,³ê,Ü,·□BŽŸ,ì•\,í□A'Ê□M,ìŽí—P,Æ□Ý'è,îê——,Ä,·□B

□Ý'è

'Ê□M,ìŽí—P

“Á'è,ìfzfXfg,Ö,ì'Ê□M,ÉŠÖ,.,é^ê”Ê“l,È□Ý'è

□Ú'±

“Á'è,ìfCf“f^□[ftfFfCfX,âf|□[fg,Éî,.,é□Ú'±

f of Cf “fh

“Á'è,ìf}f<f`fLfffXfg fOf<□[fv,Ö,ìŽQ‰Á

f}f<f`fLfffXfg

ŒÊ•Ê,ìf|□[fg,Ê□Ý'è,³ê,Ä,č,é<K'¥,É—D□æ,.,é□Ý'è

fOf□□[f of < f |□[fg

Žw'è,μ,½'Ê□M,ð<-‰Â,·,éƒzƒXƒg,Æƒ|□[ƒg,Ì-¼'O,ð"ü—Í,·,é□ê□Š,Â,·□B-¼'O,ð"ü—Í,μ□A[°Ç‰Á]  
,ðƒNƒŠƒbƒN,·,é,Æ□A‰°,Ì^ê——,É'Ç‰Á,<sup>3</sup>ê,Ü,·□B

Žw'è,μ,½'Ê□M,ð<-‰Â,·,é/zfXfg,Æf|□[fg,î^ê——,ª•\Ž!,³,ê,Ü,·□B



Žw'è,μ,½'Ê□M,đ<-%oÂ,·,éƒzfXfg,Æf|□[fg,î^ê——,©,ç□œŠO,·,éƒzfXfg,Æf|□[fg,î–¼'O,đ"ü—Í,·,é□ê□Š,Â,·□B

Žw'è,μ,½'Ê□M,ð<-%oÂ,μ,È,¢fzfXfg,Æf|□[fg,îê——,ª\Ž!,³ê,Ü,·□B

File URL ,ÉÚ±,·é,æ,ϣ,É,μ,Û,·B

File URL ,Å,È,¢ URL ,É□Ú±,·,é,æ,ø,É,μ,Ü,·□B

fJfXf^f€€ŒÀ,ì-¼'O,Æff□[f^,ð“ü—Í,·,é□ê□Š,Å,·□B-¼'O,Æff□[f^,ð“ü—Í,μ□A['Ç%Á]  
,ðfNfŠfbfN,·,é,Æ□A%°,ìê——,É'Ç%Á,<sup>3</sup>ê,Ü,·□B

$fJfXf^{\wedge}f\in\mathbb{C}\in\mathbb{A},\dot{\mathbf{l}}-\frac{1}{4}\text{'O},\mathbb{E}ff\Box[f^{\wedge},\dot{\mathbf{i}}^{\wedge}\hat{\mathbf{e}}\text{---},^{\mathfrak{a}}\backslash\check{\mathbf{Z}}\text{'},^3\hat{\mathbf{e}},\ddot{\mathbf{U}},\cdot\Box\mathbf{B}$

fZfLf...fŠfefB fÆfxf<ð□, (□Å,â^À'S) ,É□Ý'è,·,é,Æ,«ÉfNfŠfbfN,μ,Ü,·□B

fZfLf...fŠfefB fÆfxf<đ'†,É□Ý'è,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B



**fJfXf^f€□Ý'è,ð•\Ž!,·,é,É,Í**

Java ,l fAfNfZfX€ ,í□Aflfbfgf□□[fNŠÇ—□ŽÒ,<sup>a</sup> Internet Explorer ŠÇ—□ŽÒfLfbfg (IEAK)  
,ðŽg,Á,Ä□Ý'è,μ,Ü,·□B'Êí□Aflfbfgf□□[fNŠÇ—□ŽÒ,<sup>a</sup>Žw'è,μ,½□Ý'è,ðf†□[fU□[<sup>a</sup>•İ,!,é,±,Æ,Í,Á,«,Ü,<sup>1</sup>,ñ,<sup>a</sup>□A•\Ž!,·,é,±  
,Æ,Í,Á,«,Ü,·□BŽŸ,İžè□‡,Á□Ý'è,ð•\Ž!,μ,Ü,·□B

- 1 f f f X f N f g f b f v , l [ f C f “ f ^ □ [ f l f b f g ] f A f C f R f “ , ð f } f E f X , İ % E f { f ^ f “ , Å f N f Š f b f N , μ □ A [ f v f □ f p f e f B ] , ð f N f Š f b f N , μ , Ü , · □ B
- 2 [ f Z f L f ... f Š f e f B ] f ^ f u , ð f N f Š f b f N , μ □ A [ f J f X f ^ f € ] , ð f N f Š f b f N , μ , Ü , · □ B Ž Ÿ , É □ A [ □ Ý ' è ] , ð f N f Š f b f N , μ , Ü , · □ B
- 3 ^ è — , Å [ Java ] , İ [ f J f X f ^ f € ] , ð f N f Š f b f N , μ , Ü , · □ B
- 4 f \_ f C f A f □ f O f { f b f N f X , É • \ Ž ! , <sup>3</sup> è , <sup>1</sup> / 2 [ Java f J f X f ^ f € □ Ý ' è ] , ð f N f Š f b f N , μ , Ü , · □ B

'□

- [ f J f X f ^ f € , f A f N f Z f X € ] f \_ f C f A f □ f O f { f b f N f X , İ % ° [ , É [ • Ò □ W ] f { f ^ f “ , <sup>a</sup>• \ Ž ! , <sup>3</sup> è , Ä , ¢ , é □ ê □ ‡ , Í □ A □ Ý ' è , ð • İ □ X , Å , « , Ü , · □ B
- [ • Ò □ W ] f { f ^ f “ , <sup>a</sup>• \ Ž ! , <sup>3</sup> è , Ê , ¢ □ ê □ ‡ , Í □ A f † □ [ f U □ [ <sup>a</sup>□Ý'è,ð•İ,!,é,±,Æ,Í,Á,«,Ü,<sup>1</sup>,ñ□B□Ý'è,ð•İ,!,é•K—  
v,<sup>a</sup> , é □ ê □ ‡ , Í □ A f l f b f g f □ □ [ f N Š Ç — □ Ž Ò , É , “ - â , ¢ □ ‡ , İ , <sup>1</sup> , , <sup>3</sup> / 4 , <sup>3</sup> , ¢ □ B

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{button ,AL("A\_IDH\_SEC\_ALERT\_MORE\_INFO")) ŠÖ~A□€—Ú

,±,ìf\_CfAf□fO f{fbfNfX,ð•Â,¶□A•î□X“à—e,ð•Û‘¶,μ,Û,·□B

•İ□X"â—e,ð•Û‘ŋ,¹,,É□A,±,İf\_CfAf□fO f{fbfNfX,ð•Â,ŋ,Û,·□B

[f]□[f“ fGffBf^] f\_fCfAf□fO f{fbfNfX

fAfNfZfXŒ ,Í□A[-¢□□-¼]□A[<-‰Â□İ,Ý]□A,Ü,½,Í [fNfGfŠ□[<“”Ŭ] ,ÉŠ,,,è“-,Ä,é,±,Æ,<sup>a</sup>,Å,«,Ü,·□B[-¢□□-¼] ,Ü,½,Í  
[<-‰Â□İ,Ý] ,ÉŠ,,,è“-,Ä,Ä,¢,È,¢fAfNfZfXŒ ,Í□A,·,x,Ä [fNfGfŠ□[<“”Ŭ] ,ÉŠ,,,è“-,Ä,ç,ê,Ü,·□B

[fNfGfŠ□[<“”Ŭ] ,ÉŠ,,,è“-,Ä,½fAfNfZfXŒ ,İ,ϱ,¿□A“Á’è,İfAfNfZfXŒ ,ð [fNfGfŠ□□] ,ÉŠ,,,è“-  
Ä,é,Æ□AŽc,è,İfAfNfZfXŒ ,<sup>a</sup> [<“”Ŭ] ,ÉŠ,,,è“-,Ä,ç,ê,Ü,·□B<t,É□A“Á’è,İfAfNfZfXŒ ,ð [<“”Ŭ] ,ÉŠ,,,è“-  
Ä,é,Æ□AŽc,è,İfAfNfZfXŒ ,<sup>a</sup> [fNfGfŠ□□] ,ÉŠ,,,è“-,Ä,ç,ê,Ü,·□B

,·,x,Ä,İfAfNfZfXŒ ,ð<-‰Â,·,é,É,Í□A[Š®‘S,ÈÊ ŒÀ,ð<-‰Â,·,é] f`fFfbfN

f{fbfNfX,ðfIf“,É,·,é,Æ□AÎ‰Ž,·,éf\_fCfAf□fO f{fbfNfX,Å,·,x,Ä,İfAfNfZfXŒ ,ð<-‰Â,·,é,æ,ϱ,ÉŽw’è,·,é•K—  
v,Í, ,è,Ü,¹,ñ□B

[fJfXf^f€ fAfNfZfXœ ] f\_fCfAf□fO f{fbfNfX

,±,l̇f\_fCfAf□fO f{fbfNfX,É,í□Aflfbfgf□□[fNŠÇ—□ŽÒ,É,æ,Á,ÄŽw'è,<sup>3</sup>ê,Ä,¢,é Java  
,l̇fJfXf^f€□Y'è,<sup>a</sup>•Ž!,<sup>3</sup>ê,Ü,·□B

Java fAfvfœfbfg,É,æ,Á,Ä,í□AŽÀ□sŽž,É□Af†□[fU□[,l̇fRf"fsf...□[f^,É, ,étf@fCf<,É,Ç,l̇fŠf\□[fX,É Java  
fAfvfœfbfg,©,çfAfNfZfX,·,é•K—v,<sup>a</sup> ,è,Ü,·□BfRf"fsf...

□[f^,l̇fŠf\□[fX,ÉfAfNfZfX,·,é,É,í□A"Á•Ê,ÈfAfNfZfXœ ,<sup>a</sup>•K—v,Ä,·□BfAfNfZfXœ ,í□Aflfbfgf□□[fNŠÇ—  
□ŽÒ,É,æ,Á,ÄŠù,ÉŽw'è,<sup>3</sup>ê,Ä,¢,é□ê□‡,<sup>a</sup> ,è,Ü,·□BfAfNfZfX,ð<—%Ä,·,é□ê□‡,í□A,»,l̇fAfNfZfXœ ,<sup>a</sup>—  
v<□,<sup>3</sup>ê,<sup>1</sup>/<sub>2</sub>,Æ,«,Éf†□[fU□[,É'Ê'm,·,é,æ,ρ,ÉŽw'è,Ä,«,Ü,·□Bf†□[fU□[,É'Ê'm,μ,È,¢,æ,ρ,ÉŽw'è,μ,<sup>1</sup>/<sub>2</sub>□ê□‡,í□A<—  
%Ä,<sup>3</sup>ê,<sup>1</sup>/<sub>2</sub>fAfNfZfXœ ,ð' ,l̇,éfAfNfZfX,<sup>a</sup> Java fAfvfœfbfg,©,ç—v<□,<sup>3</sup>ê,<sup>1</sup>/<sub>2</sub>□ê□‡,<sup>3</sup>/<sub>4</sub>,¬É'm,<sup>3</sup>ê,Ü,·□B

,±,l̇f\_fCfAf□fO f{fbfNfX,É,í 3 ,Ä,l̇f^fu,<sup>a</sup> ,è□A,»,è,<sup>1</sup>/<sub>4</sub>ê,l̇f^fu,ífAfNfZfXœ ,l̇g,Y□‡,í,<sup>1</sup>É'î%ž,μ,Ä,¢,Ü,·□B  
f^fu œ œÀ

—¢□□—<sup>1</sup>/<sub>4</sub> □□—<sup>1</sup>/<sub>4</sub>,l̇,È,¢f\_fEf"f□□[fh fRf"fef"fç,ÉŠ,,è"—,Ä,ç,ê,Ä,¢,éfAfNfZfXœ

œx□□,È,μ,Ä<—%Ä□i,Y f†□[fU□[,ÉŠm"F,<sup>1</sup>,,ÉŠ,,è"—,Ä,ç,ê,éfAfNfZfXœ

ç'") f†□[fU□[,ÉŠm"F,μ,Ä,©,çŠ,,è"—,Ä,ç,ê,é,©□A,Ü,<sup>1</sup>/<sub>2</sub>,í□i,É<Öž~,<sup>3</sup>ê,Ä,¢,éfAfNfZfXœ

Šef^fu,É,í□AŽY,l̇,æ,ρ,ÈfAfNfZfXœ ,<sup>a</sup>Š,,è"—,Ä,ç,ê,Ä,¢,Ü,·□B

fNf%oCfAf"fçfXfgfœ□[fW

fJfXf^f€

ŽÀ□s

ftf@fCf< /O

f{f<f`f□fffBfA

flfbfgf□□[fN /O

^ó□ü

fVfXfef€ fvf□fpfefB

fŠftfœfNfVf‡f"

fœfWfXfgfŠ

fZfLf...fŠfefB

fVfXfef€ fXfgfŠ□[f€

fXfœfbfh

f†□[fU□[ fCf"f^□[ftfFfCfX fAfNfZfX

f†□[fU□[ ftf@fCf< /O

[ftf@fCf< llo] f^fu

,±,lf^fu,Å,íA fA fNfZfXÆ ,ð<-%Å,.,éftf@fCf<,ðŽw'è,μ,Ü,·B•W□€ ,ìY'è,Å,íA,.,x,Ä,lf tf@fCf< ,<sup>a</sup>□œŠO,<sup>3</sup>,ê,Ä,¢  
,é,½,ßA□œŠO,.,éftf@fCf<,ðŽw'è,·é•K—v,Í, ,è,Ü,<sup>1</sup>,ñB,½,¾,μA<—  
%Å,.,éftf@fCf<,ìW□‡,É□œŠO,μ,½,¢ftf@fCf< ,<sup>a</sup>ŠÜ,Ü,è,é□ê□‡,íA□œŠO,.,éftf@fCf<,ðŽw'è,μ,Ü,·B,½,Æ,!,î  
□Af}}f<f`f□ffBfA ftf@fCf< (\*.avi) ,ð<-%Å,.,éftf@fCf<,É'Ç%Å,μ,½□ê□‡,íA“Á'è,lf}}f<f`f□ffBfA ftf@fCf<  
(MyFile.avi ,È,Ç) ,ð□œŠO,.,é,±,Æ,<sup>a</sup>,Å,« ,Ü,·B[“Ç,ÝŽæ,è]A[□',«□Ž,Ý]A,“,æ,Ñ [□í□œ] ,ì 3 Ží—p,lfA fNfZfX,É,Ä,¢  
,Ä^Ü,È,é fA fNfZfXÆ ,ðŽw'è,.,é,±,Æ,<sup>a</sup>,Å,« ,Ü,·B

'□

▪ ,±,lf\_CfAf□fO f{fbfNfX,É,íA□€—Ú,<sup>2</sup>,Æ,Éfwf<fv,<sup>a</sup> ,è,Ü,·Bfwf<fv,ð•Ž!,.,é,É,íA—Ú“,ì□€—  
Ú,ð'I'ð,.,é,©A,Ü,½,lfNfŠfbfN,μAF1 fL□[,ð%Y,μ,Ä,,¾,<sup>3</sup>,¢□B

[fŒfWfXfgfŠ] f^fu

,±,ìf^fu,Å,íA fAfNfZfXŒ ,ð<-‰Å,.,éŒfWfXfgfŠ fL[ ,ðŽw'è,μ,Ü,·B•W□€ ,ìŸ'è,Å,íA,.,x,Ä,ìfŒfWfXfgfŠ  
fL[ ,<sup>a</sup>œŠO,<sup>3</sup>ê,Ä,¢,é,½,ßA□œŠO,.,éŒfWfXfgfŠ fL[ ,ðŽw'è,.,é•K—v,í, ,è,Ü,<sup>1</sup>ñB,½,¾,μA<—  
‰Å,.,éŒfWfXfgfŠ fL[ ,ì‰°,ìŠK'w,ÉœŠO,μ,½,¢ŒfWfXfgfŠ  
fL[ ,<sup>a</sup>ŠÜ,Ü,ê,éêê±,íA□œŠO,.,éŒfWfXfgfŠ fL[ ,ðŽw'è,μ,Ü,·B,½,Æ,!,íAHKEY\_CURRENT\_USER ,ð<—  
‰Å,.,éŒfWfXfgfŠ fL[ ,É'Ç‰Å,μ,½êê±,íAHKEY\_CURRENT\_USER ,ì‰°,ìŠK'w,É, ,é  
HKEY\_CURRENT\_USER\NETWORK ,ðœŠO,.,é,±  
,Æ,<sup>a</sup>Å,« ,Ü,·B["Ç,ÝŽæ,è]A[□ ,«ž,Ý]A[□íœ]A[□ì□~]A," ,æ,Ñ [ŠJ,] ,ì 5 Ží—p,ìfAfNfZfX,É,Ä,¢  
,Ä^Ü,È,éAfNfZfXŒ ,ðŽw'è,.,é,±,Æ,<sup>a</sup>Å,« ,Ü,·B  
'□  
▪ ,±,ìf\_CfAf□fO f{fbfNfX,É,íA□€—Ú,<sup>2</sup>,Æ,ÉfWf<fv,<sup>a</sup> ,è,Ü,·BfWf<fv,ð•Ž!,.,é,É,íA—Ú",ì□€—  
Ú,ð'ð,.,é,©A,Ü,½,ìfNfŠfbfN,μAF1 fL[ ,ð‰Ÿ,μ,Ä,,¾,<sup>3</sup>,¢B

[UI] f^fu

,±

.,l f^fu,Å,Í□Af†□[fU□[ fCf" f^□[ftfFfCfX,ÉŠÖƐW,,é fAfNfZfXƐ ,ðŽw`è,μ,Ü,·□B,½,Æ,¡,Î□AfEfBf"fhfE,âf\_f  
CfAf□fO f{fbfNfX,Ì□ì□-,ð<-‰Â,μ,½,è□A.ini ft f@fCf<,È,Ç,lfVfXfef€ fv f□fpfefB,Ö,lfAfNfZfX,ð<-  
‰Â,μ,½,è□A-â,¢□‡,í,¹,ÉŽg,□î•ñ,ì□\`¢,ðƐ^`è,·,é,½,ß,É□î•ñ,ðf`fFfbfN,·,é,±,Æ,ð<-  
‰Â,μ,½,è,Å,«,Ü,·□BŽw`è,μ,½fAfNfZfXƐ ,Í□A[fJfXf^f€ fAfNfZfXƐ ] f\_fCfAf□fO  
f{fbfNfX,É•Ž!,³,ê,Ü,·□B,Ü,½□A<-‰Â,³,ê,Ä,¢,é fAfNfZfXƐ ,ð´,¡,é fAfNfZfX,a Java fAfvfƐfbfg,©,ç—  
v<,³,ê,½□ê□‡,É□A[fZfLf...fŠfefB,ÌƐx□□] f\_fCfAf□fO f{fbfNfX,É•Ž!,³,ê,Ü,·□B

'□

▪ ,±,lf\_fCfAf□fO f{fbfNfX,É,Í□A□€-Ú,²,Æ,Éfwf<fv,a, ,è,Ü,·□Bfwf<fv,ð•Ž!,·,é,É,Í□A-Ú"l,Ì□€-  
Ú,ð'ð,·,é,©□A,Ü,½,lfNfŠfbfN,μ□AF1 fL□[,ð‰Ÿ,μ,Ä,,¾,³,¢□B



[,»,ì¼] f^fu

,±,ìf^fu,Å,íAftf@fCf<,ì"Ç,ÝŽæ,èA□',«□ž,Ý□A•Ů'¶□Afvf□fOf%of€  
,ìŽÀ□s□AfXfÆfbfh,ì□ì□¬,È,Ç,É'ì,.,éfAfNfZfXÆ ,ðŽw'è,μ,Ů,·□BŽw'è,μ,½fAfNfZfXÆ ,íA[fJfXf^f€  
fAfNfZfXÆ ] f\_fCfAf□fO f{fbfNfX,É•Ž!,³,è,Ů,·□B,Ů,½□A<-%oÂ,³,è,Ä,¢,éfAfNfZfXÆ ,ð",ì,éfAfNfZfX,a  
Java fAfvfÆfbfg,©,ç—v<□,³,è,½□ê□‡,É□A[fZfLf...fŠfefB,ìÆx□□] f\_fCfAf□fO f{fbfNfX,É•Ž!,³,è,Ů,·□B  
'□  
▪ ,±,ìf\_fCfAf□fO f{fbfNfX,É,íA□€–Ú,²,Æ,Éfwf<fv,a, ,è,Ů,·□Bfwf<fv,ð•Ž!,.,é,É,íA–Ú"ì,ì□€–  
Ú,ð"ì'ð,.,é,©□A,Ů,½,ìfNfŠfbfN,μ□AF1 fL□[,ð%Ÿ,μ,Ä,,¾,³,¢□B

[f l f b f g f [f N l / O] f ^ f u

, ±, ì f ^ f u, Å, í A < - % Å, ., é U ±, ì Ž í — p, Æ A U ±, ð < - % Å, ., é f z f X f g, Æ f | [f g, ð Ž w' è, μ, Ü, . B • W €  
, ì Y' è, Å, í A, ., x, Å, ì f z f X f g, Æ f | [f g, <sup>a</sup> œ Š O, <sup>3</sup>, è, Å, ¢, é, ½, ß A œ Š O, ., é € — Ú, ð Ž w' è, ., é • K — v, í, , è, Ü, <sup>1</sup>, ñ B, ½, ¾, μ A <  
- % Å, μ, ½ € — Ú, ì W ±, É œ Š O, μ, ½, ¢ € — Ú, <sup>a</sup> Š Ü, Ü, è, é ê ±, í A œ Š O, ., é € —  
Ú, ð Ž w' è, μ, Ü, . B [U ±] A [f o f C f “ f h] A [f } f < f ` f L f f f X f g] A, “, æ, Ñ [f O f [f o f < f | [f g], ì 4 Ž í — p, ì U ±, É, Å, ¢  
, Ä` Ü, È, é f A f N f Z f X € , ð Ž w' è, ., é, ±, Æ, <sup>a</sup>, Å, «, Ü, . B

'

▪ , ±, ì f \_ f C f A f f O f { f b f N f X, É, í A € — Ú, <sup>2</sup>, Æ, É f w f < f v, <sup>a</sup>, , è, Ü, . B f w f < f v, ð • Ž †, ., é, É, í A — Ú “ l, ì € —  
Ú, ð “ ð, ., é, © A, Ü, ½, ì f N f Š f b f N, μ A F 1 f L [ð % Ÿ, μ, Ä, , ¾, <sup>3</sup>, ¢ B

[fJfXf^f€] f^fu

,±,ìf^fu,Å,Í□A→¼'O,âf□[f^ f^fCfv,ÅfJfXf^f€ fAfNfZfXƐ ,ì□Ý'è,ðŽw'è,μ,Ü,·□B

'□

▪ ,±,ìf\_fCfAf□fO f{fbfNfX,É,Í□A□€–Ú,²,Æ,Éfwf<fv,ª, ,è,Ü,·□Bfwf<fv,ð•Ž!,·,é,É,Í□A–Ú“l,ì□€–Ú,ð'!ð,·,é,©□A,Ü,½,ífNfŠfbfN,μ□AF1 fL□[,ð‰Ÿ,μ,Ä,,¾,³,¢□B

ftf@fCf<,Ö,lfAfNfZfX,ì—v<□□A,Ü,½,Íftf@fCf<,Ö,lfAfNfZfX,Éî,.,éfAfNfZfX☒ □B

*f l f b f g f* □ □ [*f N* ' € □ ì , â *f l f b f g f* □ □ [*f N* Š Ö ~ A , ì ^ — □ , ì — v < □ □ A , Ü , ½ , í , ± , ê , ç , ì ' € □ ì , É ' í , · , é *f A f N f Z f X* € □ B

*fXf*⊆*f**b**f**h*,*âfXf*⊆*f**b**f**h* *fOf*<□[*f**v*,*ð*□*ï*□¬,μ,*½*,*è*□*A*'*€*□*ì*,μ,*½*,*è*,*Å*,«,*é*,*æ*,*Ɑ*,*É*,*·*,*é**fA**fN**fZ**fX*⊆ □*B*

*fOf*□□[*fof*< *fVfXfef*€ *fvf*□*pfef*B,Ö,*fAfNfZfX*,â'€□*ì*,*ì*—*v*<□□*A*,Ü,*½*,*í*,*±*,*ê*,*ç*,*ì*'€□*ì*,É<sup>î</sup>,·,é*fAfNfZfX*œ □B

, ù, ©, ì f A f v f Š f P [ f V f ‡ f “, đ Ž À □ s, ·, é — v < □ □ A, Ü, ½, Í, ù, ©, ì f A f v f Š f P [ f V f ‡ f “, đ Ž À □ s, Å, «, é, æ, ¢, É, ·, é f A f N f Z f X Ğ □  
B



fŠftfÆfNfVf‡f“,ì'€□ì,ðŽÀ□s,·,é—v<□□A,Ü,½,ífŠftfÆfNfVf‡f“ API  
,ðŽg,Á,Ä“Á'è,ìfNf%ofX,ìf□f“fo,ÉfAfNfZfX,Ä,«,é,æ,ð,É,·,éfAfNfZfXÆ □B

^óü API ,ÉfAfNfZfX,Å,«,é,æ,ª,É,·,éfAfNfZfXœ □B

*f*Ⓔ*f*W*f*X*f*g*f*Š *f*L□[,É*f*A*f*N*f*Z*f*X,·,é—v<□□A,Ü,½,Í*f*Ⓔ*f*W*f*X*f*g*f*Š,É*f*A*f*N*f*Z*f*X,Å,«,é,æ,Ɔ,É,·,é*f*A*f*N*f*Z*f*XⒺ □B

JDK fZfLf...fŠfefB fNf%ofX **java.lang.security** ,ÉfAfNfZfX,Å,«é,æ,ð,É,·,éfAfNfZfXŒ □B

ˆêŽž"l,È□î•ñ,ð•Ô'¶,·,é,½,ß,ÉŽg,□Å'å 1MB ,lˆêŽž"l,È—lˆæ,ð□A□□—¼□İ,YfRf“fef“fc,l,½,ß,É□ì□¬,Å,«,é,æ,□  
,É,·,éAfNfZfXŒ □BJava fAfvfŒfbfg,Í□Af†□[fU□[.lfn□[fh  
ffBfXfN,É, ,é,Ü,©,lftf@fCf<,É'Î,·,é“Ç,YŽæ,è,â□',«□Ž,Ý,Í<-%Å,³,ê,Ü,¹,ñ□B□□—¼□İ,Y,l Java  
fAfvfŒfbfg,Í□AŽ©•ª,Å□ì□¬,μ,½ˆêŽž"l,È—lˆæ,¾,¬,ÉfAfNfZfX,Å,«,Ü,·□B,±,lŒ ŒÀ,ð—  
^,l,é,Æ□A'†fŒxf<,lfZfLf...fŠfefB,É,È,è,Ü,·□B

*f*†□[*f*U□[ *f*C*f*"*f*^□[*f*t*f*F*f*C*f*X API ,ìŠg'£<@"\,ǎŽg—p,·,é—v<□□A,Û,½,Í AWT ,ìŠg'£<@"\,ì^ê•",ǎŽg—p,Å,«,é,æ,▯  
,É,·,é*f*A*f*N*f*Z*f*X£ □B

java.lang.System.in□Ajava.lang.System.out□A,“,æ,Ń java.lang.System.err ,ì 3 ,Â,ìfVfXfef€ fXfgfŠ□[f€  
,ì'l,ð•ï□X,Å,«é,æ,ɑ,É,.,éfAfNfZfXŒ □B

*f*†□[*f*U□[,İŠm"Ƒ,đ•K—*v*,Æ,·,é"ü□o—í'€□ì,ì—*v*◁□□A,Ü,½,í,±,ê,ç,ì'€□ì,Éí,·,é*f*A*f*N*f*Z*f*XƐ □B



Šg'£f}f<f`□ffBfA<@"\,ǒŽg—p,Å,«,é,æ,Ɑ,É,·,éfAfNfZfXŒ □B

$fJfXf^f\epsilon'\epsilon\Box i,\delta\Box s,\mathfrak{a}\text{---}v\ll\Box\Box A,\ddot{U},\frac{1}{2},\acute{f}JfXf^f\epsilon'\epsilon\Box i,\acute{E}'\acute{I},\cdot,\acute{e}fAfNfZfX\mathfrak{E}\Box B$

