

ClipRecorder

ŠT—v

ClipRecorder, Á, Ä, H

, Ü, Žg, Á, Ä, Ý, Ü, µ, å, x

ClipRecorder, l, "A".

"® l ŠA <<

Žå, Èžg—p—á, Æf[A, »], l'1/4, l•Ö—~, Èžg, ç•û(Tips)

[], ð, ½, „, ³, ñ, ŠÜ, þ‰, ð, à, ’, l, l, l, —

"C^Ó, lfAfvfŠfP[lfvf+f", Á[A•j, "l, €-Ú, É~A'±, Á"l, è•t, _ð, s, x

^ø-p<@"/l, È, çf[l, f<fvfXfef€, Á^ø-p•¶, l, l, l, —

ftf@fCf<-1/4, l^é—-, ð, l, l, —, ., é

'€l•û-@

f[fif...l, Æfc[l, f

Z© "® l ^ Zè" ®f, l, fh, l, Ø, è' Ö, l

ff[l, f^, l"à—e, ð, Šm" F, ., é

•\Z, CŒ`Z®, ð, Ø, è' Ö, ., é

ff[l, f^, ^ È'u, ð, ^ U" ®, ., é

fefLfXfg, ð•Ø, W, ., é

'S'l, ^, Á, l, —, \Z, l, Ø, è' Ö, ., é

l, Y, è, ð, Ø, è' Ö, ., é(., ., l1)

l, Y, è, ð, Ø, è' Ö, ., é(., ., l2)

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fXfgfCŒ[l, fW, l•Ø, W (•À, x' Ö, l, A, l, íœ)

fXfgfCŒ[l, fW, È•Ù'¶, ., é

ŠO• "ftf@fCf<, ð, C, Y, ž, þ

ŠO• "ftf@fCf<, È•Ù'¶, ., é

fefLfXfgftf@fCf<, ©, c, ;, "fŒfR[l, fh, ð, C, Y, ž, þ

fhf‰, fb, O, l, •fh, l, fb, fv

fAfCfRf", ð, Ž, æ, è, o, .

%æ-Èfl, l, ff, vf, ff

—l, ^æZw, è

CŒ'èfTfCfY

fAfNfefBfufEfBf"fhfE

•"•j

'S‰æ-È

f, l, fb, fv, fAf, bf, fv, l, —

f, }fEfXf, l, [f, f<, ð, ŠÜ, þfL, l, ff, vf, ff

l, —, ., é

ftf[l, fU"o, ^, l, CŒ, È, Á, ç, Ä

ftf[l, fU"o, ^, È, Á, ç, Ä

'^, l, CŒ, È, Á, ç, Ä

'^, l, CŒ, È, Á, ç, Ä

ClipRecorder, Ä, Ä H

ClipRecorder, É, Í, å, «, Ž, Ý, ï, 2, Å, ï, <@", \, ª, , è, Ü, ·, □, B

- 1) fNfŠfbfvf{[]fh,É—š—đ<@"\,đ•t‰Á,·é
2) %‰æ-ÊfLfffvf`ff,đ[]s,x

1) fNfŠfbfvf{█[fh—š—đ<@”\

2) %oæ-ÊfLffffvf`ff<@”\

3) „»,” $\frac{1}{4}$, “@”\

„,ì’¼ŽÝ,ì,æ,¤,È@”\,¤,·,è,Ü,·□B
□ÝfefLfXfg,ð‰%Å□H,µ,ÄfNfŠfbfvf{□[fh,É-ß,·□Bf□□[f<,ì^ø—p•¶,à□ì□¬,Å,«,é□B
□ÝfGfNfXfvf□□[f‰%,©,ç·i”ftf@fCf<,ìfpfX-¼,ð□Ø,è□o,·□B
□ÝEXE,âDLLftf@fCf<,©,cfAfCfRf”,ðZæ,è□o,·□B

ClipRecorder,记录，分享

ClipRecorder, í·Àfjtfg, l‰ooðàù', l, æ, x, É‰ooæ-ÈfCfCf[fW, ð, ½, , , ñ\, è•t, -, é, æ, x, È•¶', l, o, - , ðx‰o‡, : , -é-U"l, ÄSJ", µ, Ü, µ, ½B"-Û‰, lfNfSfbfvf{[]fh, l—š—ð<@"\, l, Y, ð, Äfcf[f, Ä, µ, ½B, AE, è, , l, , , l‰ooæ- ÈfLfffv`ff, l‰APrintScreen, Ü, ½, lAlt+PrintScreenfL[], l, €, l, Ä‰ooÄ", ¾, Ä, ½, ©, c, Ä, ·B, µ, ©, µžAÛÜ, É, lPrintScreen, Ä, lZæ"³/4, Ä, «, È, ç‰ooæ-È, a, ç, , Ä, ©, , é, ±, AE, É<C, a, Ä, «, Ü, µ, ½B, ½, AE, l, lfjfbfvfAfjfjf...[], ð, Ä, è, ½, ç‰Af}fEfXfj[]fjf, ð‰ooæ- È, ÉŠÜ, ß, ½, ç‰AfTufjfjf...[], a‰C³, l‰ooæ-È, lŠO, É, l, Y, o, Ä, ç, é, AE, », l, "•a, a‰, ç, ê, é, A"™ X, AE, ç, Ä, ½-v, o, ^•s-ž, a, , è, Ü, µ, ½B, ±, ê, ç, È‰oož, l, éC` , ÄfLfffv`ff<@"\, â, », l, '¼, l<@"\, ðZæ, è, ü, éŠg[], , , ÄCŒ"lY, ÉZS, Ä, Ä, ç, Ü, ·B

□} , ð , ½ , , ³ , ñ Š Ü , þ % o ð à ‘ , ì ò ì ò -

, , éf\ftfgfEfFfA, ï‰oðà‘, ð, v, n, q, c, Åòìò~, ., é, Æ, μ, Ü, ·òB, » , ï‰oðà‘, É, íòA‰oæ-ÊfCf[]fW, ð, ½, -
; , ñ“\, è•t, , Ü, ·òB

□]—^, È, çòA, ±, ê, íZÝ, ì, æ, x, È'€òì, Åòìò~, ., é, ±, Æ, É, È, é, Å, μ, å, xòB

1) ŽÀÜ, É, » , j\ftfgfEfFfA, ð“®, ©, μòA‘’è, ï‰oæ-Ê, ð Alt + PrintScreen
fL[], ÅfNfŠfbfvf{[]fh, ÉŽæ, èòž, þòB

2) , v, n, q, c, ÉòØ, è’Ö, |, ÅòAfNfŠfbfvf{[]fh, ©, ç‰oæ-Ê, ð, v, n, q, c, ¶ò‘, ÉŽæ, èòž, þòB

3) ^È~ÅA‰oæ-Ê^êŒÅ, ^Æ, ÉòA, v, n, q, c, È'íÜf\ftfgfEfFfA, ðòØ, è’Ö, |, È, , çòAå<L1), 2)
, ðŒJ, è•Ô, ·òB

ŽÀÜ, É, å, Á, Ä, Ý, ê, î, í, ©, é, ±, Æ, Å, ., åòA, ±, jfvf\fof‰of€, ðòØ, è’Ö, |, é, Æ, ç, x'€òì, í”ñòí, É-Ê“|
, Å, ·òB‘€òì, jZèŠÖ, à, » , x, Å, ., åòA•p”É, È“å, lòØ, è’Ö, |, ð, μ, È, , ê, î, È, ç, È, ç, Æ, ç, x, |, , å•‰o’S, É, È, è”\—
, ð’‰oº, , Ü, ·òB

ClipRecorder, ðŽg, x, ÆòAŽÝ, ì, æ, x, È'€òì, É, È, è, Ü, ·òB

1) » , j\ftfgfEfFfA, ð“®, ©, μòA•K—v, Ê‰oæ-ÊfCf[]fW, ð, , x, ÄClipRecorder, ÉŽæ, èòž, þòB

2) , v, n, q, c, ð<N“®, μòAClipRecorder, ©, ç‰oæ-ÊfCf[]fW, ðŽÝ[]X, ÉŽæ, èòž, þòB

, v, n, q, c, ð•ÒW, μ, Å, ç, é, Æ, «, ï‰oæ-Ê, lòØ, è’Ö, |, lòAf{f^f“^êŒÅ, ð

%oÝ, , ¾, , Å, Ü, Æ, ñ, Ç“å, ðŽg, x'€òì, Å, í, , è, Ü, , ñòB

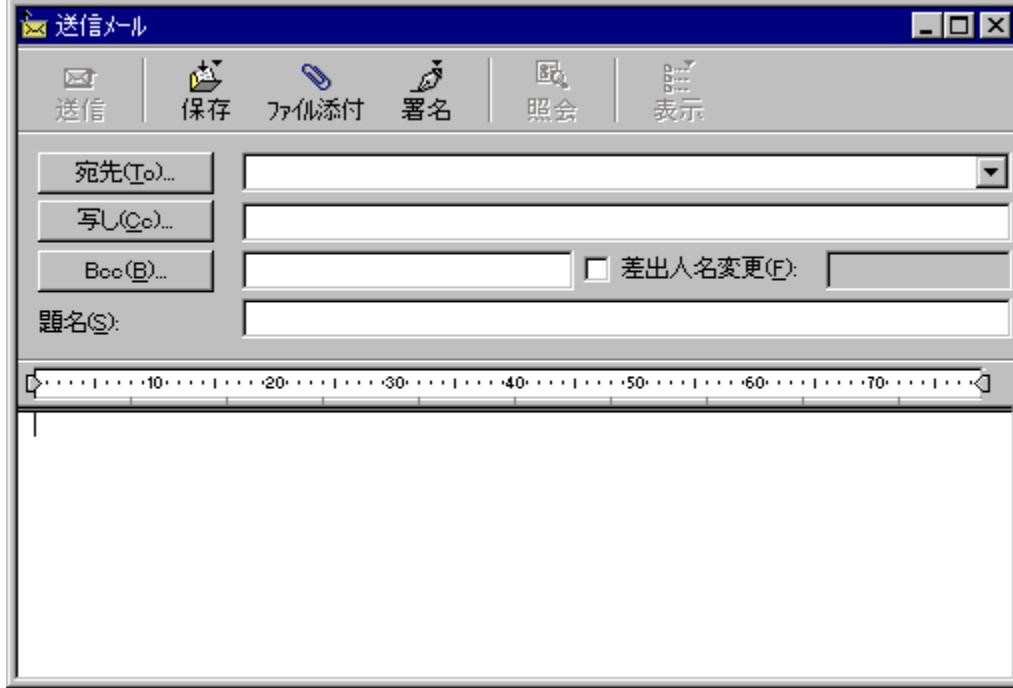
, ±, , ½, ßòA’íÜfAfvfŠfP[]fVff“, l’€òòA, v, n, q, c, l•ÒW, » , ê, ¼, è, Éòé”O, Å, «”ñòí, É”\—
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, Ü, ½òAClipRecorder, Å, íòAŒ, òF, à, Å, «, Ü, ·òB‰oðà‘, É, æ, Å, Ä, íòAŠÜ, þò}, lòF, í, ½, Æ, |, l16òF, Å, à
—Ç, ç, à, , è, Ü, ·òB, μ, ©, μòA’Éòí, jfpf\frf“, l256òFòA, , é, ç, íTrue Color, ÅŽg, í, ê, Å, ç, éòêò‡, å’½, ç
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ò!, ±, jfwf\fvftf@fCf<, í, à, , è, ñClipRecorder, ðŽg, Å, Äòìò~, μ, Ü, μ, ½òB

"C^Ó,ífAfvfŠfP[fVftf",À¤A•í"€-Ú,É~A'±,À"\,è•t,-,ðs,s
('èŒ^•¶',íì→A'èŒ^"ü—í'€ì,ÍŠE^Ó‰»)

,½,Æ,!,íŽY,!,æ,¤,È‰œ-Ê,À¤A^¶œA'è-¼¤A-{•¶,È,Ç,É'èŒ^,í"à—e,ð"\,è•t,-,½,¢,Æ,¢,¤,±
,Æ,!,æ,,é,Å,µ,å,¤B



ClipRecorder,ðŽg,¤,Æ¤A,±,ê,ç,)"ü—í'€ì,¤,æ,¤,ŠE^Ó‰»,"^,ê,Ü,·¤BClipRecorder,Å, ,ç,©,¶,ßff[]f
^,ðfZfbfg,µ,Å,¢,é,Æ¤ACŒä,ífAfvfŠfP[fVftf",À"\,è•t,-,€ì(CTRL-V),ðŒJ,è•Ô,·¾,-,Å,·¤B'P,É"\
,è•t,-,€ì,ðs,s,¤,¾,-,Å¤A,,ç,©,¶,ßY'è,³,ê,½¤"Ô,À¤A^¶œA'è-¼¤A-{•¶,¤ZY¤X,É"\
,è•t,¤,Ü,·¤B,±,!,½,ß,É,íŽY,!,æ,¤,É'€ì,µ,Ü,·¤B

- 1) , ,ç,©,¶,ß¤A^¶œA'è-¼¤A-{•¶,ð¤A,±,!¤"Ô,ÀClipRecorder,É<L~^,µ,Ü,·('')¤B
- 2) f{f^f"¤,ð‰Y,µ,Ü,·¤Bf{f^f",í‰Y,³,ê,½,Ü,Ü,!¤ó'Ô,É,È,è,Ü,·¤B
- 3) fAfvfŠfP[fVftf",À¤A"\,è•t,-,€ì,ðs,Å,Å,,¾,³,¢¤B,·é,Æ¤AClipRecorder,íŒ»¤Y,íŒfR¤fh,¤"\
,è•t,,Æ"¬žž,É¤AClipRecorder¤
- 4) ,à,¤^ê"x"\,è•t,-,€ì,ðs,Å,Å,,¾,³,¢¤BZY,íŒfR¤fh,¤"\,è•t,¤,Ü,·¤B,±,!'€ì,ð•K—v
‰ñ¤"žÅ¤s,µ,Å,,¾,³,¢¤B
- 5) ,¤,x,Å,¡"ü—í,¤I,í,Å,½,ç¤A,à,¤^ê"x¤,ð‰Y,µ,Å,,¾,³,¢¤Bf{f^f",¤Œ³,É-ß,è,Ü,·¤B

('') ^ê'U<L~^,µ,½Œä,Å,à•À,x'Ö,!,â¤íœ,¤,Å,¤,Ü,·¤B
^È'Ô•Û'¶,µ,Å,¢,½fXfgfŒ¤fW,©,ç"Ç,Ý¤ž,p,±,Æ,à,Å,¤,Ü,·¤B,¢,-
,Å,©,ífpf^¤[f",ðfXfgfŒ¤fW,É•Û'¶,µ,Å,¢,é,Æ•Ô—~,Å,·¤B
,Ü,½¤AfefL¤Xfgftf@¤Cf<,©,ç•;¤"fŒfR¤fh,ð"Ç,Ý¤ž,p¤@"\,à•Ô—~,Éžg,!,Ü,·¤B

^ø—p<@”\,ì,È,çf[]fVfXfef€,À^ø—p•¶,ì[]i—

f[]fVfXfef€,È,C,À%A%ož“š•¶,ì’t,À^ø—p,μ,½•”•²,ðž|,·,ì,É[]s“²,É[]u> []v,ð’} “ü,·,é,±,Æ,³,æ,-,è,Ü,·[]BClipRecorder,ðžg,¤,Æ[]A,±,ê,ðž©“®“l,É[]s,¤<@”,ðž,½,È,çfVfXfef€,É,“,¢,Ä,àŠÈ’P,É,À,«,é,æ,¤,É,È,è,Ü,·[]B,» ,ì,½,ß,É,í,Ü,·,¤€”ð,Æ,μ,Ä[]A[]u[]Y’è[]v%oæ-È,É,“,¢,Ä[^ø—p•¶®Œ`],ðf’fFfbfN,μ,À,“,¢,Ä,³/4,³,¢[]BŽÝ,É^È%oº,ì’€[]i,ð[]s,¢,Ü,·[]B

- 1) fAfvfŠfP[]fVftf”,À^ø—p,μ,½,¢•”•²,ð’l,ð,μ,ÄfRfs[]((CTRL-C),μ,Ü,·[]B,±,ê,É,æ,è[]AClipRecorder,Éž©“®“l,Éžæ,è[]ž,Ü,é,Ü,·[]B
- 2) ŽÝ,É[]AClipRecorder,À[]A[]f{f^f“,(Ü,½,íf^fXfNfgfŒfC,ìf|fbfvfAfbfvf[]fj...[],ì[]®Œ`[],«[]ž,Ý,ð‰Y,μ,Ü,·[]B,±,ì’€[]i,É,æ,è[]A^ø—p•¶,ì,½,ß,ì[]®Œ`,¤ž©“®“l,É[]s,í,é,Ü,·[]B
- 3) fAfvfŠfP[]fVftf”,À“,è•t,“(CTRL-V),ð[]s,¢,Ü,·[]B

fqf”fg[]F,±,ì-Ú“l,ì,½,ß,É,í[]AžÝ,ì[]Y’è,É,μ,À,“,Æžg,¢,â,·,¢,À,μ,å,¤[]B

Ø-ìßþ°Äþžæ,è[]ž,Ý[]@[]F ž©“®
¤A’å¹·L² ^ŒÅ³”[]@[]@[]@[]@[]F 1
¤Å⁴·n⁵·ž|žž,ì⁶’u[]@[]@[]F A^{1/2},ÄU²
^ø—p•¶®Œ`[]@[]@[]@[]@[]@[]F Å⁷·,íþ⁸·½,ÉÅ⁹·,μ[]A·¶žš—ñ,ð[]u> []v,É[]Y’è,·,é[]B
ì”ÙA[]@[]@[]@[]@[]@[]@[]@[]F Text,ì,ÝÅ¹⁰·,¤A,»,ì’¼,íÅ¹¹·,,ð,í,.,·[]B
.Ü,½žÝ,ì,±,Æ,à,â,À,À,“,Æ·Ø—,À,·[]B
¤i ‘S’ì·ž|žž,ìfEfBf“fhfE·,ð“K[]Ø,É’²[]®,μ,À,“, (,±,ì·,À[]s,ì[]Ü,è•Ô,μ,¤[]s,í,é,Ü,·)[]B
¤i Windows,ìfXf^[]f[fgfAfbfv,ÉClipRecorder,ð“o~^,·,é[]B
¤i ClipRecoder,ð[]l⁻¹,·,é[]ê[]t,í[]Af^fxNfgfŒfC,Éžú—e,μ,½[]ó’Ô,Àf^fxNfgfŒfC,ìf|fbfvfAfbfvf[]fj...[],¤,ç’¼[]U[]l⁻¹,·,é (ŽÝ
‰ñ[]A^N“®,·,é,Æ,«fEfBf“fhfE,íSJ,¤,é,·,¤A’¼[]Úf^fxNfgfŒfC,Éžú—e,³,é,Ü,·)[]B

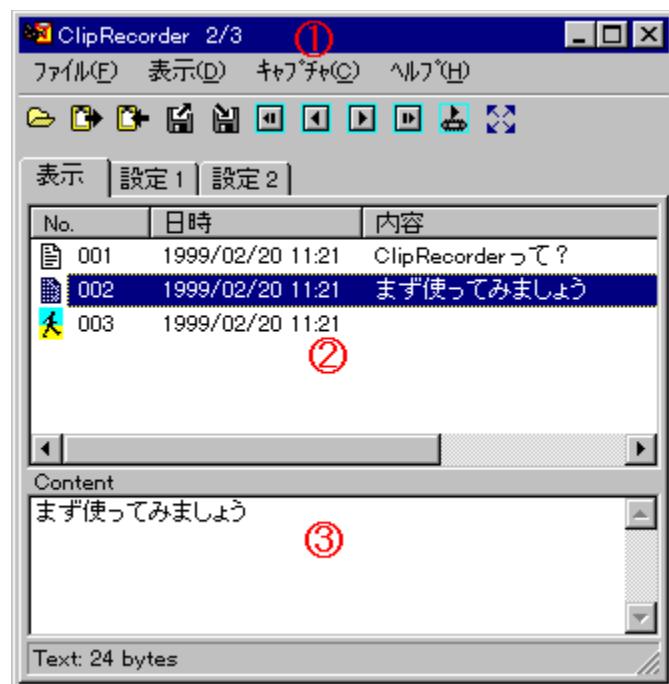
ftf@fCf<-¼,í^ê—,—,ðùì—,·,é

fGfNfXfvf[][],[f%o,,©,ç•;”],jftf@fCf<,ð'l'ð,µ,ÄAClipRecorder,í%oæ-Êä,Éfhf
‰fbfO•fhf[]fbfv,µ,Ü,·BŒ»,ê,éf]fbfvfAfbfv[]fjf...[],Å[fpfX-¼],ð'l'ð,·,é,ÆA»,ê,ç,jfpfX-¼ ^ ê
—,—,äfNfSfbfvf{][fh,É“ç,Ýž,Ü,ê,Ü,·B
,»,µ,ÄA]i“x,jfNfSfbfvf{][fh,©,çA”CÓ,]fefLfXfgfGfffBf^,â,c,n,r‘*<*,É“\\
,è•t,“,Ä,â,é,ÆAftf@fCf<-¼ ^ ê—,—,ðSÈ'P,Éùì—,Å,«,Ü,·B

,Ü,,Žg,Á,Ä,Ý,Ü,µ,å,x

,±,jfC[]f<,jfCf“fXfg[]f<,É,í‰½,à“Á•Ê,È‘€ì,í•K—v, ,è,Ü,¹,ñB’P,ÉAClipRec.exe,AClipRec.hlpA
ClipRec.cnt,ð”CÓ,ffffBfŒfNfgfS,ÉfRfs[],·,é,¾,-,Å,·B
fRfs[],µ,½,çAClipRec.exe,ðf_fuf<fnfSfbfN,µ,Á,Ý,Ü,µ,å,xB,·é,ÆA‰º},í,æ,x,È‰æ-Ê,²·
Ž,³,ê,Ü,·B,±,ê,Å,à,xClipRecorder,í“®ì,µ,Á,¢,Ü,·B

1. "CÓ,jfAfvfŠfp[]fVf#“,ÅAfRfs[]‘€ì,ðs,Á,Ä,¾,³,¢B,»,x,·é,ÆAf^fCgf<,j#®,í•”·,í•\
Ž,³,1/1('),Æ·í‰»,µA#®,í•”·,É^ês,í•\Ž,³Œ»,ê,é,i,,Å,·B
2. ,à,x^é“xfRfs[]‘€ì,ð,·,é,Æ2/2,É·í‰»,µ,Ü,·B,±,íŽž“,ÅfNfŠfbfvf{[]fh,É,íA,Q‰ñ-
Ü,ÉŽÅs,µ,½fRfs[]‘€ì,ffff[f^,³“ü,Á,Ä,¢,Ü,·B
3. ŽY,ÉAfC[]f<fo[],jf{f^“[Žè'Ó,É^Ú“®],ð‰Y,µ,Á,Ý,Ä,¾,³,¢B,»,x,·é,ÆA#®,í•\
Ž,³,1/2,Æ·í,í,è,Ü,·B,±,í,Æ,«fNfŠfbfvf{[]fh,É,íA‰,ffff[f^,³“ü,Á,Ä,¢,Ü,·B
4. fAfvfŠfp[]fVf#“,ÅA“\,è•t,-,í‘€ì,ðs,Á,Ä,Ý,Ä,¾,³,¢B,»,x,·é,ÆÅ‰,ÉfRfs[],µ,½ffff[f^,³“\
,è•t,,i,,Å,·B
5. ,»,í,Ü,©A#[],Å‰,É^Ú“®]A
[Žè'Ó,É^Ú“®]A
[ŽY,É^Ú“®]A
[Å‰,É^Ú“®],jŠef{f^“,ðŽg,Á,ÄA”CÓ,í^Ê'u,ffff[f^,ðÅŒ»,Å,«,Ü,·B
(') ·,ê,³,ê,Å,¢,éffff[f^,í“ÅA•äŽq,äŒ»ÅY,í^Ê'u,ðŽ,µ,Ü,·B



ClipRecorder, l'Á·

- i Clipboard, ï• i[], jff[f^, ð—ś—
ð, Æ, µ, Ä< L~ ^, Å, «, Ü, · BÅ'å CÆ Å“], í1, ©, ç9999, Ü, Å, ï”í^í, ÅŽw'è, Å, «, Ü, · B
□i , , c, ä, éftf H[]{f}fbfg, É”í‰ž, µ, Ä, ¢
, Ü, · Bfefjfxg AfCf[]fW, í, à, Æ, æ, è A, v, n, q, c, ä, d, w, b, d, k, È, CfAfvfSfP[]fVftf““Á—
L, jff[f^, à, », i, Z®í^•ñ, ðZ, , í, , É•Ü’¶, Å, «, Ü, · B
(‘”) “Á’é, jfvf[]fOf%øf€, É, µ, © “FŽ”, Å, «, È, ¢, æ, x, É, µ, Ä, ¢, é^é•”, jfvf
%øfCfx[]fgftfH[]f}fbfg, ð\œ, «, Ü, · B
□i fAfvfSfP[]fVftf“, i’ø[], É”A”®, µ, ½~A’±”, \, è•t, , ä, Å, «, Ü, · B, , c, ©, ¶, B< L~ ^, µ, Ä, , ¢
, ½~i[], jff[f^, ð\AfAfvfSfP[]fVftf“, i’ø[], i, Y, Å~A’±, µ, Ä”\, è•t, , c, ê, Ü, · B
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ÈfLffffv` ff<@”\, ¢}fEfXfj[]fV<, ðSÜ, ß, é<@”\]Af]fbfvfAfbfvfv]ff...
[], È, C• i[], l’èŒ` , ð\, d, È\, f, i, , é<@”\, à, , è, Ü, · B, ±, ê, È, æ, è]A’È\, i’ø[], Å, íŽæ“¾, Å, «, È, ¢%øæ-
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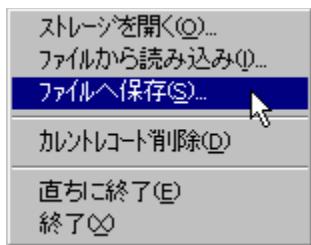
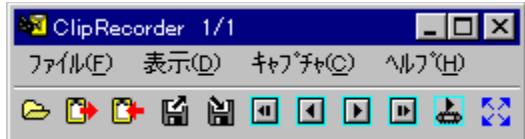
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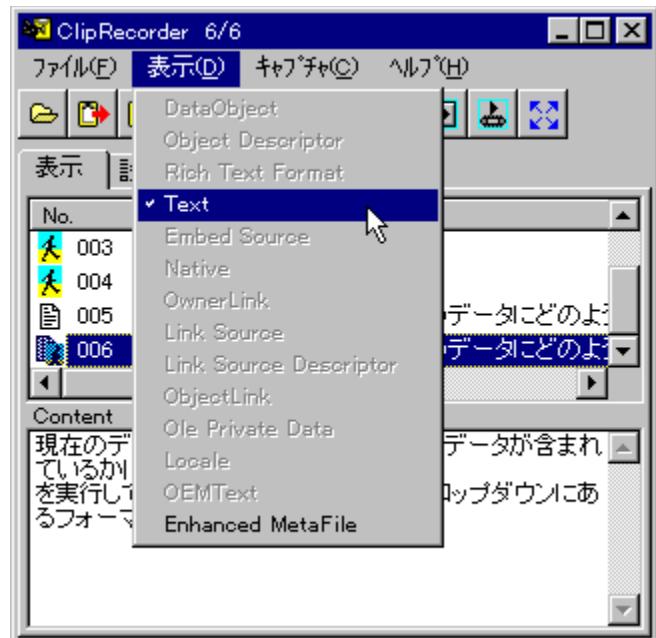
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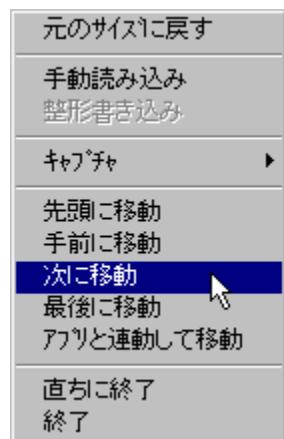
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 2) $\text{u}, \cdot, \text{i}^{1/4} \cdot \text{v}, \text{ð} \cdot \text{i} \cdot \text{ð}, \mu, \cdot \cdot \text{C} \cdot \text{A}, \text{à}, \text{x} \cdot \text{ê} \cdot \text{x} \cdot \text{u}, \cdot, \text{i}^{1/4} \cdot \text{v}, \text{ð} \cdot \text{f} \cdot \text{fX}, \text{A} \cdot \text{fNfSfbfN}, \mu, \text{Ü}, \cdot \cdot \text{B}$
 3) $\cdot, \cdot, \text{x}, \cdot, \text{é}, \text{Æ} \cdot \text{A} \cdot \text{u}, \cdot, \text{i}^{1/4} \cdot \text{v}, \text{I} \cdot \text{fefL} \cdot \text{Xfg}, \text{a} \cdot \text{O} \cdot \text{W} \cdot \text{W} \cdot \text{A} \cdot \text{I}, \text{É}, \text{È}, \text{ë}, \text{Ü}, \cdot, \text{i} \cdot \text{A}, \pm, \text{ê}, \text{ð} \cdot \text{S} \cdot \text{o} \cdot \text{-}$
 $, \text{iftfH} \cdot [\text{f}] \cdot \text{fbfg} \cdot \text{-}^{1/4}, \text{É} \cdot \text{I}, \cdot \text{S} \cdot \cdot, \text{i}, \text{Ü}, \cdot (\text{â} \cdot \text{a} \cdot \text{I} \cdot \text{Z} \cdot \text{š} \cdot \text{A} \cdot \text{I} \cdot \text{-} \cdot \text{a} \cdot \text{I} \cdot \text{Z} \cdot \text{š}, \text{ð} \cdot \text{æ} \cdot \text{E}, \mu, \text{Ü}, \cdot) \cdot \text{B}$

(‘’’)fAfvfſFp[ſfvfſf'', „^aZg, Á, Ä, ç, éftfH[ſ]fbfg-¼, í[ø]AžY, ï, æ, x, É, µ, Ä'², x, é, ±, Æ, ^a, Å, «, Ü, ·, ÕB

Ý'è, ðØ, è'Ö, |, é(, »), ï2)



-{<@"\ÍAftí[fU“o~^,³,ê,Ä,¢,È,¢íêí‡,É,ížg—p,Å,«,Ü,¹,ñíB

a) DIB fJf%oo[ž©“®•í]x

BitmapfCf[[fW,đFfLffvf`ff,μ,½,Æ,«,É]AŽ©“®,Åfjf%o[],đ•í]X,·,é,©,Ç,¤,©,đŽw'è,μ,Ü,·]B
'Û^Ó),±,í]Y'è,đ]u•ÍS·,μ,È,¢]v^ÈŠO,É,μ,Ä,¢
,Ä]A,©,ÅfNfŠfbfvf{][fh,ÉfRfs[],μ,½ff][f^,ÉDIBŒ`Ž®,ìff][f^,‡, ,Á,½]ê‡ADIBff][f
^,Í,Y,äŽæ,é]ž,Ü,é,Ü,·]B'¼,IŒ`Ž®,ìff][f^,í‐ž,Ü,é,Ü,(Žæ,é]ž,Ü,é,Ü,†,ñ)]B

b) JPEG

frfbfgf}fbfvfCfP[fW,ðŠO•"ftf@fCf<,Ö•Ü'¶,·,é•ê•‡AJPEG,É•ïŠ·,μ,Ä•Ü'¶,·,é,±,Æ,·,Å,«,Ü,·B,±,±,Å,»,ì•ê•‡,ìfpf%o fP[f^,ð•Ý'è,Å,«,Ü,·B
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 1□ 100,ì"íí,ì'l,ðŽw'è,Å,«,Ü,·B'1,‡'å,«,¢,Ù,C‰œŽ{,í—C,È,è,Ü,·,‡fTfCfY,‡'å,«,-,È,è,Ü,·B
□i fOfŒfCfXfP[f<
 ,±,ê,Éf'fFfbfN,μ,Ä,¢,é,Æ256ŠK'²,ìfOfŒ[fXfP[f<,É•ïŠ·,μ,Ü,·B
□i fvfvfOfŒfbfVfujJPEG
 ,±,ê,Éf'fFfbfN,μ,Ä,¢,é,ÆfCfP[fW,ð•iŠK"l,É•\Ž|,Å,«,é,æ,¤,È^³k•ù-@,Å•Ü'¶,μ,Ü,·B

c) fLffffvf` ffŽžAŠg'å‰œ-Ê,ð•\Ž|,·,é

fXfgfCE|[fW,ðŠJ,

• i",jfNfŠfbfvf{[fhff][f^,ð,Ü,Æ,B,Ä^ê,Â,]ftf@fCf<,É•Ü'¶,·,é,±,Æ,à,Å,«,Ü,·,B,±,ê,ðfXfgfCE|[fW,ÆŒ³/4,¢,Ü,·,BfXfgfCE|[fW,É•Ü'¶,·,é,±,Æ,Å,Afpf
fRf",i"dŒ¹,ðŒØ,Á,½Œä,Å,à•Ü'¶,µ,Ä,·,Ü,·,B
f,fjf...[],i**|ftf@fCf< - fXfgfCE|[fW,ðŠJ,]**
,ðŽÅs,·,é,Æ,À,Ä^É'O,É•Ü'¶,µ,½fXfgfCE|[fW,ð"Ç,Ýo,µ,Ä,ì,Æ,ð,ÄŠJ,Å,«,Ü,·,B,½,¾,µ,AfXfgfCE|[
fW,ðŠJ,±,¤,Æ,µ,½žžÅŠù,ÉClipRecorder,É'¼,iff][f^,²'¶Ý,µ,½,ê,í,»,ê,ð,Ü,„fNf|[fY,·,é,±,
,Æ,²,„K—v,Å,·,B

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‰fbfO@•fhf@fbfv,μ,Ü,·@B

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¶ÚYÄUººÄþ@í@œ],ðŽA@s,μ,Ü,·@B

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('') [ftf@fCf< - fXfgfCE[fW,ðŠJ,]fRf}f“fh,ÅŠù'¶,]fXfgfCE[fW,ðŠJ,¢,Ä‘€ì,μ,Ä,¢,½ê‡,É,íŽ‡-â,³,ê,Ü,¹,ñB í,É•Ü'¶,³,ê,Ü,·B

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[]i f[]ff...[],ì[ftf@fCf< - ftf@fCf<,©,ç“Ç,Ýż,Ý]

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fhf[]fbfvŽż,ÉŒ»,ê,éf]fbfvfAfbfvf[]fj...[],Å]Aftf@fCf<,ì“à—e,©]AfpfX-
½,Ü,½,ÍEXE,âDLLftf@fCf<,ÉŠÜ,Ü,ê,éfAfCfRf“,©,ð'l'ð,Å,«,Ü,·B

ŽŶ,ìŒ`Ž®,ìftf@fCf<,ð“Ç,Ýż,þ,±,Æ,ª,Å,«,Ü,·B

a) fefLfXfg (Šg'£Žq,ª‰º<L^ÉŠO,ì,Æ,«)

b) frfbfgf}fbfv (Šg'£Žq,ª.bmp,ì,Æ,«)

c) f[]f^ftf@fCf< (Šg'£Žq,ª.wmf,ì,Æ,«)

d) fGf“fnf“fxfg f[]f^ftf@fCf< (Šg'£Žq,ª.emf,ì,Æ,«)

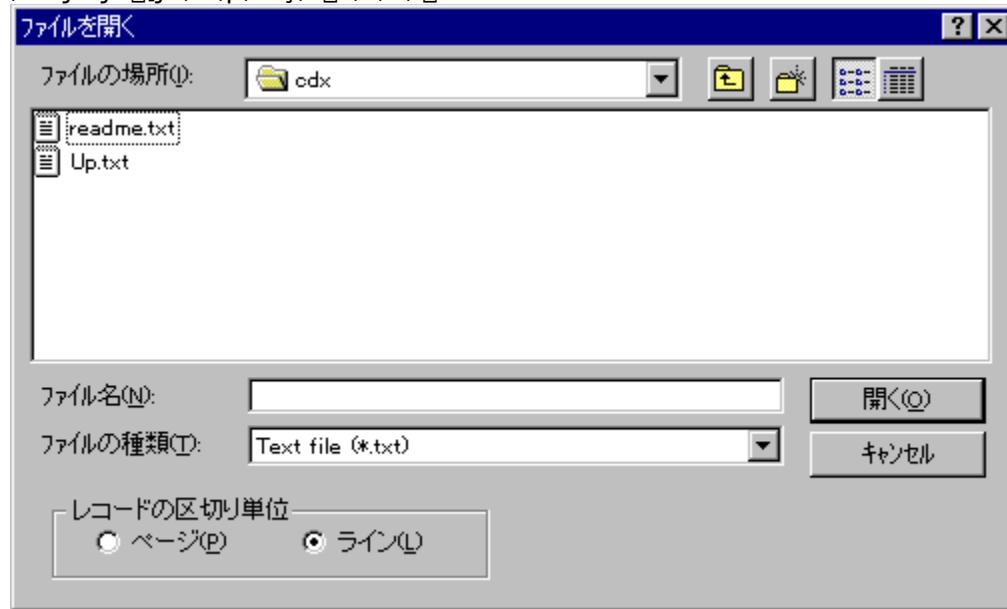
ŠO•"ftf@fCf<,É•Ü'¶,·,é

¶f{f^f“,Ü,½,íf]fj...[],í[**ftf@fCf< - ftf@fCf<,Ö•Ü'¶]**
Å]AC»]YfNfSfbfvf{][fh,É,éff][f^,ðSO•"ftf@fCf<,É•Ü'¶,Å,«,Ü,·]B•Ü'¶,Å,«,é,í,P]f,EfefLfxfg,
Æfrfbfgf}fbfv(.bmp)Af]f^ftf@fCf<(.wmf)AfGf“fnf“fxfg f]f^ftf@fCf<(.emf)
,í,Y,Å,·]B,»,í'¼,íftfH][f}fbfg,í•Ü'¶,í,Å,«,Ü,¹,ñ]B

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,í,½,ß,É,íž-'O,ÉJPEG,ífp%of]f][f^,í]Y'è,ð]s,Á,Á,“,¢,Á,,¾,³,¢]B,»,µ,Á]A]u-
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þ,É]uJPEG(*.jpg)]v,ð'!ð,µ]AŠg'fZq,³.jpg,É,É,é,æ,¤,É,µ,Ä,,¾,³,¢]B

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• i”s, Ü, ÿ, í• i”fy[fW, ©, ç, È, éfefLfXfgftf@fCf<, ðA• i”,]fŒfR[fh, Æ, µ, Ä“Ç, Ý]ž, þ, ±, Æ, ª, Å, «, Ü, ·B
fŒfj...[.íLftf@fCf< - fefLfXfgfŒfR[fh“Ç, Ý]ž, Ý], ðZÀs, ; é, ÆAŽY, jf_fCfAfŒfO, ªŒ», ê, Ü, ·B
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, é, ÆASe[s, ð^éfŒfR[fh, Æ, µ, Ä“Ç, Ý]ž, Ý, Ü, ·B]ufy[fW]v, ðf`fFfbfN, µ, Ä, ç
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, ð^éfŒfR[fh, Æ, µ, Ä“Ç, Ý]ž, Ý, Ü, ·B



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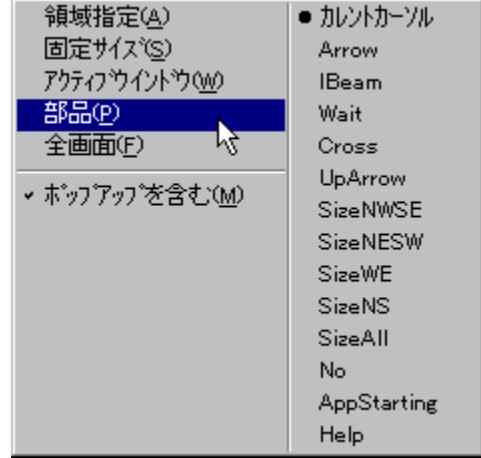
—l^æžw'è

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—l^æžw'è

ŽŶ, l'€lì, Åf}fEfX, Å"l^í, ðžw'è, ·, é, ±, Æ, É, æ, è" C^Ó, l_kéŒ` —l^æ, ðžæ, èlž, ß, Ü, ·lB
1) fllfj...l, lA[·-lBÁ- - —l^æžw'è], ðžÀls, μ, Ü, ·lB, ±, l, Æ, «fEfBf“fhfE, aÅl-‰», μ, Ü, ·lB
2) f}fEfX, aZšŒ` , É, È, Ü, ·, l, ÅlA]Ø, èžæ, è, ½, f-l^æ, l^é, Å, l_k÷, É^U“®, μ, Äl\Pf{f^f“, ð
‰Y, μ, Ü, ·lB
3) l\Pf{f^f“, ð‰Y, μ, ½, Ü, Ü, à, x•D•ù, l_k÷, Éfhf‰fbfO, μ, Äf{f^f“, ð-f, μ, Ü, ·lB

fLl[f{llfh, l-^ófl[l, É, æ, èlA”÷’²l® , a, Å, «, Ü, ·lB
lY’è‰æ-Ê, l [fllffvf` ffžžlAŠg’‰æ-Ê, ð•lžl], lY’è, É, æ, èlAŠg’‰æ-Ê, l•lžl/”ñ•l
žl, ðlØ, è'Ö, l, ç, ê, Ü, ·lB

CEA'èfTfCfy

ŽŶ,ì'€[]í,ÅŽw'è,µ,½fTfCfY,í^éŒ`—ì[^]æ,ðŽæ,è[]ž,ß,Ü,·[]B

- 1) f_Åfj...[], l_ÅA[- ñ ßA - - C_Å'è»^{2/2}b], ð_ÅÅ[s, μ, Ü, -B
 2) fTfCfY, ð-â, ç[]í, í, éf_fCfAf[]fOf{fbfNfX, áS], «, Ü, ·, i, Å[A•[], AE[], , , ðfsfNfZf<'P^E, Å"ü—
 í, μ, Ü, ·B
 3) Žw'èfTfCfY, l~g, ^a•\Ž|, ^ê, Ü, ·, i, Å[A, », ê, ðf]fEfX, ÅSó-]
 , l^E'u, É'U"®, μ, Ä, ©, ç[]¶f{f^f~, ðfNfŠfbfN, μ, Ü, ·BfL[f{[]fh, l-
 ^ófL[], É, æ, èoA"÷'2[]®, , Ä, «, Ü, ·B

Ý'è‰œ-Ê,í [f]ffffv` ffžž AŠg'‰œ-Ê,ð•\ž|] ,í Ý'è,É,æ,è AŠg'‰œ-Ê,í•\ž|/"ñ•\ž|,ðØ,è'Ö,!,ç,ê,Ü,· B

fAfNfefBfufEfBf“fhfE^‘S‰æ-Ê

fAfNfefBfufEfBf“fhfE, í'Êí, í Alt + PrintScreen

fL[,] ÅfNfSfbfvf{[]fh, ÉŽæ, èž, Ý, Ü, ·B, μ, ©, μAfhf[]fbfvf_fEf“f[]ff...[], âf|fbfvfAfbfvf[]ff...[], ð•\ Ž, μ, ½ó'Ô, i‰æ-Ê, íAAAltfl[], ð‰Ý, μ, ½uŠO, ÉÁ, i, Ä, μ, Ü, x, i, ÅA, ±, i•ú-

@, Å, íŽæ, èž, ß, Ü, , nB

ClipRecorder, l'x‰,, fLffffv`ff<@"\, Å, íAŽwŽ, μ, Å^é'eŽzŠÓ'Ò, Å, Ä, ©, cŽÅU, iŽæ, èž, Ý, ðs, x, ½, ßAæ, i, æ, x, ð‰æ-Ê, àŽæ, èž, b, ±, Æ, a, Å, «, Ü, ·B, ±, i, ½, ß, É, íŽY, i, æ, x, É'€ì, μ, Å, , ¾, ³, fB

1) f[]ff...[], iA[·-iBÁ- - ±, Å"ip³²YÄp³], ðZÅs, μ, Ü, ·B

2) iUfAfvfSfP[fVftf“, ðfAfNfefBfu, É, μA·Ž, μ, ½, cfhf[]fbfvf_fEf“f[]ff...[], âf|fbfvf[]ff...[], ð•\ Ž, μ, ½ó'Ô, É, μ, Ü, ·B

3) , T•bŠÓ'Ò, Å, ÄAfx<, a-Å, Å, ½, cŽæ, èž, ŶI—¹, Å, ·B

, Ü, ½, íA€"õ, a, Å, «, ½, c'¼, , ÉPrintScreenfL[], ð‰Ý, μ, Å, à\, f, Ü, , nB, ±, iê‡AAAltfl[], i•s—v, Å, ·B

'Ò, iŽzŠÓ, i, T•b, i•iX, Å, «, Ü, ·B Ŷè, ðØ, è'Ö, i, é, ðŽQÆ, μ, Å, , ¾, ³, fB

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,¾,³,¢[]B,Ü,½,í€"ö,ä,Â,«,½,c'¼,¿,ÉPrintScreenfL[],ð‰Ŷ,µ,Ä,à\,¢,Ü,¹,ñ[]B
'Ô,žžŠÓ,ì,T•b,í[]X,Â,«,Ü,·[]B[]Ý`è,ð[]Ø,è'Ö,ìé,ðŽQ[]Æ,µ,Ä,,¾,³,¢[]B

f|fbfvfAfbfv



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,È,Ç,ð•\ž|,³,¹,½|ê|‡|A,»|,é,²Œ³,|fEfBj“fhfE,|SO’¤,É,Í,Ý|o,é,±,Æ,²,|è,Ü,·|B,»|,í,æ,¤,
,È|ê|‡,É’|É|í,|fLffffvf`ff,ð|s,¤,Æ|A,Í,Ý|o,½•”•²,|¤|í,ç,ê,Ä,µ,Ü,ç,Ü,·|Bf|ff...|l[|·→|ßÁ→ -
|ß|ß±|ß|‡|→],Éf`fFfbfN,µ,½|ó|Ó,Å|AfAfNefBfufEfBj“fhfE,Ü,½,í•”•|i,|fLffffvf`ff,ð|s,¤,Æ|Af|
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□ $\vdash^{-1}, \cdot, \epsilon$

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¹,Å,«,Ü,·□BfXfgfCE□[fW,É•ÜŠC,μ,Ä,„,Æ□AŽÝ‰oň<N“®,μ,½,Æ,«,É[fXfgfCE□[fW,ðŠJ,]
,É,æ,Á,Ä|Ä“x—~—p,Å,«,Ü,·□B
[¹¼,ž,É□|—1,·,é],ðŽÀ□s,·,é,AÆ□AfXfgfCE□[fW,Ö,ì•ÜŠC,í□s,í,¹¼,ž,É□|—1,μ,Ü,·□B

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fGfNfXfvf[fo, ©, çClipRecorder, ï‰æ-Ê, Éfhf%fbfbfO・fhf・fbfv, ·, é, Åf|fbfvfAfbfv|jjf...
[], ªŒ», í, ê|AŽY, i, ±, Æ, ª, Å, «, Ü, ·B

ftf@fCf<-½, ð“Ç, Y|ž, p

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fGfNfXfvf[]][f%o, ©, çEXE, Ü, ½, íDLLftf@fCf<, ðClipRecorder, l‰œ-Ê, Éfhf‰fbfbfO[]•fhf[]fbfv, µ[]Af|fbfvfAfbfvf[]fjf...[], Å[±²ºÝ], ð'l'ð, ·, é, Æ[]A, », lEXE, Ü, ½, íDLLftf@fCf<, ÉŠÜ, Ü, ê, Å, ¢, éfAfCfRf“, ðŽæ, è[]o, ·, ±, Æ, ², Å, «, Ü, ·[]B

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'—<à,í‰‰ºL‡@`‡C,ì,‡,ê,©,Å,“Šè,‡,µ,Ü,·B”Ü<à,ðŠm”F,µ,Ü,·,Æ‡A”o~^ID,ð,“—
,è,µ,Ü,·B”o~^ID,‡í,«,Ü,µ,½,c‡Af‡fj...‡,í[fwf<fv - ft‡[fU”o~^],©,c‡A, ,È,½,ì,“-
½’O,O,Æ”o~^ID,ð“ü—í,µ,Å,¾,³,‡B
,È,“A^ê”x'—<à”o~^,µ,Ü,·,Æ‡A,»,ê~È~_,ífo‡[fWf‡f”fAfbfv,Å,í‡Aft‡@fCf<,ðfCf”fXfg‡[f:,µ,Å,¢
,½,¾,¾,·,Å‡A‡Å”x‡A'—<à”E”o~^,µ,Å,¢,½,¾,•K—v,í, ,è,Ü,¹,ñ‡B

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#AVECTORfvfFfAfŒfw,É,æ,é'—à

fCf“f^”[flfbfg,ÉfaFNFzF,Å,«,é·û,Å,„é,íAVECTORfFfAfŒfW(<http://www.vector.co.jp>),É,æ,é’—[å](#),Å,«,Ü,„BfVfFfAfŒfW”Ô†,ísr004496Å<äŠz,í1000‰~Å,„B

#B NET-U,É,æ,é'—<à

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‡C—X•Ö,É,æ,é“o˜^

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'~íŒ ,É,Â,¢,Ã

-{fvfŒfOf‰f€,íŒADelphi 3.1J,ÃŠJ”,µ,Ü,µ,½ŒBŠJ”,É, ,½,èŒANifty-Serve,íFDELPHI
‰oï<cŽº,É,í‘•í,“Œ~b,É,È,è,Ü,µ,½ŒB,±,±,ÉŒä—çŒ\,µŒã,°,Ü,·ŒB

ŠJ”ŠÂ««

“¼f\ftfgfEfFfA,ÌØÐ‰oî

1. Triple-9 for Windows

fAfvfSfP[]fVftf”, l’€Ùì, ðŽ© “®‰», ,éfc[]f<, ÅÅAŽY, l’Á·, a, ,è, Ü, ·ØB
[]i, ,Ù, Ä, ñ, C, l’€Ùì(fL[]f{f{fh[]^f}fEfX’€ÙìAf[]fj...[]l’l’ðAf{f^f”€Ùì), ðfVf~f...
fC[]fg, Å, «, Ü, ·ØB
[]; Pascal, ÉÙ€, ¶, ½<—Í, ËfXfNfŠfvfgŒ³/Œé, ð”ò, |, Ä, ç, Ü, ·ØB
[]; fGfffBfbfgfRf“fgf[]f<, åf`fFfbfNf{fbfNfX, È, Ç, l’SefRf“fgf[]f<, l’ó’Ô, ð’², x, ½, è, AØY’è, µ, ½,
è, Å, «, Ü, ·ØB
[]; %œ-ÈfCf[]fW, ð•Û’¶, µ, ½, è, äSr, µ, ½, è, Å, «, Ü, ·ØB
[]; “ÆŽ©, ÉDLL, ðÙìØ¬, µ, Ä<@”\, ðŠg’f, ,é, ±, ÄE, a, Å, «, Ü, ·ØB
[]; DDE, É, æ, è, ’¼, l’AfvfSfP[]fVftf”, ÄE’ÈØM, Å, «, Ü, ·ØB
fAfvfSfP[]fVftf”, l’€Ùì, l’ZwZl, l’AŽAØÙ, l’€Ùì, ð<L~^, ,é, ±
, ÄE, ÅŠE’P, ÉÙìØ¬, Å, «, Ü, ·ØB, » , è, ðŒ³, ÉPascal, ÉÙ€, ¶, ½<—Í, ËfXfNfŠfvfgŒ³/Œé, Å•ÒØW, ,é, ±
, ÄE, É, æ, è, AØ<ä, B, ÄÙ, “l’«, l’,, f<Lq, a, Å, «, Ü, ·ØB
P, ÈZ© “®ŽÀÙs, ,é, ¾, ,Ù, Ä, È, l’AfAfvfSfP[]fVftf”, l’ó’Ô, ðŠm”F, µ, È, a, ç, «, B, ±, Ü, ©, -
Ø\$Œä, Å, «, Ü, ·ØB, ½, ÄE, l, l’AfGfffBfbfgfRf“fgf[]f<, l’fefLfxfg, ðŽæ“¾, µ, ½, è, AØf
%ofWflf{f^f”, l’ó’Ô, ð’², x, A, » , l’à—e, É, æ, Á, Ä, » , l’Œä, l’~—
[], ð•l, l, éØAŒxØfØfbfZØ[fW, ðØo, ·ØAfØfOftf@fCf<, ÈØ’, «Øž, p, È, Ç, ÄE, ç, Á, ½, ±, ÄE, a, Å, «, Ü, ·ØB, ±
, è, ç, l<@”\, ð—~—p, µ, ÄØAfAfvfSfP[]fVftf”, l’èŒ^“l, È’€Ùì, àfefXfg, ðŽ© “®‰», ,é<—
l’Èfc[]f<, ÄE, µ, Ä—~—p, Å, «, Ü, ·ØB
ØŠØÝ: Nifty-serve FWINAC Lib 3@Ø@Ø@fVfFfAØEfFfA
<http://www.vector.co.jp/authors/VA003525/>

2. Triple-9 Lite@Ø@fVfFfAØEfFfA

Triple-9 for Windows, l’í•a, È, ,½, éfjftfg, ÅÅA<@”\, ðØi, Å, ½•af‰of”f`ffØl, l’@”\, ð•t
‰Å, µ, Ä“úÙí, l, ±, Ü, ,Ü, µ, ½, €Ùì, ðŽ© “®‰», ,éfc[]f<, ÄE, µ, ÄZg, ç, ,µ, Ü, µ, ½ØB
“A’è, l’fEfBf“fhfE, a•Žl, ,é, ½, çŽ© “®N”®, ,é, ç, l’zfbfgfLØ[ØAf[]fj...[]l’l’ð, Å, ,ç, ©, ¶, ß“o~^,
µ, Ä, ,ç, ½, fXfNfŠfvfg, ðŽÀÙs, ,é, ±, ÄE, a, Å, «, Ü, ·ØB
ØŠØÝ: Nifty-serve FWINAC Lib 3
<http://www.vector.co.jp/authors/VA003525/>

3. Triple-9 (MS-DOS”Å)

MS-DOS”Å, l’Triple-9, Å, ·ØBWindows”Å“—l’AfAfvfSfP[]fVftf”, l’Ž© “®ŽÀÙs, ð<—
l’ÈfXfNfŠfvfgŒ³/Œé, ÅŽx‰ø, µ, Ü, ·ØB
ØŠØÝ: Nifty-serve FGALTLB Lib 9, @Ø@Ø@ftfŠØ[fjftfg
<http://www.vector.co.jp/authors/VA003525/>

4. eXeScope@Ø@fVfFfAØEfFfA

Øo—^Ø‡, ç, l’fftfg, ðŽg, Å, Ä, ç, ÄØA
‰opŒéfØffj...Ø[, ð“ú-{Œé, È, ,éØA, à, Å, ÄE’å, «, ÈftfHf”fg, ÅŒ©, å, ,é, éØAfLØ[, l’S,, è“-
, Ä, ð•lØX, ,éØA”™ ØXØAŽ© •a—p, Èfjfxf^f}fCfY, Å, «, ½, ç, ÈØA, ¾, ,çfØ[fX, a, È, ç, ©, ç•s
‰Å”®, ¾, ÈØcØcØcØB
, È, ñ, ÄZv, Å, ½, ±, ÄE, l, ,è, Ü, ,ñ, ©ØB
eXeScope, l’EXE, àDLL, l’ŽÀÙsftf@fCf<, ,é, l’ØA, » , è, ð‰øí, µØAŠeŽífŠfØ[fX, l’•\
ŽØA’ŠØo, åØA, È, ñ, ÄEØ’, «S, ,Ü, Å, «, Ä, µ, Ü, àfc[]f<, Å, ·ØB
ØŠØÝ: Nifty-serve FWINAL Lib 6
<http://www.vector.co.jp/authors/VA003525/>

5. DOS’, ÄChangeDirectory@Ø@ftfŠØ[fjftfg

Windows, l’DOS’, ÅØAffffBfŒfNfgfŠ^U”®, ðŠy, È, ,éfc[]f<, Å, ·ØB
DOS’, l’t, ©, çØucdxØv, Ä“ü, è, ½ŒäØAEnterfLØ[, ð“ü—

í,·,é,ÆŒAffffBfŒfNfgfŠ'ł,ł,łf_fCfAfłfOf{fbfNfX,ąšJ,«,Ü,·łB,±,±,Åšó-]
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łšłY: Nifty-serve FWINAC Lib 9
<http://www.vector.co.jp/authors/VA003525/>

