

Žg—p<-‰oĀ,ª—v<□,³,è,Û,μ,½□B

[fzfLf...fŠfefB,ìCex□□] f_fCfAf□fO f{fbfNfX,É•\Ž,³,è,Ā,ç,éfAfNfZfXCE ,ª Java fAfvfCEfbfg,©,ç—
v<□,³,è,Û,μ,½□B]Java fAfvfCEfbfg,É,æ,Ā,Ā,í□AŽĀ□sŽž,É□Aft□fU□□,ìfRf“fsf...□f^,É, ,éftf@fCf<,È,ç,ìfŠfĀ
□[fX,É Java fAfvfCEfbfg,©,çfAfNfZfX,·,é•K—v,ª, ,è,Û,·□BfRf“fsf...□f^,ìfŠfĀ
□[fX,ÉfAfNfZfX,·,é,É,í□A“Ā•Ē,ÈfAfNfZfXCE ,ª•K—v,Ā,·□BfAfNfZfXCE ,í□Afìfbfgf□□fNŠÇ—
□ŽO,É,æ,Ā,ĀŠù,ÉŽw'è,³,è,Ā,ç,é□è□#,ª, ,è,Û,·□BfAfNfZfX,ð<-‰oĀ,·,é□è□#,í□A,»],ìfAfNfZfXCE ,ª—
v<□,³,è,½,Æ,«,,Éft□fU□□,É'É'm,·,é,æ,κ,ÉŽw'è,Ā,«,,Û,·□Bft□fU□□,É'É'm,μ,È,ç,æ,κ,ÉŽw'è,μ,½□è□#,í□A<-
‰oĀ,³,è,½fAfNfZfXCE ,ð' ,ì,éfAfNfZfX,ª Java fAfvfCEfbfg,©,ç—v<□,³,è,½□è□#,¾,·'É'm,³,è,Û,·□B
,±,ì Java fAfvfCEfbfg,ðfCf“fXfg□f<,μ□AŽĀ□s,·,é,©,ç,κ,©,ð”»'f,·,é,É,í□A]Java fAfvfCEfbfg,ì□»'çCE³,Æ Java
fAfvfCEfbfg,©,ç—v<□,³,è,Ā,ç,éfAfNfZfXCE ,É,Ā,ç,Ā□\•ª,ÉCEŸ“ç,·,é•K—v,ª, ,è,Û,·□B,±,è,ç,ì“_ðCEŸ“ç
,μ,½CE<‰oĒ□A,±,ì Java fAfvfCEfbfg,ìŽĀ□s,É•s^Ā,ðŠ' ,ì,é□è□#,í□A[fzfLf...fŠfefB,ìCex□□] f_fCfAf□fO
f{fbfNfX,ì [OK] ,ðfNfŠfbfN,μ□A[fzfLf...fŠfefB,ìCex□□] f_fCfAf□fO f{fbfNfX,ì [ç,ç,ì]
,ðfNfŠfbfN,μ,ĀfCf“fXfg□f<,ð'tŽ~,μ,Ā,,¾,³,ç□B

fAfNfZfXCE ,É,Ā,ç,Ā,ì□U□x,í□AŽŸ,ì□€-Ú,ì,ç,·,è,©,ðfNfŠfbfN,μ□A□à-¾,ðŽQ□Æ,μ,Ā,,¾,³,ç□B

fNf‰fCfAf“fg fXfgfCE□fW

fjfxf^f€

ŽĀ□s

ftf@fCf< I/O

f}f:f`f□fffBfA

fìfbfgf□□fN I/O

^ó□ü

fVfXfef€ fvf□fpfefB

fŠftfCEfNfVf#f“

fCEfWfXfgfŠ

fZfLf...fŠfefB

fVfXfef€ fXfgfŠ□f€

fXfCEfbfh

ft□fU□□fCf“f^□[ftfFfCfX fAfNfZfX

ft□fU□□ftf@fCf< I/O

, Žg,ç,ìfRf“fsf...□f^,É□Ÿ'è,³,è,Ā,ç,éfAfNfZfXCE ,ðŠm,©,ß,é•û-@,É,Ā,ç,Ā,í□AŽŸ,ì "ŠÖ~A□€-Ú"
,ðŽQ□Æ,μ,Ā,,¾,³,ç□B

{button ,AL("A_IDH_SEC_ALERT_VIEW_JAVA_CUSTOM_SETTINGS")} ŠÖ~A□€-Ú

□Ý'è,ð•\Ž!,Ü,½,í•ĩ□X,·,éAfNfZfX,iŽí—p,ª•\Ž!,³,ê,Ü,·□BfAfNfZfXCE ,ì□Ý'è,ð•ĩ!,,é,É,í□A^ê——
,ĀfAfNfZfX,iŽí—p,ðfNfŠfbfN,μ□A%º,ìf{fbfNfX,Ā□Ý'è,ðŽw'è,μ,Ü,·□B

Žw'è,μ,½fAfNfZfX,đ<-‰oÂ,·,éftf@fCf<,ì-¼'O,đ"ü—í,·,é□ê□Š,Å,·□B-¼'O,đ"ü—í,·,é,©□A,Ü,½,í *.exe
,ì,æ,ı,Ëf□fCf<fhfj□[fh,đ"ü—í,μ□A['Ç‰oÁ] ,đfNfŠfbfN,·,é,Æ□A‰oº,í^ê—,É'Ç‰oÁ,³,ê,Ü,·□B

Žw'è,μ,½fAfNfZfX,đ<-‰oÂ,·,éftf@fCf<,l^ê—,ª•\Žl,³,ê,Ü,·□B

“ü—í,μ,½□€-Ú,ð^ê—,É'Ç%oÁ,μ,ÃfAfNfZfX,ð<-%oÁ,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

'l'đ,μ,½€-Ú,đ^ê—,©,çíœ,;,é,Æ,«,ÉfNfŠfbfN,μ,Û,·B

Žw'è,μ,½fAfNfZfX,đ<-‰oÂ,·,éftf@fCf<,l^è—,©,ç□œŠO,·,éftf@fCf<,l-¼'O,đ"ü—l,·,é□é□Š,Â,·□B

Žw'è,μ,½fAfNfZfX,đ<-‰oÂ,μ,È,çftf@fCf<,ì^ê—,ª•\Ži,³,ê,Ü,·□B

ftf@fCf< URL fR[]fh fx[]fX,Ö,lfAfNfZfX,ð<-‰Å,·,é,æ,α,É,μ,Û,·[]B

□Ý'è,đ•\Ž!,Ü,½,í•ĩ□X,·,éƒAfNfZfX,iŽí—p,ª•\Ž!,³,ê,Ü,·□B

Žw'è,μ,½fAfNfZfX,đ<-‰∆,·,éƒƒfWfXfgfŠ fL□[,ì-¼'O,đ"ü—í,·,é□ê□Š,∆,·□B-¼'O,đ"ü—í,μ□A[‘Ç‰∆]
,đNfŠfbfN,·,é,∆□A‰∆,ì^ê—,É'Ç‰∆,³,è,Ü,·□B

Žw'è,μ,½fAfNfZfX,ð<-‰oÂ,·,éfŒfWfXfgfŠ fL□[,î^ê—,ª•\Ž!,³,ê,Û,·□B

Žw'è,μ,½fAfNfZfX,đ<-‰oÂ,·,éfĈfWfXfgfŠ fL□[,ì^ê—,©,ç□œŠO,·,éfĈfWfXfgfŠ fL□[,ì-¼'O,đ"ü—
í,·,é□ê□Š,Ā,·□B

Žw'è,μ,½fAfNfZfX,δ<-‰oÂ,μ,È,cfŒfWfXfgfŠ fL□[,î^ê—,ª•\Ž!,³,ê,Û,·□B

f_fCfAfO f{fbfNfX,ìììì,ð<-%%Â,μ,Û,-B

fgfbfv fCEfxf< fEfBf“fhfE,ìì□□¬,ð<-‰oÂ,μ,Û,·□B

Java fAfvfCEfbfg, ©, çfgfbfv fCEfxf< fEfBf“fhfE, ìì□¬, ¢—v<□, ¢, ê, ½, Æ, «, ÉCEx□□, ð•\Ž!, , é, æ, ¢, É, μ, Û, ·□B

ï•ñ,ì∅,èŽæ,èAfRfs[A,“,æ,Ñ“\,è•t,ÉfRf“fsf...[f^,ìfNfŠfbvf{[fh,ðŽg,α,±,Æ,ð<-‰oÂ,μ,Û,·B

fvXfef€ fvf□pfefB,É'í,·,é-³□SCEÀ,ìfAfNfZfX,ð<-‰oÂ,μ,Û,·□B

ſvfXfef€ ſvf□pfefB,ÆŠg'£Žq,đŽw'è,μ,ÄfAfNfZfX,đ<-‰oÂ,Û,½,í<ÖŽ~,·,é,æ,π,É,μ,Û,·□B

fAfNfZfX,đ<-‰oÂ,·,éŠg'£Žq,đ“ü—í,·,é□ê□Š,Å,·□B

fAfNfZfX,đ<-‰oÂ,·éfVfXfef€ fvf□fpfefB,đ“ü—í,·,é□ê□Š,Å,·□B

fAfNfZfX,đ<-‰oÂ,μ,È,čVfXfef€ fvfpfefB,đ“ü—í,·,éêŠ,Â,·B

,±,ìpfufŠfbfN fp□[f~fbfVf#f“ flfufWfFfNfg,ÉŠÖ~A•t,¯,ç,ê,Ä,ç,éf□□[f_□[f^fCfv,đŽg—p%oÂ“\,É,μ,Ü,·□B

,±,ìpfufŠfbfN fp[]f~fbfVf#f“ flfufWfFfNfg,ÉŠÖ~A•t,¯,ç,ê,Ä,ç,éf[]f_[]^ÈŠO,ìf[]f_[],đŽQ[]Æ,μ,Ä,ç
.éf[]f_[] f^fCfv,đŽg—p%°Ä”\,É,μ,Û,·[]B

fpufŠbfN fvXfef€ fNf%fX,đŽQ□Æ,μ,Ä,č,é□□[f_□[f^fCfv,đŽg—p%oÂ"\,É,μ,Ü,·□B

,±,ìfp□[f~fbfVf#f“ flfufWfFfNfg,ÉŠÖ~A•t,¯,ç,ê,Ä,ç,éf□□[f_□[f^fCfv,ðŽg—p%oÂ“\,É,μ,Ü,·□B

,±,ìfp[]f~fbfVf#f“ flfufWfFfNfg,ÉŠÖ~A•t,¯,ç,ê,Ä,ç,éf[]f_[]^ÈŠO,ìf[]f_[],đŽQ[]Æ,μ,Ä,ç
,éf[]f_[] f^fCfv,đŽg—p%oÄ”\,É,μ,Û,·[]B

□éĈ^{3/4},³,ê,^{1/2}vJXfef€ fNf%ofX,đŽQ□Æ,μ,Ä,ϕ,éf□□[f_□[f^fCfv,đŽg—p%oÂ"\\,É,μ,Û,·□B

ft[fU[,^aŽw'è,μ,½ê‡,íAJava fAfvfEfbfg,É,æ,éftf@fCf<,ì“Ç,ÝŽæ,è,ð<-‰oÂ,μ,Ü,·B

ft[]fU[],^aŽw'è,μ,½ê#,íAJava fAfvfEfbfg,É,æ,éftf@fCf<,ì',«ž,Ý,đ<-‰oÂ,μ,Û,·B

Java fAfvfCEfbfg,ÅŽg—p,Å,«,éfffBfXfN—ì^æ,ìfTfCfY,ðŽw'è,μ,Û,·□B

ft[]fU[],^a,·,×,Ä,lfCf“f^[]flfbfg ftj@fCf<,É‘î,μ,ĂŽw’è,μ,½fffBfXfN—ì^æ,ì[]\$CEÀ,^a Java fAfvfCEfbfg,É“K—
p,³,ê,Ë,ç,æ,α,É,μ,Û,·[]B

^Ú“ @ftf@fCf<, ìòì¬, ð<-‰oÂ, µ, Û, ·□B^Ú“ @ftf@fCf<, í□Aft□[fU□[, ìfvf□ftf@fCf<“à, Éòì¬, ³, ê, Û, ·□B, , éft□[fU□[
, ³f□fOf|f“ , µ, ½fRf“fsf...□[f^, É, í□A, » , ìft□[fU□[, ì^Ú“ @ftf@fCf<, ²•Ú‘¶, ³, ê, Û, ·□B

[ŽÄs,ð<-%oÂ] f{fbfNfX,ÅŽw'è,μ,½fAfvfŠfP[fVf#f“,ðŽÄs,Å,«,é,æ,α,É,μ,Ü,·B

ŽÀs,Å,«,é,æ,π,É,·,évf[]fOf%of€,ďŽw'è,·,é[]ê[]Š,Å,·[]B

ŽÀs,Å,«,È,ç,æ,π,É,·,éfvf[]fOf%of€,ðŽw'è,·,é[]ê[]Š,Å,·[]B

fXfCEfbfh flfufWfFfNfg,É'í,·,é-³□SCEÀ,lfAfNfZfX,ð<-‰oÂ,μ,Ü,·□B

fXfCEfbfh fOf<[]fv,Éí,·,é-³[]SCEÀ,ìfAfNfZfX,ð<-‰oÂ,μ,Û,·[]B

• W□€“ü—lfXfgfŠ□[f€,ì□Ý'è,ðfp□[f~fbfVf†f“ fIfufWfFfNfg,É,æ,Á,Ä<-‰oÂ,·,é,æ,α,É,μ,Ü,·□B

• W□€□o—ÍXfgfŠ□[f€,ì□Ý'è,ðfp□[f~fbfVf†f“ fIfufWfFfNfg,É,æ,Á,Ä<-%oÂ,·,é,æ,π,É,μ,Û,·□B

fGf%o[o—ÍXfgfŠ[f€,ìÝ'è,ðfp[f~fbfVf+f“ flfufWfFfNfg,É,æ,Á,Ä<-%oÂ,·,é,æ,α,É,μ,Ü,·B

PrintingPermission ,đŠ—L, :éfNf%ofX,É^óüfT[fxfX,iŽg—p,đ<-%oÂ,μ,Û,·B

Microsoft® DirectX® API ,iŠg'£<@"\,Ö,ìfAfNfZfX,đ<-‰Á,μ,Û,·□B

JDK ,lfZfLf...fŠfefB fNf%ofX **java.lang.security** ,Ö,lfAfNfZfX,đ<-‰oÂ,μ,Ü,-□B

□Ý'è, ð•\Ži, Ü, ½, í•ĩ□X, ·, é'Ê□M, iŽí—p, a•\Ži, ³, ê, Ü, ·□BŽŸ, ì•\, í□A'Ê□M, iŽí—p, Æ□Ý'è, ì^ê—, Ä, ·□B

□Ý'è

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

“Á'è, ìfCf“f^□[ftfFfCfX, âf|□[fg, É'í, ·, é□Ú'±

“Á'è, ìf}f<f`fLfffXfg fOf<□[fv, Ö, ìŽQ%oÁ

ÆÂ•Ê, ìf|□[fg, É□Ý'è, ³, ê, Ä, ç, é<K'¥, É—D□æ, ·, é□Ý'èfOf□□[fof< f|□[fg

'Ê□M, iŽí—p

□Ú'±

fOfCf“fh

f}f<f`fLfffXfg

Žw'è,μ,½'É□M,δ<-‰°Á,·,ézfXfg,Æf|□[fg,ì-¼'O,đ"ü—í,·,é□ê□Š,Å,·□B-¼'O,đ"ü—í,μ□A['Ç‰°Á]
,đfNfŠfbfN,·,é,Æ□A‰°°,ì^ê—,É'Ç‰°Á,³,è,Ü,·□B

Žw'è,μ,½'É□M,đ<-‰oÂ,·,ézfXfg,Æf|□[fg,ì^ê—,ª•\Ž!,³,ê,Û,·□B

Žw'è,μ,½'É□M,đ<-‰oÂ,;ézfXfg,Æf|□[fg,î^è—,©,ç□œŠO,;ézfXfg,Æf|□[fg,î-¼'O,đ"ü—í,;é□ê□Š,Å,-□B

Žw'è,μ,½'É□M,đ<-‰oÂ,μ,È,†fzfXfg,Æf|□[fg,î^ê—,ª•\Ži,³,ê,Ü,·□B

File URL ,ÉÚ±,·,é,æ,π,É,μ,Û,·B

File URL ,Å,È,ç URL ,ÉÚ±,·,é,æ,π,É,μ,Û,·B

ffXf^f€E CEÀ,i-¼'O,Æff□[f^,ð"ü—í,·,é□ê□Š,Å,·□B-¼'O,Æff□[f^,ð"ü—í,μ□A['Ç%oÁ] ,ðfNfŠfbfN,·,é,Æ□A
%oo°,í^ê—,É'Ç%oÁ,³,ê,Ü,·□B

$\int_X f^p \in \mathbb{C} \iff \int_X f \in \mathbb{C}$, $\int_X f^p = \left(\int_X f\right)^p$ if $f \geq 0$ and $p \in \mathbb{N}$.

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

fZfLf...fŠfefB fCefxf<,đ't,É□Ý'è,·,é,Æ,«,ÉfNfŠfbfN,μ,Ü,·□B

ffXf^f€□Ý'è,ð•\Ž!,.,é,É,Í

Java ,ífAfNfZfXCE ,Í□Afífbfgf□□[fNŠÇ—□ŽÒ,^a Internet Explorer ŠÇ—□ŽÒfLfbfg (IEAK)
,ðŽg,Á,Ä□Ý'è,μ,Ü,·□B'Éí□Afífbfgf□□[fNŠÇ—□ŽÒ,^aŽw'è,μ,½□Ý'è,ðft□[fU□[^a•Í,!,é,±,Æ,Í,Á,«,Ü,¹,ñ,□A•\
Ž!,.,é,±,Æ,Í,Á,«,Ü,·□BŽŸ,ìŽè□‡,Á□Ý'è,ð•\Ž!,μ,Ü,·□B

1 fffXfNfgfbfv,ì [fCf“f^□[fbfbfg] fAfCfRf“,ðf}fEfX,ì%oEf{f^f“,ÁfNfŠfbfN,μ□A[fvf□pfefB]
,ðfNfŠfbfN,μ,Ü,·□B

2 [fZfLf...fŠfefB] f^fu,ðfNfŠfbfN,μ□A[fjXf^f€] ,ðfNfŠfbfN,μ,Ü,·□BŽŸ,É□A[□Ý'è] ,ðfNfŠfbfN,μ,Ü,·□B

3 ^è—,Á [Java] ,ì [ffXf^f€] ,ðfNfŠfbfN,μ,Ü,·□B

4 f_fCfAf□fO f{fbfNfX,É•\Ž!,³,è,½ [Java fffXf^f€□Ý'è] ,ðfNfŠfbfN,μ,Ü,·□B

'□

▪ [ffXf^f€ fAfNfZfXCE] f_fCfAf□fO f{fbfNfX,ì%o□[É [•Ò□W] f{f^f“,^a•\Ž!,³,è,Ä,ç
,é□è□‡,Í□A□Ý'è,ð•\X,Á,«,Ü,·□B

▪ [•Ò□W] f{f^f“,^a•\Ž!,³,è,É,ç□è□‡,Í□Aft□[fU□[^a□Ý'è,ð•\!,é,±,Æ,Í,Á,«,Ü,¹,ñ□B□Ý'è,ð•\!,é•K—
v,^a, ,é□è□‡,Í□Afífbfgf□□[fNŠÇ—□ŽÒ,É,“-â,ç□‡,í,¹,³/₄,³,ç□B

{button ,AL("A_IDH_SEC_ALERT_MORE_INFO")} ŠÖ~A□€-Ú

,±,ìf_CfAf□fO f{fbfNfX,ð•Â,¶□A•ï□X“à—e,ð•Û‘¶,µ,Û,·□B

•ĩX“à—e,đ•Ů‘ŕ,¹,,ÉA,±,lf_CfAfO f{fbfNfX,đ•Â,ŕ,Ů,·B

[f] [f" fGfffBf^] f_fCfAf_fO f{fbfNfX

fAfNfZfXCE , íA[-ç[]-¼]A[<-%oÂ[]í,Ý]A,Ü,½,í [fNfGfŠ[][<'""Ü] ,ÉŠ,,,è"-,Ä,é,±,Æ,ª,Å,«,Ü,·B[-ç[]-¼]
,Ü,½,í [<-%oÂ[]í,Ý] ,ÉŠ,,,è"-,Ä,Ä,ç,È,çfAfNfZfXCE ,íA,·,x,Ä [fNfGfŠ[][<'""Ü] ,ÉŠ,,,è"-,Ä,ç,é,Ü,·B
[fNfGfŠ[][<'""Ü] ,ÉŠ,,,è"-,Ä,½fAfNfZfXCE ,ì,π,¿A"Á"è,ìfAfNfZfXCE ,ø [fNfGfŠ[][] ,ÉŠ,,,è"-
,Ä,é,ÆAŽc,è,ìfAfNfZfXCE ,ª [<'""Ü] ,ÉŠ,,,è"-,Ä,ç,é,Ü,·B<t,ÉA"Á"è,ìfAfNfZfXCE ,ø [<'""Ü] ,ÉŠ,,,è"-
,Ä,é,ÆAŽc,è,ìfAfNfZfXCE ,ª [fNfGfŠ[][] ,ÉŠ,,,è"-,Ä,ç,é,Ü,·B
,·, x, Ä, ìfAfNfZfXCE ,ø<-%oÂ,·,é,É,íA[Š@'S,ÈCE CEÀ,ø<-%oÂ,·,é] f`fFfbfN f{fbfNfX,øfif" ,É,·,é,ÆAí
%ož,·,éf_fCfAf_fO f{fbfNfX,Å,·, x, Ä, ìfAfNfZfXCE ,ø<-%oÂ,·,é,æ,π,ÉŽw'è,·,é•K—v,í, ,è,Ü,¹,ñB

[fjfx^f€ fAfNfZfXCE] f_cfAffo f{fbfNfX

,±,lf_cfAffo f{fbfNfX,É,íAfIbfbgf[]fNŠÇ—ŹÒ,É,æ,Á,ÄŽw'è,³,è,Ä,ç,é Java ,lfjfx^f€Ÿ'è,ª•\ Ž|,³,è,Ü,·B

Java fAvfCfbfg,É,æ,Á,Ä,íAZÀsŽž,ÉAf[]fU[],lRf"fsf...[]f^,É, ,étf@fCf<,È,Ç,lšf[]fX,É Java fAvfCfbfg,©,çAfNfZfX,·,é•K—v,ª, ,è,Ü,·BfRf"fsf...[]f^,lšf[]fX,ÉfAfNfZfX,·,é,É,íA"Á•È,ÈfAfNfZfXCE ,ª•K—v,Á,·BfAfNfZfXCE ,íAfIbfbgf[]fNŠÇ—ŹÒ,É,æ,Á,Äšù,ÉŽw'è,³,è,Ä,ç,ééèª,ª, ,è,Ü,·BfAfNfZfX,ð< -%Á,·,ééèª,íA,»,)fAfNfZfXCE ,ª—v<ª,³,è,½,Æ,«,Éft[]fU[],É'É'm,·,é,æ,ª ,ÉŽw'è,Ä,«,Ü,·Bft[]fU[],É'É'm,µ,È,ç,æ,ª,ÉŽw'è,µ,½èèª,íA<-%Á,³,è,½fAfNfZfXCE ,ð'´,!,éfAfNfZfX,ª Java fAvfCfbfg,©,ç—v<ª,³,è,½èèª,¾,´É'm,³,è,Ü,·B

,±,lf_cfAffo f{fbfNfX,É,í 3 ,Á,l^fu,ª, ,èA,»,è,¼,è,l^fu,lAfNfZfXCE ,l'g,Ýª,í,¹,É'í%ž,µ,Ä,ç,Ü,·B

f^fu CE CEÀ

-ç[]-¼ []-¼,ì,È,çf_fEf"f[]fh fRf"fef"fc,ÉŠ,,,è"-,Ä,ç,è,Ä,ç,éfAfNfZfXCE

CEx[] ,È,µ,Á<-%Áí,Ýft[]fU[],ÉŠm"F,¹, ,ÉŠ,,,è"-,Ä,ç,è,é,éfAfNfZfXCE

<'""Ü ft[]fU[],ÉŠm"F,µ,Ä,©,çŠ,,,è"-,Ä,ç,è,é,©A,Ü,½,í,É<Öž~ ,³,è,Ä,ç,éfAfNfZfXCE

Šef^fu,É,íAZŽ,ì,æ,ª,ÈfAfNfZfXCE ,ªŠ,,,è"-,Ä,ç,è,Ä,ç,Ü,·B

fN%fCfAf"fg fXfgfCE[]fW

fjfx^f€

ŽÀs

ftf@fCf< I/O

f}f<f`f[]ffBfA

fIbfqf[]fN I/O

^óü

fVxfefe€ fvf[]fpfefB

fšftfCEfNfVf#f"

fCEfWfXfgfš

fZfLf...fšfefB

fVxfefe€ fXfgfš[]f€

fXfCEfbfh

ft[]fU[]_fcf"f^[]ftfFfCfX fAfNfZfX

ft[]fU[]_ftf@fCf< I/O

[ftf@fCf< I/O] f^fu

, ±, ĩf^fu, Å, íA fA fN fZ fX CE , đ<-‰Å, , éftf@fCf<, đŽw'è, μ, Û, ·B•W€
, ĩY'è, Å, íA, ·, x, Ä, ĩftf@fCf<, œŠO, ³, è, Ä, †, é, ½, B A œŠO, , éftf@fCf<, đŽw'è, ·, é•K—v, í, , è, Û, ¹, ñB, ½, ¾,
μA<-
‰Å, , éftf@fCf<, ĩW†, É œŠO, μ, ½, †ftf@fCf<, ŠÛ, Û, è, éê†, íA œŠO, , éftf@fCf<, đŽw'è, μ, Û, ·B, ½, Æ, !,
îA f}f<f` fœBfA ftj@fCf< (*.avi) , đ<-‰Å, , éftf@fCf<, É'Ç‰Å, μ, ½ê†, íA'Á'è, ĩf}f<f` fœBfA ftj@fCf<
(MyFile.avi , È, Ç) , đœŠO, , é, ±, Æ, ³, Å, «, Û, ·B["Ç, ÝŽæ, è]A[', «ž, Ý]A, , æ, Ñ [íœ] , ĩ 3 Ží—
p, ĩfA fN fZ fX, É, Å, †, Ä^Û, È, éfA fN fZ fX CE , đŽw'è, ·, é, ±, Æ, ³, Å, «, Û, ·B

'
▪ , ±, ĩf_CfA fœfO f{f b fN fX, É, íA €—Ú, ², Æ, Éf w f<f v, ³, , è, Û, ·B f w f<f v, đ•Ž!, , é, É, íA—Ú"l, ĩœ—
Ú, đ'1'đ, , é, ©A, Û, ½, ĩfN fŠ f b fN, μA F1 fL[, đ‰Ÿ, μ, Å, , ¾, ³, †B

[fCfWfXfgfŠ] f^fu

, ±, ĩf^fu, Å, íA fA fN fZ fX CE , đ<-%oÅ, , éfCfWfXfgfŠ fL[, đŽw'è, μ, Û, ·B•W€
, ĩŸ'è, Å, íA, , x, Å, ĩfCfWfXfgfŠ fL[, aœŠO, ³, è, Å, ç, é, ½, B A œŠO, , éfCfWfXfgfŠ fL[, đŽw'è, , é•K—
v, í, , è, Û, ¹, ñB, ½, ¾, μA<-%oÅ, , éfCfWfXfgfŠ fL[, ì%oº, ìŠK'w, ÉœŠO, μ, ½, çfCfWfXfgfŠ
fL[, aŠÜ, Û, è, éêê, íA œŠO, , éfCfWfXfgfŠ fL[, đŽw'è, μ, Û, ·B, ½, Æ, , í AHKEY_CURRENT_USER , đ<-
%oÅ, , éfCfWfXfgfŠ fL[, É'Ç%oÅ, μ, ½êê, í AHKEY_CURRENT_USER , ì%oº, ìŠK'w, É, , é
HKEY_CURRENT_USER\NETWORK , đœŠO, , é, ±
, Æ, a, Å, «, , ·B[“Ç, ÝŽæ, è]A[, «ž, Ý]A[í]œ]A[ñ]A, , , æ, Ñ [Š], , ì 5 Ží—p, ĩA fN fZ fX, É, Å, ç
, Å^Û, È, éA fN fZ fX CE , đŽw'è, , é, ±, Æ, a, Å, «, Û, ·B

'
▪ , ±, ĩf_C fA fO f{ f b fN fX, É, íA œ—Ú, ², Æ, Éf w f< f v, a, , è, Û, ·B f w f< f v, đ•\Ž!, , é, É, íA—Ú“l, ìœ—
Ú, đ'ı'đ, , é, ©A, Û, ½, ĩfN fŠ f b fN, μA F1 fL[, đ%oŸ, μ, Å, ¾, ³, çB

[UI] f^fu

,±

,lf^fu,Å,í□Aft□lfU□[fCf“f^□[ftfFfCfX,ÉŠÖCEW,.,éfAfnfzfxCE ,ðŽw'è,μ,Û,·□B,½,Æ,!,î□AfeFbf“fhfE,âf_fCfA
f□fO f{fbfNfX,ì□ì□-,ð<-‰Å,μ,½,è□A.ini ftf@fCf<,È,Ç,lfvfXfef€ fvf□fpfefB,Ö,lfAfnfzfx,ð<-‰Å,μ,½,è□A-
â,ç□#,í,¹,ÉŽg,æ□î•ñ,ì□\‘ç,ðCE^'è,·,é,½,ß,É□î•ñ,ðf`ffbfN,·,é,±,Æ,ð<-
‰Å,μ,½,è,Å,«,Û,·□BŽw'è,μ,½fAfnfzfxCE ,í□A[fjfxf^f€ fAfnfzfxCE] f_fCfA□fO f{fbfNfX,É•\
Ž!,³,è,Û,·□B,Û,½□A<-‰Å,³,è,Ä,ç,éfAfnfzfxCE ,ð'´,!,éfAfnfzfx,ª Java fAfvfCEfbfg,©,ç—
v<□,³,è,½□è□#,É□A[fzflf...fŠfefB,ìCEx□□] f_fCfA□fO f{fbfNfX,É•\Ž!,³,è,Û,·□B

'□

▪ ,±,lf_fCfA□fO f{fbfNfX,É,í□A□€-Ú,²,Æ,Éfwf<fv,ª ,è,Û,·□Bfwf<fv,ð•\Ž!,·,é,É,í□A-Ú“l,ì□€-
Ú,ð'1'ð,·,é,©□A,Û,½,lfNfŠfbfN,μ□AF1 fL□[,ð‰Y,μ,Å,,¾,³,ç□B

[,»,ì¼] f^fu

,±,ìf^fu,Å,íAftf@fCf<,ì“Ç,ÝŽæ,èA□',«□ž,Ý□A•Ú'¶□Afvf□fOf%of€
,ìŽÀ□s□Afxfcefbfh,ì□ì□-,È,Ç,É'Í,.,éfAfnfzfxce ,ðŽw'è,μ,Û,·□BŽw'è,μ,½fAfnfzfxce ,í□Alfjfxf^f€
fAfnfzfxce] f_fCfA□fO f{fbfNfX,É•\Ž!,³,è,Û,·□B,Û,½□A<-%oÅ,³,è,Ä,ç,éfAfnfzfxce ,ð'´,|,éfAfnfzfx,³
Java fAfvfcefbfg,©,ç—v<□,³,è,½□ê□#,É□Alfzflf...fšfefB,ìCex□□] f_fCfA□fO f{fbfNfX,É•\Ž!,³,è,Û,·□B
'□
▪ ,±,ìf_fCfA□fO f{fbfNfX,É,í□A□€-Ú,²,Æ,Éfwf<fv,ª, ,è,Û,·□Bfwf<fv,ð•\Ž!,.,é,É,í□A-Ú"l,ì□€-
Ú,ð'ì'ð,.,é,©□A,Û,½,ífNfSfbfN,μ□AF1 fL□[,ð%oÿ,μ,Ä,³/4,³,ç□B

[f]bfgf [fN I/O] f^fu

, ±, ĩf^fu, Å, íA<-‰Å, ·, éÚ' ±, ìŽí—p, ÆAÚ' ±, ð<-‰Å, ·, ézfXfg, Æf [fg, ðŽw' è, μ, Ü, ·B•W€
, ìY' è, Å, íA, ·, x, Ä, ĩzfXfg, Æf [fg, œŠO, ³, è, Ä, ç, é, ½, B A œŠO, ·, é€-Ú, ðŽw' è, ·, é•K—v, í, , è, Ü, ¹, ñB, ½,
¾, μA<-‰Å, μ, ½€-Ú, ìW [ç, É œŠO, μ, ½, ç€-Ú, œŠÜ, Ü, è, éê [ç, íA œŠO, ·, é€-
Ú, ðŽw' è, μ, Ü, ·B [Ú' ±] A [fofçf"fh] A [f}fçf flfffXfg] A, ", æ, Ñ [fof [fofç f [fg]], ì 4 Ží—p, ìÚ' ±, É, Å, ç
, Ä^Ü, È, éAfnfzfxce , ðŽw' è, ·, é, ±, Æ, ³, Å, «, Ü, ·B

' [

▪ , ±, ĩf_c fA f [fo f {fbfnfx, É, íA €-Ú, ², Æ, Éfwfçfv, ³, , è, Ü, ·Bfwfçfv, ð•\Ž!, ·, é, É, íA-Ú"l, ì€-
Ú, ð'1' ð, ·, é, © A, Ü, ½, ĩNfSfbfn, μ AF1 fl [ç, ð‰Y, μ, Å, , ¾, ³, çB

[fjXf^f€] f^fu

,±,if^fu,Å,íA-¼'O,âff□[f^ f^fCfv,ÅfjXf^f€ fAfNfZfXCE ,ìÝ'è,ðŽw'è,μ,Ü,·□B

'□

▪ ,±,if_fCfAf□fO f{fbfNfX,É,íA□€-Ú,²,Æ,Éfwf<fv,^a, ,è,Ü,·□Bfwf<fv,ð•\Ž!,.,é,É,íA-Ú"l,ì□€-Ú,ð'ìð,·,é,©□A,Ú,½,ífNfSfbfN,μ□AF1 fL□[,ð%oÿ,μ,Å,,¾,³,ç□B

ft@fCf<,Ö,lfAfnfzfX,ì—v<□□A,Ü,½,Íft@fCf<,Ö,lfAfnfzfX,É'í,·éfAfnfzfXCE □B

fjfbfgf[]fN'€i,âfjfbfgf[]fNŠÖ~A,î^—,ì—v<[]A,Ü,½,í,±,ê,ç,ì'€i,É'í,·,éjAfNfZfXCE []B

fXfCfbfh,âfXfCfbfh fOf<[fv,ðïï¬,µ,½,èA'€ï,µ,½,è,Å,«,é,æ,α,É,·,éfAfNfZfXCE □B

fOf□□[fof< fVfXfef€ fvf□fpfefB,Ö,ÿAfNfZfX,â'€□ì,ì—v<□□A,Ü,½,í,±,ê,ç,ì'€□ì,É'í,·,éfAfNfZfXCE □B

,Ù,©,ìfAfvfŠfP[]fVf#f“,đŽÀ[]s,:é—v<[]A,Û,½,í,Ù,©,ìfAfvfŠfP[]fVf#f“,đŽÀ[]s,Å,«,é,æ,α,É,:éfAfnfZfxCE []
B

fŠftfCEfNfVf#f“ ,ì‘€□i,đŽÀ□s,·,é—v<□□A,Ü,½,ÍfŠftfCEfNfVf#f“ API ,đŽg,Á,Ä“Á’è,ÍfNf
%ofX,Íf□f“fo,ÉfAfNfZfX,Å,«,é,æ,π,É,·,éfAfNfZfXCE □B

^óü API ,ÉfAfNfZfX,Å,«,é,æ,α,É,; ,éfAfNfZfXCE □B

fCefWfXfgfŠ fL[],ÉfAfNfZfX,·,é—v<[]A,Ü,½,ÍfCefWfXfgfŠ,ÉfAfNfZfX,Å,«,é,æ,π,É,·,éfAfNfZfXCE []B

JDK fZfLf...fŠfefB fNf%ofX **java.lang.security** ,ÉfAfNfZfX,Å,«,é,æ,α,É,; ,éfAfNfZfXCE □B

^êŽž“l,Èî•ñ,ð•Ù‘¶,·,é,½,ß,ÉŽg,κÅ’â 1MB ,ì^êŽž“l,È—ì^æ,ðA□□-
¼ï,ÝfRf“fef“fc,ì,½,ß,Éî□□→,Å,«,é,æ,κ,É,·,éAfNfZfXCE □BJava fAfvfCEfbfg,í□Aft□[fU□[,ìfn□[fh
fffBfXfN,É, ,é,Ù,©,ìftf@fCf<,Éí,·,é“Ç,ÝŽæ,è,â□’,«□ž,Ý,í<-‰Å,³,è,Ü,¹,ñ□B□□-¼ï,Ý,ì Java
fAfvfCEfbfg,í□AŽ©•ª,Å□î□→,μ,½^êŽž“l,È—ì^æ,¾,¯,ÉfAfNfZfX,Å,«,Ü,·□B,±,ìCE CEÀ,ð—
^,ì,é,Æ□A’tfCEfxf<,ìfZfLf...fŠfefB,É,È,è,Ü,·□B

ft[]fU[] fCf“f^[]ftfFfCfX API ,iŠg'£<@"\,đŽg—p,;é—v<[]A,Û,½,í AWT ,iŠg'£<@"\,ì^ê•",đŽg—
p,Â,«,é,æ,Ɂ,É,·,éfAfnfzfxCE []B

java.lang.System.in **java.lang.System.out** **java.lang.System.err**

ft[]fU[],iŠm" F,đ•K—v,Æ,·,é"ü□o—í'€□,ì—v<□□A,Ü,½,í,±,ê,ç,ì'€□,É'í,·,éjAfNfZfXCE □B

Šg'£f}f`f`ffBfA<@"\,ðŽg—p,Å,«,é,æ,α,É,:éfAfNfZfXCE □B

ffXf^f€'€ò,ðs,κ—v<òòA,Ü,½,íffXf^f€'€ò,É'í,·,éAfnfzfXœ □B

