

16 frfbfg

^è"x,É 16 frfbfg, ,.Â,ìff[]f^,ð^—□,·,éfn[]fhfEfFfA,Ü,½,í\ftfgfEfFfA,ìŽd—l,ðŽw,·—
pCEè□BWindows ŠÂ««,Å" @□ì,μ'P^è,ìf[]f,š—e—É,ð<α—L,·,é 16

frfbfgfAfvfŠfP□[]fvf#f",ífvfCfGf"fvfefBfuf}f<f`f^fXfN□^—□,ª,Å,«,Ü,¹,ñ□B

16 frfbfg CPU ,ìff[]f^,ð 16 frfbfg,ìfOf<□[]fv'P^Ê,Å^μ,ì,é,æ,α,É 16

frfbfg"à•"fCfWfXf^,ð"à' ,μ,Ü,·□B16 frfbfgff□[]f^fofX ,í^Ü,È,éVfXfef€fRf"f[]fif"fgŠÔ,Åff□[]f^,ð

16 frfbfg,ìfOf<□[]fv'P^Ê,Å"]'—,Å,«,Ü,·□B16 frfbfgf[]f,šfAfhfCfXfofX,ª, ,é,ÆfRf"fsf...□[]f^,í 64KB
,ìf[]f,š,ð'¼□ÚfAfNfZfX,Å,«,Ü,·□B16 frfbfg,Å•\,¹,é□Å'å'l,í-ñ 64000 ,¾,© ,ç,Å,·□B

32 frfbfg

^è"x,É 32 frfbfg, ,Â,ìff□[f^,ð□^—□,·,éfn□[fhfEjFfA,Ü,½,í\ftfgfEjFfA,ìŽd—l,ðŽw,·—pCEê□B32 frfbfg,ìfAfvfŠfP□[fvf†f",í^è"Ê,É 16 frfbfg,ìfAfvfŠfP□[fvf†f",æ,è,à□^—□'—"x,Æf□f,fŠ,ìŠÇ—□,ì"_,Å —D,è,Å,ç,Ü,·□B

32 frfbfg CPU ,ìff□[f^,ð 32 frfbfg,ìfOf<□[fv'P^Ê,Å^μ,ì,é,æ,α,É 32 frfbfg"à" fCEfWfXf^,ð"à' ,μ,Ü,·□B32 frfbfgff□[f^fofX ,í^Ü,È,éVfXfef€fRf"f□[fif"fgŠÔ,Åff□[f^,ð 32 frfbfg,ìfOf<□[fv'P^Ê,Å"]'—,Å,«,Ü,·□B32 frfbfgff□f,šfAfhfCEfXfofX,ª, ,é,ÆfRf"fsf...□[f^,í 4GB ^È□ã,ìf□f,fŠ,ð'¼□ÚfAfNjZfX,Å,«,Ü,·□B32 frfbfg,Å·\,¹,é□Å'å'l,í-ñ 4300.000 ,¾,©,ç,Å,·□B □Å<β,ì Windows ,ì,Ü,Æ,ñ,Ç,í□Å□V,ì 32 frfbfg CPU ,ðŠ^,©,¹,é 32 frfbfgfIfyfCE□[fefBf"fofVfXfef€ ,Å,·□B

fAfNfZf%ofCE[f^fL

fjfj...[fRf}f"fh,ðŽÀs,·,é,½,ß,É%öÿ,·fL[B

fAfNfZf%ofCE[f^fL[,Ífjff...[[-Ú-¼,ìCEã,ÉfjfbfR,É"ü,Á,½%öü•t,«,ì%öpŽš,Å\
,³,è,Ü,·Bfjff...[fo[,É, ,éfjff...[[-Ú,ìè±AfAfNfZf%ofCE[f^fL[,ð%öÿ,·'O,É Alt fL[,ð
%öÿ,·K-v,ª, ,è,Ü,·Bfjff...[fo[,©,çhföfbfvf_fEj"fjff...[·ª\Ž|,³,è,½,çAfAfNfZf
%ofCE[f^fL[,ð%öÿ,·,¾,¯,Åfjff...[fjfvjvfj",ðŽÀs,Å,«,Ü,·B,½,Æ,|,îAAIt{F,ð
%öÿ,·,Æftf@fCf·fjff...[·ª\Ž|,³,è,Ü,·B,ç,Á,½,ñ,»,Ífjff...[·ª\Ž|,³,è,½,çA[i"x,ì%öpŽš,ì O
,ÍfL[,ð%öÿ,·,¾,¯,ÅAf}fEfX,ÅmŠJ,(O)n,ð'l'ð,·,é,ì,Æ"-,¶CE<%öÊ,É,È,è,Ü,·B

fAfNfefBfufEfBf“fhfE

Œ»Ÿ'ı'đ,μ,Ä,ç,éEfBf“fhfE□B,Ù,©,İEfBf“fhfE,ı'Ō-Ê,É•\
Žı,³,ê,Û,·□B'Êı□AfAfNfefBfufEfBf“fhfE,İf^fCfɡf<fo□[,Í,Û,©,Æ^Ù,È,é□F (ffftfHf<fg,Å,ı□Å)
,Û,½,Í<P“x,Å•Žı,³,ê,é,İ,ÅAfNfefBfu,Å,È,çEfBf“fhfE,ÆŒ©•ª,ª,Å,«,Û,·□B

ANSI • ŽšfZfbfg

ANSI , í American National Standards Institute (•Ä'KŠi<|%öï) , ì—
ª, ÅA•Ä', ì•W€<KŠi, ðš'è, , é<@ŠÖ, Ü, ½, í, » , ì<@ŠÖ,ªš'è, µ, ½<KŠi, Å, ·B“ú- {, ì JIS , É‘Š“-
, µ, Ü, ·BANSI •ŽšfZfbfg, ì•W€ [ASCII](#) •ŽšfZfbfg, ìã^ÊfZfbfg, Å, ·B

API

Application Programming Interface ,i—ªB“Á’è,ì<@”\

,ðŽÄs,·,é,Æ,«,ÉŽg,í,ê,é<ª’Ê,ìŠÖ” ,ÆfTfuf<[f`f” ,ìW#BMicrosoft ,É,Í Windows

APIAWin32APIAOLE APIAMAPIATelephony API ,ðŠÜ,ß,Ä,ç,,Â,©,ì API ,ª, ,è,Ü,·B

fAfvfŠfP[fVf+f“fEfBf“fhfE

fAfvfŠfP[fVf+f“, ì ì < Æ — ì ^ æ, Æ, μ, Ä — p ^ Ó, ³, ê, é [fEfBf“fhfE](#) B

fA[fjfcfu'®«

,±,ìftf@fCf<'®«,Í'O%oñ,ÉfofbfNfAfbfv,ðïï¬,μ,Ä,©,ç•ïX,ª, ,Á,½ftf@fCf<,ðŽ~•É,·,é,½,β,ÉŽg,í,
ê,Û,·BfA[fjfcfu'®«,ìfrfbfg,ìftf@fCf<,ª%½,©,ì•ù-
@,ÅC³,³,ê,é,Æftf@fCf<,ìffBfCfNfgfŠfGf“fgfŠ†,Å 1 ,ÉY'è,³,ê,Û,·BfA[fjfcfu'®«,ìfrfbfg,í 0
ftf@fCf<,ìfofbfNfAfbfv,ìïï¬-Ĉã,ÉfA[fjfcfu'ftfgfEjfA,É,æ,Á,Ä 0 ,É-β,è,Û,·B

fAfZf“fuf%CE¾CEè

'á...€ ,íRf“fsf... [f^fvf[]fOf%of€CE¾CEè B,Ç,ì-½—B,à'P^è,ì<@ŠBCEè-½—B,É'Í
%ž,μ,Ü,·BfAfZf“fuf%CE¾CEè,Å[]',ç,½fvf[]fOf%of€ ,Í C ,Ü,½,Í BASIC ,É,Ç,ì[],...€CE¾CEè,Å[]',ç
,½fvf[]fOf%of€ ,æ,è,à^è”É,É[],'¬,Å,·B CPU ,ìŽí—p,ª^U,É,é,Æ%žŽB,·é<@ŠBCEè-½—
B,ª^U,É,é,ì,Å[]A1 ,Å,ì<@Ží,íRf“fsf... [f^,½,B,É[]',©,è,½fAfZf“fuf%CE¾CEè,ífvf[]fOf%of€
,đ^U,É,é<@Ží,íRf“fsf... [f^,ŽŽ[]s,·,é,É,ífvf[]fOf%of€,đ[]',«¼,·K—v,ª ,è,Ü,·B

"ň"~Šú

f^fCf}[][, ©,ç"Æ—š,μ,Äi□s,·,é'€□□B,½,Æ,i,î□Af,fff€,δ'Ê,μ,Ä,ì"ň"~Šú'Ê□M,Åf,fff€,í'—
□M,²,Æ,ÌŠŽn□M□t,Æ□l—¹□M□t (fXf^□[fgfrfbfg,ÆfXfgfbfvfrfbfg) ,ÉŠî,Ä,č
,Äff□[f^ÆđŠ,ì•à'²,đ,Æ,è,Û,·□B

Ž“®f}fEf“fg

fffBfXfN,đ³□k,μ,½ê□#□AfffBfXfN,É“ü,Á,Ä,ç,éftf@fCf<,í^ê□□,É^3□k,³ê□u^3□kf{fŠf...
□[f€□v,ÆCEÄ,î,ê,é“Á•Ê,ì%°B,μftf@fCf<,Æ,μ,ÄŠi”[,³ê,Ü,·□B^3□kf{fŠf...□[f€,^af}fEf“fg,³ê,Ä,ç,È,ç
,Æ,«,í□A’P,ÉfzfXfgfhf%ofCfu□ă,í’ă,«,ç%°B,μftf@fCf<,Æ,μ,Ä•\Ž|,³ê,Ü,·□B^3□kf{fŠf...□[f€
,^af}fEf“fg,³ê,é,Æ□AflfyfCE□[fefBf“fOjVfXfef€,í,±,ê,đ³□kfffBfXfN,Æ”FŽ⁻,μ,Ä□A^{fzfXfgfhf}
%ofCfu,©,ç“Æ—š,μ,½•Ê,ìfffBfXfN,Æ,μ,Ä^μ,ç,Ü,·□B
^3□kf{fŠf...□[f€,đŽ“®“l,Éf}fEf“fg,·,é,æ,π,ÉfVfXfef€,ª□Ý’è,³ê,Ä,ç
,é□ê□#□A^3□k,³ê,½ftf□fbfs□[fffBfXfN,íŽ“®“l,É”FŽ⁻,³ê□AfffBfXfNfhf
%ofCfu,É’}“ü,·,é,Æf}fEf“fg,³ê,Ü,·□B

AUTOEXEC.BAT

Windows 98/Me: fRf“fsf...[]f^,^N“®,. ,é,ÆŽ©“®“I,ÉŽÀ[]s,^,é,fRf}f“fh,^“ü,Á,Ä,ç
,é,fofbf`ftf@fCf[]B’É[]í[]AAUTOEXEC.BAT ,ifRf}f“fh,Í PATH ŠÁ««•í[]” ,đ[]Y’è,μ[]ADOS
fvf[]f“fvfg,İŠOŠİ,đCE^’è,μ[]ATSR ,đŠJŽn,μ[]AfRf“fsf...[]f^,í<N“®Žž,ÉŽÀ[]s,μ,È, ,è,Î,È,ç,È,ç
,>,í^1/4,İfvf[]fOf%of€,đŽÀ[]s,μ,Ü,·[]B

fofbfNfOf%ofEf“fh

fofbfNfOf%ofEf“fh, ĀŽÀs, 3, è, é□—□, [íftfHfAfOf%ofEf“fh](#), ĀŽÀs, 3, è, é□—□, æ, è, à, á, ç”ä—|, Ā [CPU](#),
, l□^—□ŽŽŠÓ, ðŽó, Žæ, è, Û, ·□B

ffftfHf, fg, Ā, í□AftfHfAfOf%ofEf“fh, ĀŽÀs, 3, è, éfAvfŠfP□[fVf#f“, íRf“fsf...□[f^, í^èŽŸf^fXfN, Ā, , è□A
Žc, è, lŽÀs’t, lfAvfŠfP□[fVf#f“, æ, è, à□, , ç”ä—|, Ā [CPU](#), l□^—□ŽŽŠÓ, ðŽó, Žæ, è, Û, ·□BfofbfNfOf
%ofEf“fh, lfAvfŠfP□[fVf#f“, í□AftfHfAfOf%ofEf“fhf^fXfN, l□^—□, í’â”•^a,^a—Ž, ž’....., Æ CPU
, ©, ç, »), lfAfef“fVf#f“, ðŽó, Žæ, è, Û, ·□B

Windows 2000/XP , Ā, íftfHfAfOf%ofEf“fh, ÆfofbfNfOf%ofEf“fh, lf^fXfN, ÉŠ,, è“—, Ā, é’Š’í“l, È□—
□fAfef“fVf#f“, ð•í□X, Ā, «, Û, ·□B



Windows 2000: fRf“fgf□□[f<fpf|f<, l□mfVfXfef€□n, Ā□m□Ú□×□nfy□[fW, ð•\
Ž!, μ, Ā□mfjpfth□[f}f“fXf|fvfVf#f“(P)□n, ðfNfŠfbfN, μ, Û, ·□B



Windows XP: fRf“fgf□□[f<fpf|f<, l□mfjpfth□[f}f“fX, Æf□f“fefif“fX□n, Ā□mfRf“fsf...
□[f^, íŠî—{“l, È□î•ñ, ð•\Ž!, , é□n, ð’l, N□A□mfVfXfef€
, lfvf□fpfefB□nf_fCfAf□fOf{fbfNfX, Ā□m□Ú□×□Y’è□nfy□[fW, ð•\
Ž!, μ, Ā□A□mfjpfth□[f}f“fX□nf{fbfNfX, l□m□Y’è□n, ðfNfŠfbfN, μ□A[fjpfth□[f}f“fXf|fvfVf#f“lf_fCfAf□
fOf{fbfNfX, l□m□Ú□×□Y’è□nfy□[fW, ð’l’ð, μ, Û, ·□B

Šî-{"ü□o—ÍfVfXfef€

fofbf`ftf@fCf<

fIfyfCE[fefBf"fOfVfXfef€,ì 1 ,Â^Èä,lfRf}}f"fh,ð—

ñ<L,μ,½fefLfXfgftf@fCf<Bfofbf`ftf@fCf<,lfVfXfef€,É,æ,Á,Ä (AUTOEXEC.BAT ,ì,æ,α,É)

Ž©"®"l,ÉŽÀs,³,ê,é,©A,Ü,½,ÍDOS fvff"fvfg,Åftf@fCf<-¼,ð"ü—

í,μ,ÄŽè"®,ÄŽÀs,μ,Ü,·Bfofbf`ftf@fCf<,ðŽÀs,·,é,ÆAfRf}}f"fh,ª‡,ÉŽÀs,³,ê,Ü,·BDOS

ŠÄ<<%º,Ä,lfofbf`ftf@fCf<,É,í .BAT ,Æ,ç,αŚg'£Žq,ª•t,«,Ü,·B

f{[fCE[fg

ff[f^“`‘—,ì’—“x,đ•\,·,Æ,«,ÉŽg,κ—pCEê,Å□A’Ê□í,íj,fff€,ì’¬,³,đŽw,μ,Û,·□Bf{□[fCE□[fg,í 1 •b“-
,½,è,ì□M□t,ì•í%o»,ì%oñ□”,đŽw’è,μ,Û,·□B^ê”Ê,Éf{□[fCE□[fg,í bps
,ì”˘`CEê,Æ,μ,ĂŽg,í,ê,Û,·,ª□A,»,ì,æ,κ,ÉŽg,ç•û,í•s□³Šm,Å,·□B1 %oñ,ì□M□t,ì•í%o»,ª 1
frfbfg,ìff□[f^,đ•\,·,±,Æ,à, ,è,Û,·,ª□ACE»□Ý,ì□,‘¬’Ê□M,Å,í 1 %oñ,ì□M□t,ì•í%o»,ì’Ê□í 1
frfbfg^Ê□ã,đ•,□t%o»,μ,Û,·□B

BBS

Bulletin Board System , ì—ª□Bf,fff€,É,æ,Á,ÄVfXfef€,É□Ú'±,µ,Ä,ç,éft□[fU□[ŠÔ,Åf□fbfZ□[fW'—
□M□A“dŽqf□□[f<□Aftf@fCf<“]’—,ª,Å,«,élf“f%ofCf“fT□[frfX□B

fxf`f}[]fN

f\ftfgfEjFfA,Ü,½,Ín[]fhjEjFfA,ì^—□'¬“x,ð'ª'è,·,éfefXfg□B

frfbfg

fofCfifŠ,Ä,Ü,è 2 i" ,ì 1 œ... ,Ä, ,è AfRf"fsf... [f^ ,Ä^— , ,é î•ñ,ð•\ ,Ä¬'P^ÊB1 frfbfg,Í 0 ,Æ
1 ,ì,Ý,ð<L%¯ , ,é 2 i-@,ÉŠî,Ä,ç,Äî•ñ,ð•\,µ,Ü,·B

BIOS

Basic Input /Output System , à—□Bf□f,fŠ□AfffBfXfNfhf%ofCfu□AfffBfXfvfCEfC,È,ÇfRf“fsf...
□[f^,ìfRf“f|□[flf“fg,ìŠÖ,Å,ì□î•ñ,ì“]’—,ðfTf]□[fg,·,é,½,ß,ìf<□[f`f“,ðŠi”[·,·,éfRf“fsf...
□[f^,ìfTfufVfXfef€□BPC ,ìVfXfef€ BIOS ,ì **ROM** ,ÉŠi”[,³,ê,é,ì,Å ROM BIOS ,Æ,ç,ç,Ü,·□B

fufbfN

1 ,Â,î'P^Ê,Æ,μ,ÄffBfXfN,Æ,ÌŠÔ,Å“Ç,Ý□',«,³,ê,é^ê~A,iff□[f^,ì□W,Ü,è□B

fu[fgfCfR[fh

ftf[fbfs[fffBfXfN, i[Å%o, i• - [fZfNf^, Ü, ½, ífn[fhfffBfXfNfp[feBfVf#f“, i[Å%o, i~ -
[fZfNf^ [BfffBfXfN, íA[fLfefNf`ff (fZfNf^fTfCfY[AfNf%ofXf^fTfCfY, É, Ç) , ðŽ`•É, µ, Ü, · [Bfu[fq
%oÅ“\, ÈfffBfXfN, ífu[fgfCfR[fh, É, ífífyfC[fefBf“fOfVfXfef€, ðf[fh, ·, éfu[fqfXfgf
%ofbfvf[[f_ [f_ , à“ü, Á, Ä, ç, Ü, · [Bfu[fgfCfR[fh, ífffBfXfN, ífu[fqfZfNf^, ÉŠi“[, , ð, é, Ü, · [B
, Ç, i~ - [fffBfXfN, É, à 1 , Á, ífu[fgfCfR[fh, , è [Afu[fgfCfR[fh, ífffBfXfN, i~ - [[[, Æ• - [[\

- fZfNf^“- , ½, è, ífofCf [f_
- fNf%ofXf^ , íTfCfY (fNf%ofXf^“- , ½, è, íZfNf^ [f_)
- fffBfXfN [f_ , íZfNf^ [f_
- fgf%ofbfN“- , ½, è, íZfNf^ [f_
- fffBfXfN, í-É [f_
- }‘í<L [f_ qfofCf [f_

fu [fgfZfNf^

fu [fgfZfNf^, ðŠi”[, ·, éfZfNf^ Bfu [fgfZfNf^, íft [fbfs [fffBfXfN ä, ì Å %o, ì • —
 [fZfNf^, Ü, ½, í ~ — [ffBfXfN (fn [fhfffBfXfN, íp [fefBfVf‡f“)

, ÌŠZnfZfNf^, Å, · Bfu [fgfZfNf^, íffBfXfN, ífA [fLfefNf`ff (fZfNf^ fTfCfY AfNf% fXf^ fTfCfY, È, Ç)

, ðZ · È, µ, Ü, · Bfu [fg %o Å “ \, ÈfffBfXfN, ífu [fgfZfNf^, É, ífíyf [fefBf“ fOfVfXfef€

, ðf [fh, ·, éfvf [fOf %of €, à “ ü, Á, Ä, ç, Ü, · B

fu [fg%oA" \fffBfXfN

fRf"fsf... [f^, ð<N" ®, ·, é, ½, ß, É•K—v, ÈfVfXfef€ftf@fCf<,ª"ü,Á,Ä,ç,éfffBfXfN□B□Å<ß, ðfRf"fsf...
□[f^,É, ðfRf"fsf... [f^, ð<N" ®, ·, é, Æ, «, ÉŽg, í, ê, éfu□[fg%oA" \, Èfn□[fhfffBfXfN,ª, ,è,Ü,·,ª□A'É□í□ufu□
[fg%oA" \, ÈfffBfXfN□v, Æ, Í□A, à, µfn□[fhfffBfXfN,ª'¹ŠQ, ðŽó, ¯, ½Žž, ÈfRf"fsf...
□[f^, ð<N" ®, ·, é, ½, ß, ÉŽg, !, éftf□fbfs□[fffBfXfN, ì, ±, Æ, ð, ç, ç, Ü, ·□B

fu[]fgfXfgf%ofbfvf[]f_[]

fu[]fg%oo^"\\ffBfXfN,ifu[]fgfCfR[]fh,É"ü,Á,Ä,ç,ÄfRf"fsf...

[]f^,i,N"@Žž,ÉflfyfC[]fefBf"fOfVfXfef€,đf[]fh,·,é¬,³,çfvf[]fOf%of€[]B

“dŽqŒfŽ;”ÂfVfXfef€

fofX

CPU A“üo—Í|[]fg[]Af[]f,fŠ,È,ÇfRf“fsf...[]f^,ì^Ù,È,éfRf“f[]f[]fg,ðÚ’±
,·,é“dŽqf`fff[]f<,lfVfXfef€[]B

f{f^f"fo

fAfvfŠfP[fVf+f",ìfif...[fo],ì^%º,É, ,éf{f^f",i•À,ÑB€-
Ú,ìRfs[A^Ú"@AíœA^ê'è,ìi•ñ,i\Ž!,É,ÇA'Á'è,ìf^fXfN,ðŽÀs,Å,«,Ü,·B

fofCfg

8 ĆÂ,ifrbfg,Å\□-,³,é,Rf“fsf...□[f^,ìî•ñ,ìP^Ê□B'Êí□A1 fofCfg,í”¼Šp%op□”Žš<L□t,ì 1
•¶Žš,É‘Š“-,:.éff□[f^,ðŠi”[,μ,Ü,·□B

fLffffbfVf...

fRf“fsf...[]f^,ì‘S’ì“l,È□^—□’—“x,ðŒü□ä,·,é,½,ß,Éff□[]f^,Ü,½,ífvf□[]Of%of€-½—ß,ð^èŽž“l,É<L
%o~·,éRf“fsf...[]f^,ì“Á•É,Èf□f,fŠfTfufVfXfef€□B,Ù,Æ,ñ,Ç,ífLffffbfVf...,ífRf“fsf...[]f^,ì•W□€<L
%o~^æ (fffBfXfN,Ü,½,í RAM) ,©,çff□[]f^,ð CPU ,Å,à,Á,Æ’—,fAfNfZfX,Å,«,éŽí—p,ì<L

%o~^æ,ÉfRfs□[],μ,Ü,·□B^è•”,ífLffffbfVf...,í‘Ò<@—p,ì<L%o~^æ,Éff□[]f^,ð•Ü,¿□ACPU
,ð‘¼,íf^fXfN,ì,½,ß,É%oð•ú,μ□ACPU ,ífAfCfhf<Žž,É,ì,Ý,»,íf□[]f^,ð□’,«□ž,ß,Ü,·□B

fffBfXfNfLffffbfVf...,í”ñ□í,É□,’—,È CPU ,Æ’á’—,ÈfffBfXfNfhf%ofCfu,ìŠÔ,É, ,é’—“x,ì,,é,ð•â,æ,æ,æ,
,É□YŒv,³,é,Ä,ç,Ü,·□B“à•”f□f,fŠfLffffbfVf...,ÆŠÔ•”f□f,fŠfLffffbfVf...,í CPU ,Æ’á’—,È RAM
f`fbfv,ìŠÔ,É, ,é’—“x,ì,,é,ð•â,æ,æ,æ,É□YŒv,³,é,Ä,ç,Ü,·□B

fLffffbfVf...fRf“fgf[]f%o

fLffffbfVf.... ,ì“@[]ò,ð[]§CEä,·,é‘·‘u[]B“à•”f[]f,fŠfLffffbfVf...[]AŠO•”f[]f,fŠfLffffbfVf...
[]A^ê•”,ìfffBfXfNfLffffbfVf... ,ìfLffffbfVf...fRf“fgf[]f%o,ìfn[]lfhfEjFfA%oñ~H,Æf\
ftfgfEjFfA,ð‘g,Ý[]‡,í,¹,ÄŽg,ç,Û,·[]B,» ,ì¹¼,ìfffBfXfNfLffffbfVf... ,ìfRf“fgf[]f%o (VCACHE[]AWindows
,ìfffBfXfNfLffffbfVf... ,È,Ç) ,ìf\ftfgfEjFfA,ì,Ý,ðŽg,ç,Û,·[]B

fLffbfVf...fqfbfg—!

CPU, ^a—v<□, μ, ½ff□[f^, ^a**fLffbfVf...**, É, ,é,Æ,«,"ä—!□BfLffbfVf...fqfbfg—!,^a□,ϕ,Æ CPU
,^aff□[f^,ð,·,î,â,fAfNfZfX,Å,«,é,î,ÅfRf"fsf...□[f^,î□^—□'¬"x,^aCEü□ã,μ,Û,·□B

fLfffbfVf...f~fX—!

CPU, ^a—v<□, μ, ½ff□[f^, ^a**fLfffbfVf...**, É, È, **fffBfXfN**, Ü, ½, Í **RAM**, ©, çŽæ, è□o,³, È, ¯, ê, î, È, ç, È, ç, Æ, «, ì"ä
—!□BfLfffbfVf...f~fX—!, ^a□, ç, ÆfLfffbfVf..., ïff□[f^, ðŽg, !, é□ê□‡, É"ä, x, ÅfRf"fsf...□[f^, ì□^—
□'—"x, ^a'á%°°, μ, Ü, ·□B

CD-ROM fhf%ofCfu

fCE[fU[fR[f€Af~f%o[AŽÊ^ŒÿoŠí,đŽg,Á,Ä [CD-ROM](#)
, ©, çff[f^,đ“Ç,Ÿž,p,½,β,İffofCfXBCD-ROM,Í“Ç,ŸŽæ,èê—p,İff[f^<L%-^æ”}‘ì,È,ì,ÅACD-
ROM fhf%ofCfu,Í CD-ROM,É‘í,μ,Äff[f^,ì“Ç,ŸŽæ,è,í,Å,«,Ü,·,ª‘,«ž,Ÿ,í,Å,«,Ü,¹ñB

fjfXfP[fhf fjj...[

f fjjf... [[€-Ú, ð'í'ð, μ, ½, Æ, «, É, ³, ç, É•Ž, ³, ê, é fjjf... [[BfjfXfP[fh,ª—p^Ó, ³, ê, Ä, ç, é fjjf... [[€-Ú-
¼, í%œE, É, í > ,ª•Ž, ³, ê, é, Ì, ÅŒ©•ª, ¯,ª, Ä, «, Ü, ·[B

'†%o>[]^—[]'•'u

CGA

Color Graphics Adaptor , à—ªBfp[]f\ffif<fRf"fsf...[]f^, ÅŽg, í, è, éfrfff!fAf_fvf^f{[]fh, ì 1 Ží[]BPC , ìfrfff!fffBfXfvfCfC•W[]€, ì""W, É, ", ç, Å CGA , ìf, fmfNf[]fffBfXfvfCfCfAf_fvf^ (MDA) , ìCä, ÉŠJ"- , ¸, è, Ü, µ, ½[]BCGA fj[]fh, É, í, ç, , Å, ©, ìfrfff!f, []fh, ¸, , è, Ü, , ¸[]AfOf%oftjBfbfN, É, Å, ç, Å, í 4 []F[]AfeLfxfg, É, Å, ç, Å, í 16 []F, ì[]\$CÄ, ¸, , è, Ü, .[]B

f`fF[]f“

'P^êftj@fCf<,ì•”•a•”•a,afffBfXfN[]ã,ì~A'±,μ,È,çfNf%ofXf^,ÉŠi"l,³,ê,Ä,ç,é[]ê[]#[]Aftj@fCf<,ì
([]ÅCEä,ìfNf%ofXf^,ð[]œ,) fNf%ofXf^,ÉŠÖ,·,é FAT fGf“fgfŠ,ìftj@fCf<,ìff[]f^,ðŠi"l,μ,Ä,ç,éŽÿ,É'±,-
fNf%ofXf^,ðŽì,μ,Û,·[]Bftj@fCf<,ìfNf%ofXf^f`fF[]f“,ÉŠi"l,³,ê[]AFAT fGf“fgfŠ,í FAT
f`fF[]f“,ðCE`[]¬,μ,Ä,ç,é,Æ,ç,ì,Û,·[]B

fNf fbfNfTfCfNf<

fRf“fsf... [f^, aCEÅ X, i'€ i, ðžÀ s, ·, é, ½, ß, É•K—v, ÈžžŠÔ, i Å —'P^ Ê B, ½, Æ, i, Î ACPU , a 2
, Å, i fCEfWfXf^ ŠÔ, Åff [f^, ð“] —, ·, é, ½, ß, É, Í 1 fNf fbfNfTfCfNf<, a, ©, ©, è, Ü, · BfNf fbfNfTfCfNf<, i, ±
, Æ, ð uCPU fTfCfNf< v, Ü, ½, Í ufNf fbfNf` fbfN v, Æ, à, ç, ç, Ü, · B

fNf%ofXf^

ŽŸ<CfffBfXfN<L%o~'•'u,ìŠî- {Š,,è“-,Ä'P^Ê□B1 ,Â,ìfNf%ofXf^,í 1 ,Â^È□ă,ìfZfNf^,Ă□\
□→,³,ê,Û,·□Bftf@fCf<ftfCfY,ªŒμ-§,ÉfNf%ofXf^ftfCfY,ì” {□”,É,È,é,±
,Æ,Í,Û,ê,Ă,·□B'Ê□í□Aftf@fCf<,ìff□[f^,ðŠi”[·,·é□ĂŒă,ìfNf%ofXf^,ì□,í,è,É□ufXf%ofbfN—
ì^æ□v,ÆŒĂ,Í,ê,é<ó,ì—ì^æ,ª, ,è,Û,·□BfNf%ofXf^,ðŽg,ª,±,Æ,ĂfifyfŒ□[fefBf”fOfVfXfef€
,ìfZfNf^fŒfxf<,Ă□ì<Æ,·,é,æ,è,àfffBfXfN□ă,ìftf@fCf<,ðŒø—!“l,ÉŠÇ—□,Ă,«,Û,·□B

fRf“f{f{fbfNfX

fefLfXfgf{fbfNfX,ÆfŠfXfgf{fbfNfX,ì<@”\,ð‘g,Ý☯,í,¹,½ GUI fRf“f|□[flf“fg□BfefLfXfgf{fbfNfX,ì,æ,α,Éft□[fU□[,ª“ü—í,Å,«,é“ü—íftfB□[f<fh,ÆfŠfXfgf{fbfNfX,ì,æ,α,É,»,±,©,ç‘l‘ð,·,éflfvfVf#f“fŠfXfg,ª—p^Ó,³,ê,Ä,ç,Ü,·□B

fRf}f“fhf{f^f“

f{f^f“ã,lfefLfxfg,aŽ!,.“®ì,ðŽÀs,·,é’·ûĈ` ,lf{f^f“BÅ,à^è”É“l,ÈfRf}f“fhf{f^f“,í mOKn,Æ
mfLfff“fZf<n,Å,·BmOKn,í“®ì,ðŽÀs,Û,½,íĈx,âf{fbfZ[fW,Ém’è
%ož“š,μ,Û,·BmfLfff“fZf<n,í%½,à,μ,É,ĉ
,Åf_CfAfOf{fbfNfX,ð•Å,¶,Û,·BfRf}f“fhf{f^f“,ð’P,Éuf{f^f“v,Æ,à,ĉ,ĉ,Û,·B

COMMAND.COM

Windows 98/Me: DOS ,ìffftjHf<fg,ìfRf}}f“fhfCf“f^[]fvfŠf^fvf[]fOf%of€[]BfL[]f{[]f[]fh,©,ç“ü—
í,³,ê,½fRf}}f“fh,ðŽó,~Žæ,è[]A‘¼,ìfvf[]fOf%of€,ðf[][]fh,μ,½,è[]Afvf[]fOf%of€,Æ [CPU](#) ŠŎ,ìî•ñ,ì—
¬,ê,ð[]\$Eä,·,é,È,Ç,ìf^fXfN,ðŽÀ[]s,μ,Û,·[]B

fRf~fbfgf f, fš

Windows , l^—, l, 1/2, B, lf f, fš, đ 2 'iŠK, Āš,, è“-, Ā, Ū, ·B'æ 1 'iŠK, Ā, í ê~A, lf f, fš f Afhf C f X, đ^—
 , l, 1/2, B, É—\-ñ, μ, Ū, ·B'P, É f f, fš, í~A'± fuf fbfN, lš—LCE , đ• Ūžç, ·, é, 3/4, ·, l, 1/2, B, É AžA Ū, É^ê“x, É•
 K—v, É (, Ā, Ū, èžg, x) , æ, è, à'1/2, , lf f, fš, a^—, l, 1/2, B, É—\-ñ, 3, è, é, ±, Æ, a, , è, Ū, ·B, ç, , è, É, μ, Ā, à A
 —\-ñ ĭ, Ÿ, lf f, fš f Afhf C f X, a f f B f X f N ä, l•“—f f, fš (RAM) , ižA<óšŌ, đ•\, ·, Æ, í, ©, -, è, Ū, 1, ñ B
 žA Ū A^—, lf V f X f e f € ä, Āžg, l, é, æ, è, à'1/2, , lf f, fš, đ—\-ñ, Ā, «, Ū, ·B
 %o'1/4'z f f, fš f Afhf C f X, đ^—, Éžg, l, é, æ, x, É, ·, é, É, l A f Afhf C f X, ÉžA Ū, l<L%o~^æ (RAM
 , Ū, 1/2, l f f B f X f N) , Ā'1%ož, ·, é f f [f^<L%o~^é š, a•K—v, Ā, ·B f R f ~ f b f g f f, fš, í—\-
 ñ ĭ, Ÿ f Afhf C f X, ÉšŌ~A•t, ·, 3, è, 1/2 f f, fš, Ā, , è A, μ, 1/2, a, Ā, Ā^ê“É, É'1/4, l^—
 , É, ížg, l, Ū, 1, ñ B f R f ~ f b f g f f, fš, í RAM , Ū, 1/2, l f f B f X f N (fX f f b f v f t f @ f C f <) , l, ç
 , , è, ©, É, , é, l, Ā f V f X f e f € , É f C f “ f X f g [f< ĭ, Ÿ, l RAM , l—e—É, đ' , l, é, ±, Æ, a, , è, Ū, ·B

^3kf{fŠf...lf€

u^3kf{fŠf...lf€ftf@fCf<v,Æ,à,ç,ç,Ü,·B^3kfffBfXfN,ð\¬-,·,é
%B,µftf@fCf<,Å,·BfffBfXfN,ð^3k,·,é,ÆA,»,lftf@fCf<,lftfCfY,Ík¬-,³,èA'P^è,ì^3kf{fŠf...lf€
,É,Ü,Æ,ß,ç,è,Ü,·B^3kf{fŠf...lf€,ízfXfgfhf%ofCfuă,ÉŠ!“,³,è,Ü,·B

^3k

ff[f^,É•K—v,ÈfRf“fsf...[f^,ì<L%oo~^æ,ªCE, ,é,æ,α
,Éff[f^,ð<Ãk,·,é<ZpB^3k,μ,½ff[f^,í,à,Æ,ì^3k,μ,È,çff[f^,æ,è,àŠi”[Žž,ÉfffBfXfNä,Åè,β,
é•—“l,É—í^æ,ª,È,ªAfrf“fsf...[f^ŠŎ,Å,ì“’B,à’—,-
,È,è,Ü,·BCEÂX,ìtf@fCf<,Ü,½,ífffBfXfN’S’ì,í”C^Ó,ìft[feBfŠfefBf\
ftfgfEjFfA,ðŽg,Á,Å^3k,Å,«,Ü,·B

Windows 2000/XP: NTFS ,É,í’g,Ýž,Ý,ì^3kft[feBfŠfefB,ª“ü,Á,Ä,ç,Ü,·BfRf}f“fhfvf[f“fvfg,Å
COMPACT fRf}f“fh,ðŽg,α,Æ NTFS fp[feBfVf#f“ä,ìtf@fCf<,Ü,½,ìftHf<f_,ð^3k,Å,«,Ü,·B

CONFIG.SYS

Windows 98/Me: fVfXfef€,İfn□[fhfEjFfA,đ□Ý'è,μ□AfffofCfXfhf
%oofCfo,đf□□[fh,·,éjRf}f"fh,ª"ü,Á,Ä,ç,éfefLfXfgftf@fCf<□BfRf"fsf...
□[f^,ª<N"®,.·,é,ÆŽ©"®"l,ÉŽÄ□s,³,ê,Ü,·□B

fRf“fefLfXfgf[]fjf...[]

fCj“f^[]ftfF[]fXfIfufWfFfNfg,đ%EfNfŠfbfN,·,é,Æ•\Ž!,³,ê[]A,»,}fIfufWfFfNfg“Á—
L,}fIfv}Vf#f“,Æ[]î•ñ,đ’ñ<Ÿ,; ,éf[]fjf...[][]BfRf“fefLfXfgf[]fjf...[][,É•\
Ž!,³,ê,éfRf}f“fh,í,»,ì,Æ,«,É’l’đ,μ,Ä,ç,éfIfufWfFfNfg,É,Ä,ç,Ä,Ä,«,é‘€[]è,É%ž,¶,Ä•İ,í,è,Ü,·[]B

~A'±

• "—|,É%½,©,Æ—xÚ,μ,Ä,ç,é,±,ÆB1 ,Â,ì«ŠE,đ,í,³,ň,ÅÚ,μ,Ä,ç,é,±,ÆB

fRf“fgf□□[f<f□fjf...□[

fEjBf“fhfE□Af_fCfAf□fOf{fbfNfX□AfAfCfRf“,δ□^—□,Å,«,éf□fjf...□[□BfRf“fgf□□[f<f□fjf...
□[.ÍfRf“fgf□□[f<f□fjf...□[f{fbfNfX,ðfNfŠfbfN,μ,½,Æ,«□A,Ü,½,Íf^fXfNfo□[,ì□Å□_
%o»,³,ê,½fAvfŠfP□[fVf†f“,ÍfAfCfRf“,ð%oEfNfŠfbfN,μ,½,Æ,«,É•\Ž|,³,ê,Ü,·□B□ufVfXfef€f□fjf...
□[□v,Æ,à,ç,ç,Ü,·□B

fRf“fxf“fVf#fif<f□f,fŠ

Windows 98/Me: fRf“fsf...□[f^,ì [RAM](#),ì□Å□%ò,ì 640KB□B□]—^,ì IBM PC ,ìfvf□fOf%òf€
,Æf|fyfCE□[fefBf“fOfVfXfef€,ÅŽg,α,½,β,ÉfRf“fxf“fVf#fif<f□f,fŠ,đ—\-ñ,μ□AŽc,è,ìf□f,fŠ,ìfvfXfef€,ì-
Ú“l,ì,½,β,É—\-ñ□Ī,Ÿ,Å,μ,½□B

<|'²“i,Èf}}f<f`f^fXfN

f}}f<f`f^fXfN,î`èží□BfAfvfŠfP□[fvf#f“ ,É^È‘¶,μ□A`èŠú“i,É CPU ,É□],Á,Ä (-¾,~“n,μ,Ä)
flfyfCE□[fefBf“fofVfXfef€,É□§CEä,ð-ß,μ,Û,·□B,» ,ìžž“_ ,ÅflfyfCE□[fefBf“fofVfXfef€
,Ížc,è,ì,Ç,ìfAfvfŠfP□[fvf#f“ ,Éžÿ,ì CPU ,Ö,ìfAfNfZfX,ð<-‰oÂ,·,é,©CE^`è,μ,Û,·□BfAfvfŠfP□[fvf#f“ ,^a-
¾,~“n,·,Û,Ä 1 ,Ä,ìfAfvfŠfP□[fvf#f“ ,^a CPU ,Ö,ìfAfNfZfX,ð±,·,é,ì,ð<-‰oÂ,·,é,ì,Ä□A,±
,ìf}}f<f`f^fXfN<Z□p,É,í CPU ,ð□è—L,μ,È,ç,æ,α,É□ÝCEv,³,è,½fAfvfŠfP□[fvf#f“ ,^a•K—v,Ä,·□B□è—
L,ìf}}f<f`f^fXfN,ì-Ú“i,É”½,μ,Û,·□B,±,è,Æ`í□Æ“i,È,ì,^afvfCEfGf“fvfefBfuf}}f<f`f^fXfN,Ä,·□B

fjFef“f^

Windows 2000/XP: Windows ,ifufWfFfNfgCE^,i'®«BfIfufWfFfNfg,É,Â,ç
,Ä,ì“CEvî•ñ,đŽ!,•ï“”l,ªŠi”[,³,è,Ü,·B,½,Æ,!,îAf, fŠfIfufWfFfNfgCE^,É,íLfffbVf...
fofCfjFef“f^,ª, ,èACE»ÝfVfXfef€,iffBfXfNfLfffbVf...,É-\\-ñ,³,è,Ä,ç,éf,f,Š,ì-e-
É,đŽ!,µ,Ü,·B

CPUID -½—ß

fVfXfef€, ì CPU ,É,Â,ç,Ä, ìî•ñ, ð'ñ<ÿ, ·, éfAfzf“fufŠCE¾CEê, ì-½—ß BCPUID -½—ß, ðŽg, æ, Æ ACPU
,^a CE»Y, ì CPU , ìŽí—pA»‘çf[]fj[]A“Á•Ê, Ê<@“\, ð•Ö, µ, Ü, ·B, ·, x, Ä, ì CPU ,^a, ±, ì-½—ß, ðfTfj
[]fg, ·, é, í, -, Å, Í, , è, Ü,¹, ñB

fNf fXfŠf“fN,μ,½ftf@fCf<

2 ,Â,î^Ù,È,éftf@fCf<,É'® ,·,éff□[f^ ,áfffBfXfN□ă,Â“^ ,¶fNf%ofXf^ ,ð□è—L,·,é,±,Æ,ðŽ!,· [FAT](#) ,ìfGf
%o□[□ðŒ□□B1 ,Â,ìfNf%ofXf^ ,É“ü,é,ì,í 1 ,Â,ìftf@fCf<—
p,ìff□[f^ ,ÉŒÀ,ç,ê,é,ì,Â□Afnf□fXfŠf“fN,μ,½ftf@fCf<,ífffBfXfN,ìftf@fCf<□\‘ç,É,“,ç,ÄfGf
%o□[,ðŽ!,μ,Û,·□Norton Disk Doctor ,íff□[f^ ,ì-{-,ì□Š'®□æ,ðŒ^'è,μ□A,±,ìŽí—p,ìfGf
%o□[,ð'ù□³,Â,«,Û,·□B

CRC

Cyclic Redundancy Check (CRC) is a type of error-detecting code. It is used to detect errors in data transmission. The CRC is calculated by dividing the data by a fixed divisor and taking the remainder. The remainder is then appended to the data as a check value. When the data is received, the same divisor is used to divide the data, and the remainder is compared to the check value. If they are the same, the data is assumed to be correct. If they are different, an error is detected.

fVfŠf“f_

Ž¥<CfffBfXfN ä, ÅfffBfXfN, ì', ©, ç“™ <—£, É, , é'î%ž, ·, égf%fbfN, ìfZfbfg B, » , ì, æ, α, Èfgf %fbfN, ìfZfbfg, ð W, β, é, Æ%~“>CE` , Å, Ü, èfVfŠf“f_ CE` , É, È, é, Ì, Å ufVfŠf“f_ v, ÆCEÅ, Ñ, Ü, · B—¼- Èftf fbfs ìfffBfXfN, ìê#A, Ç, ìfVfŠf“f_ , à•\, Æ— , Ì 2 , Å, ìfgf%fbfN, ì, Ý, Å \ □→, ³, ê, Ü, · Bfn ìfhfffBfXfN, ìê#A fVfŠf“f_ , í, ç, , Å, à, ìfgf%fbfN (%~”Ö, ², Æ, ì•\, Æ—) , Å \ □→, ³, ê, Ü, · B

ffCfW[f`fF[f“

ffftHf<fgf{f^f“

f_fCfAf□fOf{fbfNfX,Å□AffffHf<fg,Å'l'ð,³,ê,Ä,ç

,é[Rf}f“fhf{f^f“□B,»,l'¼,lRf}f“fhf{f^f“,æ,è□A««ŠE□ü,ª”Z,,È,Á,Ä,ç,Ü,·□Bf_fCfAf□fOf{fbfNfX,^a•\
Ž,³,ê,Ä,ç,éŠÖ,É Enter fL□[,ð%Ÿ,·,Æ□AffffHf<fgf{f^f“,ðfNfŠfbfN,·,é,ì,Æ“~,¶CE<%oÉ,É,È,è,Ü,·□B

'f•D%oo»%oođ□Á

,»ê,¼,è,ìftf@fCf<,đ□\□¬,·,éff□[f^,ª~A'±fffBfXfNfNf%ofXf^,ÉŠi"[,³,è,é,æ,ϣ
,ÉfffBfXfN□ã,ìftf@fCf<,l•Ö□¬,đ□C□³,·,é,±,Æ□Bftf@fCf<,ª'f•D%oo»,·,é,ÆfffBfXfN,ì□^—□'¬"x,ª'á
%oo²,μ,Ü,·□B

<L□qŽq

f□f,fŠ,ì“Á’è,ìfZfOf□f“fg,É,Â,ç,Ä,ì□î•ñ,đŠi”[,·,é RAM ,ì—ì^æ□B<L□qŽq,í□u<L□qŽqfe□[fuf<□v,Æ,ç,κ
RAM ,ì“Á•Ê,Ê—
ì^æ,ÉfGf“fgfŠ,Æ,μ,ÄŠi”[,³,ê,Ü,·□BfZfGfNf^,^a<L□qŽqfe□[fuf<,ìfGf“fgfŠ,đŽw,μ,Ü,·□B

fffofCfXfhf%ofCfo

fRf“fsf...[]f^,afffofCfX (fvfŠf“f^,âf,fff€,È,Ç) ,Æ'Ê□M,Å,«,é,æ,α,É,·,évf□fOj%of€□B
Windows ,É,í%o¼'zfffofCfXfhf%ofCfo,ª, ,è,Ü,·□B%o¼'zfffofCfXfhf%ofCfo,Í•K—
vŽž,É“ @“l,Éf□□[fh,âf□□[fh%oð□œ,³,ê,Ü,·□B

f_fCfA_fOf{fbfNfX

□î•ñ,ð—v<□,Ü,½,í'ñ<ÿ,·,é“Á•Ê,ÈŽí—p,ìfEfBf“fhfE,Å,·□B

ffBfCEfNfgfŠ

ffBfŒfNfgfŠfcŠ[]

ffBfCEfNfgfŠ'®□◀

ftfHf<f_,Å, éffBfCEfNfgfŠfGf"fgfŠ ,đŽ`•Ê,.,éftf@fCf<'®□◀□B

ffffBfXfN,íf<[fgfffBfCefNfgfŠ,Ü,½,íffffBfXfNä,ìĈĀX,ì€-Ú,ð<Lq,·,éftfHf<f_

(‘Ēí,íftf@fCf<,Ü,½,íftfHf<f_üj,ÉŠi”[,³,ê,éî•ñBffffBfCefNfgfŠfGf“fgfŠ,É,Í-
¼‘O□A□ê□S□AftfCfY,Æ€-Ú,ì“Á•Ē,Ēftf@fCf<’@□«,Ē,Ç,ìî•ñ,ª“ü,Á,Ā,ç
,Ü,·□B,Ç,íftf@fCf<,âftfHf<f_É,àffffBfXfNä,É‘í%ž,·,éffffBfCefNfgfŠfGf“fgfŠ,ª, ,è,Ü,·□B‘·,çftf@fCf<-
¼,ª•t,ftf@fCf<,í 1 ,Ā^Ēä,íffffBfCefNfgfŠfGf“fgfŠ,É‘·,ç-¼‘O,ðŽó,“ü,ê,é,æ,æ,É-v<□,·,é,±
,Æ,ª, ,è,Ü,·□B~_—□ffffBfXfN,²,Æ,ÉffffBfXfN,íf{fŠf...□[f€f
%ofxf<,ðŠi”[,·,éffffBfCefNfgfŠfGf“fgfŠ,ª“ü,Á,Ā,ç,é,±,Æ,ª, ,è,Ü,·□B

fffBfXfNfLfffbfVf...

RAM ,đŽg,Á,Ä^êŽž“l,Éff□[f^,đffBfXfN,©,çŠi”l,·,éLfffbfVf...,ìŽí—
p□BŽž<CfffBfXfN,Ü,½,í CD-ROM ,©,ç,ìff□[f^fAfnfZfX,í RAM
,ìff□[f^fAfnfZfX,É”ä,x,Ä’Š’î“l,É’á’¬,Ä,·B

ffBfXfNfRf“fgf[]f%°

ffBfXfNfhf%°fCfu,Æ CPU ,ì'ÊM,ö\$CEä,.,éfn[]fhfEfFfAfrf“f|[]f|f“fgB

ffBfXfNf{fŠf...[]f€

ffBfXfvfCfCfAf_fvf^

DLL

Dynamic Link Library ,i—ª□BfAfvfŠfP□[fvf#f“ ,iŽÀ□s,É,æ,Á,Ä<¤—L,Å,« ,éŽÀ□s%oÂ“\ ,ÉfR□[fh,ª“ü,Á,Ä,¢,é Windows ftf@fCf<□BDLL ,ðŽg,¤,ÆfAfvfŠfP□[fvf#f“ ,Å“Á'è,ì<@“\ ,ðŽÀ□s,·,é,½,ß,É•K—v,È'¼,ìfŠ^□[fX,à<¤—L,Å,« ,Ü,·□B

• 1. 'fEjBf"fhfE

• \CEvŽZf□□[fNjV□[fg,Ü,½,ÍfefLjXfgftf@fCf<,È,Ç,İfAfvfŠfP□[fVf#f" • 1. ' , δ • \Ž | , . , éfEjBf"fhfE□B

fhf[]bfvf_fEf“fRf“f{f{fbfNfX

fejLjXfgf{fbfNfX,Æfhf[]bfvf_fEf“fŠfXfg (fvf[]f“fvfgf{f^f“,đfNfŠfbfN,.,é,Æ%oo°,É‘l’đfŠfXfg,³•\
Ž|,³,ê,é) ,đ‘g,Ý[]‡,í,¹,½“Á•Ê,ÊfRf“f{f{fbfNfX□B

fhf□fbfvf_fEf“fŠfXfg

fvf□f“fvfgf{f^f”, ðfNfŠfbfN, ·, é, Æ□A%º, É'í'ðfŠfXfg, ð•\Ží, ·, éfŠfXfgf{fbfNfX□B□€-
Ú, º'í'ð, º, è, é, Æ□AfŠfXfg, í•Â, ¶, Ü, ·□B

DRAM

'É□í,íRf"fsf...□[f^,íŽâ<L%~ RAM ,ì,½,β,ÉŽg,í,ê,é"¼"±'ífx□[fX,íf□f,fŠ,íŽí—p□BDRAM
f`fbfv,íŽžŠÖ,ª,½,Â,Æ"d%o×,ª□Á,í,éfRf"fff"ft,ð"à' ,.é,ì,Á□AŠi"□[í,Y,ì□î•ñ,ð□â,í,□',«'¼,·
(,Â,Û,è□u□X□V□v,·,é) ,æ,α,ÉfRf"fsf...□[f^,É—v<□,μ,Û,·□B,±,ê,í□X□V,ð—v<□,μ,É,ç,Á□î•ñ,ð•Û,Â
SRAM f`fbfv,Æ'í□Æ"l,Â,·□B,±,ê,ç,íŽí—p,ì RAM ,í—¼•û,Æ,àŠö"□«,íf□[f^<L%~^æ,ð—p^Ó,μ,Â,ç
,Û,·□BDRAM f`fbfv,í,æ,è^À%o¿,Á SRAM f`fbfv,æ,è'½,,ì□î•ñ,ðŠi"l,μ,Û,·,ª□ADRAM
,ì□î•ñ,ÉfAfnfzfx,·,é,ì,É,íŽžŠÖ,ª,©,©,è,Û,·□B

DRVSPACE.BIN

DriveSpace ,É,æ,Á,Ä^³k,³,ê,½fhf%ofCfu,đfTf|[]fg,·,é,½,ß,ÉŽg,í,ê,é DOS ,ìfhf%ofCfo[]B

“džqf□□[f<

Electronic ,l^a•ŕŽš,ì E ,đ,Æ,Á,Ä□uE f□□[f<□v,Æ,à,ç,ç,Ü,·□B<κ'Ê,ìfRf“fsf...□[f^flfbfgf□□[fN,đ<κ—
L,·,é□l,Ü,½,í,»,±,ÉfAfnfZfX,Å,«,é□l,Éf□fbfZ□[fW,âî•ñ,đ (ftf@fCf<,đŠÜ,ß,Ä) ‘—□M,Å,«,Ü,·□B

EGA

Enhanced Graphics Array , Ì—ªBfp [f\jif<fRf“fsf... [f^, ÅŽg, í, ê, éfrffflfAf_fvf^f{ [fh, Ì 1 ŽíBPC
—pfrffflfffBfXfvfÆfC•W [€, Ì“W, É, ”, ç, Å EGA , Ì CGA , ÌÆã, ÉŠ” , ³, ê, Ü, µ, ½BEGA fj [fh, É, Ì, ç, -
, Å, ©, Ìfrffflf, [fh,ª, , è, Ü, ,ªAfOf%oftfBfbfN,ÆfefLfXfg, Å 16 [F, Ì [SCEÀ,ª, , è, Ü, · [B

EISA

Extended Industry Standard Architecture ,ì—ª,Å□ufC□[fT□v,Æ”%oo¹,μ,Ü,·□BISA fofX,ÉŠî,Ã,-
fRf“fsf...□[f^fofX,ì—Ž@□B32 frfbfgff□[f^fpfX,đŽg,ϕ□AISA fofX,É,Í,É,ϕ□,“x,È<@”\,đ”ō,ı,Ã,ϕ
,Ü,·□BISA Šg’£fj□[fh,đ EISA fofXfRfjNf^,É□·,μ□ž,p,±,Æ,Í,Å,«,Ü,·ª□AEISA fofX,ì□,“x,È<@”\,Í—
p,Å,«,Ü,¹,ñ□B

E f00[f<

ŠĀ««•İ”

ŠĀ««•İ” ,İfİfyfĀ[fefBf“fOfVfXfef€
,Æ,» ,İ¼,İfAfvfŠfP[fVf#f” ,Žg,ŞeŽÍ,İfOf[fof<,ÈŸ’è,đŠi”[,µ,Ü,·B,±
,ê,ç,İŸ’è,İ•İX,Ā,«ASĀ««•İ” ,ÉĀ»Ÿ,İŸ’è,Ši”[,³,ê,Ü,·BDOS ,ĀŽg,í,ê,é“TĀ^“İ,ÈŠĀ««•İ” ,İ
PROMPTĀTEMPĀPATH ,È,Ç,Ā,·BPROMPT ,Í DOS fvf“fvfg,đ,Ç,Ş•\
Ž! , ,é,©,đŽw’è, ,éŠĀ««•İ” ,Ā,·BTEMP ,İ^èŽŽ“İ,ÈfvfOf%of€,İ<L
%o~^æ,İ,½,ß,ÉŽg,ŞftfHf<f_ ,đŽw’è, ,éŠĀ««•İ” ,Ā,·BPATH ,İfİfyfĀ[fefBf“fOfVfXfef€,İfRf}f“fhf
%ofCf” ,Ā“ü—İ, ,éŽĀ[s%oĀ“\,ÈfvfOf%of€,đĀŸö, ,éftfHf<f_ ,İfŠfXfg,đŽw’è, ,éŠĀ««•İ” ,Ā,·B
Ā»Ÿ,İ’è<`İ,Ÿ,İŠĀ««•İ”Ÿ’è,đĀ© ,é,É,İADOS fEfBf“fhfE,đŠJ,č,ĀfRf}f“fhfvf“fvfg,Ā SET ,Æ“ü
—İ,µ,Ü,·B

EPROM

Erasable Programmable Read-Only Memory, è—ª, ÅufC[f]s[f]f€v,Æ”%º¹,µ,Û,·B<-
,çŽšSOü,ð“-,Ä,Ä^È‘O,ìfvf[f]Of%of€,ðÄ<Ž,µ,½Œã,ÅÄfvf[f]Of%of€,Å,«,é **PROM**, ÌŽí—
pBEPROM, í•sŠö”«f[f].fŠ, Å,·ªAŠi”[f]Ÿ,ìî•ñ,ðÄ<Ž,·,é,É,í•—“I,ÉfRf“fsf...
[f^,©,çŽæ,è,Í,·•K—v,ª,è,Û,·B

Šg'£f{[]fh

fRf“fsf...[]f^,î<@”\,ðŠg'£

(,½,Æ,!,î[]AfWf#fCfXfefBfbfN[]AfTfEf“fh[]Af}f<f`f[]ffjBfAfffofCfX[]AfIfbfgf[][]fN[]Ú'±,ðfTf|[]fG)

,·,é,½,ß,ÉfRf“fsf...[]f^“à•”,lfXf[]fbfg,É[],μ[]ž,p%ñ~HŠî”Â

(,Ü,½,íj[]fh)[]BŠg'£f{[]fh,ð[]ufAf_fvf^[]v,Ü,½,í[]ufAf_fvf^fj[]fh[]v,Æ,à,ç,ç,Ü,·[]B

EDO RAM

Extended Data Out Random Access Memory, $\dot{I} - a \square B \square \hat{A} < \beta - v < \square, ^3, \hat{e}, \frac{1}{2} f f \square [f \wedge, \delta$
%oδ•úCEã,ÉfLfffbfVf... 't,É•Û,Ä,é□V,μ,ϕ□, '¬,É **DRAM**, Ĩí—p□BEDO RAM, í□^—□'¬“x, ð 20%
,Û,ÄCEü□ã,μ,Û,·□B

ŠO"”f□f,fŠfLffffbfVf...

"ň□í,É□,‘¬,È CPU ,ÆfRf“fsf...□[f^,ìŽã<L%o~ RAM ,ì’á’¬,È DRAM f`fbfv,ìŠÔ,ð’±%oî,·,éLffffbfVf...
□BŠO•”f□f,fŠfLffffbfVf...,í□,‘¬,È SRAM f`fbfv,ìfn□[fhfEfFfA%oñ~H,ðŽg,Á,Äf
ftfgfEfFfA,ð□\$CEä,μ,Û,·□BŠO•”f□f,fŠfLffffbfVf...,í CPU ,ìŠO•”,É, ,é,ì,Å“à•”f□f,fŠfLffffbfVf...
,æ,è,à’á’¬,Ä,·□B,ç, ,è,ìf□f,fŠfLffffbfVf...,à CPU ,^a RAM,É—
v<□,·,é•p“x,^a□Ä,à□,,çff□[f^,ðŠi”[,μ,Û,·□Bf□f,fŠfLffffbfVf...,í RAM ,æ,è,à,·,î,â, CPU ,Éff□[f^,ð’—
,é,ì,Å□AfRf“fsf...□[f^,ì□^—□CEø—|,^aCEü□ã,μ,Û,·□BŠO•”f□f,fŠfLffffbfVf...,ð□u“ňŽÝfLffffbfVf...
□v□ufCEfxf< 2 fLffffbfVf...□v□uL2 fLffffbfVf...□v,Æ,à,ç,ç,Û,·□B

ftj@fCf.š,,è“-,ÄfGf%o[]

ftj@fCf<,iffBfEfNfgfŠfGf“fgfŠ,ž!,.ftj@fCf<fTfCfY,Æ FAT ,ì†,ÅŠÖ~A•t,¯³,é,fNf
%ofXf^,ìĈĀ”,ž!,.ftj@fCf<fTfCfY,ì•s^é'v[]B

FAT

File Allocation Table, [VFAT](#), É, é, Å, » ¼, ê, ì, ñ, ò, « (available), ©, Å, Ç (defective), ©, Ž, •, Ê, µ, Û, B1, Â, ª, %ó, ê, ½, É, ð, Å, FAT, ã, ñ, d, É, —, p, Ó, ³, ê, Ä, ç, Ü, BFAT, ç, Í, DOS, É, W, †, µ, Ä, ç, Ä, Windows, ì, ü, o, —, Í, T, ç, X, ð, —, p, Ó, µ, Ä, ç, Ü, VFAT, à, Ž, Q, Æ, µ, Ä, ¾, ³, ç, B

FAT32

Microsoft ŽĐ,ªŸŒv,µ,½V,µ,†ftf@fCf<fVfXfef€B'å—e—Êfn[fhfffBfXfnfhf%ofCfu,đfTf|
[fg,µi“Á,É'å—e—ÊfffBfXfnã,Åj,†,Á,»»,æŒø—!“l,ÊfffBfXfn—î^æ,đŽg,†,Û,·B

FAT ftf@fCf·fVfXfef€

ftf@fCf·fVfXfef€, í, à, Æ, à, Æftf[]fbfs[]lfffBfXfN—p, É, Ý, Æ, v, ³, è DOS flfyfÇ[]lfeBf“fofVfXfef€, Å, Ì—
p, ³, è, Ü, µ, ½[]BFAT ftf@fCf·fVfXfef€, Æ, ç, x-¼'O, Å, Æ, Ö, Ì, í [FAT](#)
, ð, Ž, g, Á, Ä, fffBfXfN[]ä, Ì, ·, x, Ä, lfAf[]fP[]lVf#“ftfjfbfgfNf%ofXf^, Ì, S, ,, è“-
, Ä, Ì, ñ, ð, L, ~, ^, ·, é, ©, ç, Å, ·[]BFAT ftf@fCf·fVfXfef€, í [NTFS](#), Ì, æ, x, É, á—e—Ê, Ì, fffBfXfN, â, tf@fCf·, ð, fTf|
[]lfg, µ, Ü, ¹, ñ[]B

Windows 2000/XP, Å, Ì, fn[]lfhfffBfXfN, í FAT ftf@fCf·fVfXfef€—p, Ü, ½, í NTFS —
p, É, ftfH[]l{f}fbfg, ³, è, Ü, ·[]Bftf[]fbfs[]lfffBfXfN, í FAT ftf@fCf·fVfXfef€—p, É, Ì, Ý, ftfH[]l{f}fbfg, ³, è, Ü, ·[]B

FAT

ftf@fCf'®□◀

ftf@fCf'®□◀,ífffBfCEfNfgfŠfGf"fgfŠ,Å•\,ff□[f^,ì"Á'è,ì□◀Žì,đ<L□q,μ□AflfyfCE□[fefBf"fOfVfXfef€
,Å,»,íff□[f^,đ,Ç,π□^—

□,·,é,©,đCE^'è,μ,Û,·□B,Ç,ìftf@fCf'®□◀,àfffBfCEfNfgfŠfGf"fgfŠ,Æ^ê□□,ÉŠi"l,³,ê,éff□[f^,ì'P^ê,ìfrf
bfg,Å•\CE»,³,è,Û,·□B1 frfbfg,É,ílf",Æfift,ì 2 ,Å,ì□ó'Ö,μ,©,È,ç

,ì,Å□Aftf@fCf'®□◀,ªŽì,·,ì,ífffBfCEfNfgfŠfGf"fgfŠ,ª,»,ì'®□◀,đ□^—□,Å,«,é,©,Å,«,È,ç
,©,Å,·□Bftf@fCf'®□◀,íŽÝ,ì 6 ,Å,Å,·□B

- fA□[fjfCfu'®□◀
- ftfHf<f'®□◀
- %oB,μ'®□◀
- "Ç,ÝŽæ,è□ê—p'®□◀
- fVfXfef€'®□◀
- f{fŠf...□[f€f%ofxf<'®□◀

ftj@fCf·fT[]fo[]

f|fbfgf[]fNft[]fU[],^{à<κ—L,ifAfvfŠfP[]fVf#f"},Æff[]f^ftj@fCf<,ÉfAfNfZfX,Å,«,é,æ,κ
,É,·,é[]A|fbfgf[]fN,É[]Ú'±,^{3,ê,½'+%>fffBfXfN<L%o~'}•'u[]BLAN ,àŽQ[]Æ,μ,Ä,,^{3/4,3},ç[]B

ftf@fCf<,iŠg'£Žq

ftf@fCf<-¼,ìÅĀě,ìfsfŠflfh,ìĀě,É•t, -,éĀĒ—ª%Ā"\
,ÉĀŮ"öŽ«Ā'ÉĀíĀftf@fCf<,iŠg'£Žq,í^ê"Ā"Ā,Ēftf@fCf<,iŽí—p,ðŽ,μ,Ů,·ĀB,½,ĀE,Ā,Ā,ĀĀTX
,ĀfēlXfgftf@fCf<,iŠg'£ŽqĀADOC,ĀfĀĀ[fvfĀ,Ā•ĀĀ'ftf@fCf<,iŠg'£Žq,ĀE,μ,ĀŽg,Ā,Ē,Ů,·ĀBDOS
ŠĀ««%Ā°,Ā,Āftf@fCf<,iŠg'£Žq,Ā"¼Šp 3 •ĀŽš^Ē%Ā°,ĒĀĀ,Ā,Ē,Ā,Ā,Ā,μ,½ĀĀĀĀ<Ā,Ā Windows
,Ā,ĀĀftf@fCf<,iŠg'£Žq,ð"¼Šp 254 •ĀŽš,Ů,Ā',-
,Ā,«,Ů,·ĀB,μ,©,μĀĀ,Ů,ĀE,ñ,Ā,ĀfĀfvfŠfPĀ[fvfĀĀ",ĀĀĀ,ĀfvfĀĀOf%ĀfĀ,ĀE,ĀĀĀŸŠ·ĀĀ,ð•Ů,Ā,½,Ā,Ē,Ē,Ů,¼ 3
•ĀŽš,iŠg'£Žq,ðĀĀ—p,μ,Ā,Ā,Ā,·ĀB

ftj@[]f€fEjFfA

•sŠö"«f[]f,š ,ÉŠi"[,³,ê,é\ftfgfEjFfA[]BfRf"fsf...[]f^,ì ROM BIOS ,í[]Å,à^ê"Ê"l,Èftj@[]f€fEjFfA,ì
—á,Å,·[]B

ftf%ofbfVf...f[]f,fš

Intel ,^aSj” ,μ, 1/2” 1/4“ ±‘İfx[]fX,İ•sŠö”□«f[]f,fš□Bftf%ofbfVf...f[]f,fš,Í **EEPROM** ,Æ“˘ ,¶,æ,κ
,É“dŽq“İ,É□Á<Ž%Ä”\,É,İ,ÄfRf“fsf...[]f^,©,çŽæ,è,İ, ,³,È,,Ä,à□Äfvf[]fOf%of€ ,Ä,«,Ü,·□B,±,İŽí—
p,İf[]f,fš,İfuf[]fbfN,Ä□Á<Ž,·,é•K—v,^a, ,é,İ,Ä 1 %oň,ÉfofCfg‘P^Ê,Ä%ü•İ,·,é,±
,Æ,İ,Ä,«,Ü,¹,ň□B,μ, 1/2,^a,Ä□AfRf“fsf...[]f^,İŽâ<L%o˘ **RAM** ,İ‘u,«Š,İ,É,Í“K,μ,Ü,¹,ň,^aftf%ofbfVf...
f[]f,fš,İf[]f^fuf<fRf“fsf...[]f^,İf[]f,fš,ð•â,κ, 1/2,β,É **PC f[]f[]fh**,É,æ,Žg,İ,é,Ü,·□B
ftf%ofbfVf...f[]f,fš,ðŽg,κ 1 ,Ä,İ—á,İfVfXfef€ **BIOS** —p,Ä,·□B<ÆŽ® ,İ ROM BIOS
f`fbfv,İ□ê□±,ÉfRf“fsf...[]f^,İ BIOS ,ð□X□V,·,é,É,İ•˘—□“İ,É‘uŠ,·,é•K—v,^a, ,é,İ,É‘İ,μ□A,±,İŽí—p,İ
BIOS ,İf\ftfgfEfFfA,Ä□X□V,Ä,«,Ü,·□B

ftfjfbfs[fffBfXfN

ff[f^,đŠi"[.,é,½,β,ÉŽg,í,ê,éŽ¥<C"}'ì,ì^êŽí□BŽ¥<C"}'ì,í"-.,Ä•½,ç,Èf}fCf%oo[fffBfXfN,É□Ú'...
,³,ê,Ä,ç,é,ì,Åftfjfbfs[fffBfXfN,í□_“î,Å,·□B,±
,ê,íŽ¥<CfR□[fejBf“fO,μ,½CE~,ç'f□P,ÅCE`□-,³,ê,éfn□[fhfffBfXfN,Æ'î□Æ“ì,Å,·□BCE»□ÝŽg,í,ê,é□Å,à^
ê”Ê“ì,Éftfjfbfs[fffBfXfN,ìftfH□[f}fbfg,í 3.5
fCf“f` ,Å,·□Bftfjfbfs[fffBfXfN,đ□ufffBfXfPfbfg□v,Æ,à,ç,ç,Ü,·□B

ftfHf<f_

fffBfXfN□ä,Å 1 ,Â,ìftfHf<f_ ,íftf@fCf<,Ü,½,íftfHf<f_ ,ð<L□q,·,éfffBf<EfNfgfŠfGf"fgfŠ.ìfŠfXfg,Å□
□→,³,ê,Ü,·□BftfHf<f_ ,ì't,É,ì'¼,ìftfHf<f_ ,ð"ü,ê,é,±
,Æ,ª,Å,«,é,ì,ÅftfHf<f_ ,íff□lf^ ,ðŠK'w•Ö□→,Å,«,Ü,·□BfffBfXfN,ìŠî-{fRf"feji,í<□lfqfffBf<EfNfgfŠ,Å, ,è
<t<É"l,ÉfffBfXfN□ä,ì,·,x,Å,ìftfHf<f_ ,ª,»,±,É"ü,è,Ü,·□BWindows ,â¼,ì GUI ,ì%œ-
É,ÅftfHf<f_ ,ìftfHf<f_ ,ìCE` ,ð,µ,½fAfCfRf" ,Å•\,³,ê,Ü,·□B


fcfŠ[]^ê—


fffBfXfN,if<[]fgfffBfCfNfgfŠ,đ<N“_É,·,éfffBfXfN[]ã,iftfHf<f_,ì•Ò[]-[]Bf<[]fgfffBfCfNfgfŠ,É,iftf@fC
f<,âftfHf<f_,^“ü,è,Ü,·[]B
,»ê,¼,è,iftfHf<f_Ž©‘ì,É,iftf@fCf<,Ü,½,í¼,iftfHf<f_,^“ü,è,Ü,·[]BftfHf<f_,ìŠK‘w,đ[]-[],·,é,±
,ì•Ò[]-[]‘ç,đftfHf<f_fcfŠ[],Æ,ç,ç,Ü,·[]B

ftfHfAfOf%ofEf“fh

ftfHfAfOf%ofEf“fh, ĀŽĀ□s't, lfAfvfŠfP□[fVf#f“, lfAfNfefBfufEfBf“fhfE, É•\
Ž!,³, ê, Ü, ·□BffftfHf<fg, Ā, l□AftfHfAfOf%ofEf“fh, ĀŽĀ□s,³, ê, éfAfvfŠfP□[fVf#f“, lfRf“fsf...
□[f^, î^êŽŸf^fXfN, Ā, , è□AŽc, è, lŽĀ□s't, lfAfvfŠfP□[fVf#f“, æ, è, à□, , †“ä—, Ā CPU , l□^—
□ŽžŠŌ, đŽó, ~Žæ, è, Ü, ·□B fofbfNfOf
%ofEf“fh, ĀŽĀ□s't, Æ□l, l, ç, è, éŽc, è, lfAfvfŠfP□[fVf#f“, l□AftfHfAfOf%ofEf“fhf^fXfN, l□^—□, l'â•”•a, a
—Ž, ž'..., Æ CPU , ©, ç, »., lfAfef“fVf#f“, đŽó, ~Žæ, è, Ü, ·□B

Windows 2000/XP , Ā, lftfHfAfOf%ofEf“fh, ÆfofbfNfOf%ofEf“fh, lf^fXfN, ÉŠ,, è“—, Ā, é‘Š‘î“l, È□^—
□fAfef“fVf#f“, đ•î□X, Ā, «, Ü, ·□B

 **Windows 2000:** fRf“fgf□□[f<fpf|f<, l□mfVfXfef€□n, Ā□m□Ú□x□nfy□[fW, đ•\
Ž!, μ, Ā□mfppftfH□[f}f“fXflfvfVf#f“(P)□n, đfNfŠfbfN, μ, Ü, ·□B

 **Windows XP:** fRf“fgf□□[f<fpf|f<, l□mfppftfH□[f}f“fX, Æf□f“fefif“fX□n, Ā□mfRf“fsf...
□[f^, lŠi—{“l, È□î•ñ, đ•\Ž!, , , é□n, đ‘l, N□A□mfVfXfef€
, lfvf□fpfefB□nf_fCfAf□fOf{fbfNfX, Ā□m□Ú□x□Y‘è□nfy□[fW, đ•\
Ž!, μ, Ā□A□mfppftfH□[f}f“fX□nf{fbfNfX, l□m□Y‘è□n, đfNfŠfbfN, μ□A[fppftfH□[f}f“fXflfvfVf#f“lf_fCfAf□
fOf{fbfNfX, l□m□Ú□x□Y‘è□nfy□[fW, đ‘l‘đ, μ, Ü, ·□B

ftfH[f]fbfg

Ž¥<CfffBfXfN (,Ü,½,í¼,ì·Šúff[f^<L%~"}ì),đŽg,í,é,æ,α
,É,·,é€"öBffBfXfN,ìftfH[f]fbfg,Æ,í'áfCfxf<ftfH[f]fbfgAfffBfXfN,ìfp[fe'fVf#f"•ªŠ,, (fn[fh
fffBfXfN ,ìê±,ì,Ý)A,fCfxf<ftfH[f]fbfg,É,Ç,ì'ì,Å,·B

4 • ũŒüŸ'è~A'zflffbfVf...

RAM ōă,ì"Á'è,ìèŸ,É, ,éff[f^,ðflffbfVf...,ì't,É, ,é 4 ,Â,ìèŸ,ì,Ç,±,©,ÉfRfs[.,,é,±
,Æ,É,æ,Á,ÄŽÀŒ»,³,ê,éflffbfVf...<ZpBflffbfVf...,^a 4 ,Â,ì—
ì^æ,Û,½,ÍZfbfg,É•^aŸ,,³,êA,»,ê,¼,ê,ì—ì^æ,^aÆ—š,μ,½'¼Ÿf}fbfvflffbfVf...,Æ,μ,Ä<@"\
,μ,Û,·B

'f•D%oo»

ftf@fCf<,đ\□-.,éff□lf^,afffBfXfN□ã,ì~A'±
,μ,É,ç□ê□Š,ÉŠi"[³,ê,é□ó'Ó□B,»è,¼,ê,ì'f•D,íftf@fCf<,ì^è•",^aü,Á,Ä,ç,é~A'±,μ,É,çfNf
%ofXf^,Ä,·□B'f•D%oo»,íftf@fCf<,ì□□-□A^Ú"®□A□í□œ,É,Ç'É□í,ì□^—□'t,É<N,«,Ü,·□B'f•D
%oo»,μ,½□î•ñ,ì'f•D%oo»,μ,Ä,ç,É,ç□î•ñ,æ,è,à"Ç,Ý□',«fwfbfh,ì^Ú"®,^a½,-
,É,é•^a,¾,ffBfXfN,©,ç,ì"Ç,ÝŽæ,è,ÉŽŽŠÔ,^a,©,©,è,Ü,·□B'f•D%oo»,í□í□œftf@fCf<,đ
%oñ•œ,Ä,«,É,çCE^ö,É,à,É,è,Ü,·□B'f•D%oo»%ođ□Á,àŽQ□Æ,μ,Ä,,¾,³,ç□B

GDI

Graphics Device Interface ,ì—ª□B

Windows 98/Me: ftfHf"fg□A•`%œ—v'f□A□FŠÇ—□,đŽn,ß,Æ,·,é Windows ,lfOf%oftfBfbfN<@"\
,đfTf|□[fg,·,éfCf"f^□[ftfF□[fX□BWindows ,É,ÍŽâ,ÉfTfufVfXfef€ ,Æ,μ,Äfj□[fjf<□AfOf
%oftfBfbfNfXfffofCfXfCf"f^□[ftfF□[fX□USER_fŠf□[fX,ì 3 Ží—p,ª, ,è,Û,·□B

GDI fšf\[]fX

Windows 98/Me: Windows ,ì [GDI](#) ,ÉŠ,,,è“- ,Ä,ç,ê,½fšf\[]fX[]BGDI
,ÍftfHf“fg[]Afvfšf~fefBfu,ì[]Ä•`%œ[]A []F,ìŠÇ—[],ðŠÚ,ß,Ä Windows ,ìfOf%oftfBfbfN<@”\,ðfTf|
[]fG,μ,Û,·[]BWindows fTfufVfXfef€,Ífj[]f[]f<[]AGDI[][AUSER fšf\\[\]fX](#),Å\[]- ,³,ê,Û,·[]B

fOf%oftfBfbfNfXfj[]fh

fffBfXfvfCefCffofCfX,ifOf%oftfBfbfN<@"\ (fffBfXfvfCefC,É,Ç) ,ðTfj|

[]fg,·,éŠg'£fj[]fh[]B[]ufffBfXfvfCefCfAf_fvf^[]v,Û,½,Í[]ufrfflfj[]fh[]v,Æ,à,ç,ç,Û,·[]B

fOj%oftfBfbfNfXf[]fNfXfe[]fVf#f“

fOf<[fvf{fbfNfX

ŠÖ~A,·,éfRf“f|□[flf“fg,ðfOf<□[fv,É•ª,¯,éf_fCfAf□fOf{fbfNfX,ì GUI fRf“f|

□[flf“fg□BfOf<□[fvf{fbfNfX,í<«ŠE□ü,Æf^fCfgef<,Å□\

□¬,³,ê,Ü,·□BfOf<□[fvf{fbfNfX,ì†,Éf`fFfbfNf{fbfNfX,ÆflfvfVf†f“f{f^f“,ª“ü,Á,Ä,ç,é,±,Æ,ª,æ,, ,è,Ü,
·□B

fn [fhfffBfXfN

ff [f^, <L%¯, ÉŽg, í, è, éŽ¥<C”} ‘ì, ì 1 Ži [Bfn [fhfffBfXfN, íft [fbfs [fffBfXfN, Æ^Ù, È, è_ “i [«, ¢, È, -
Žæ, è, í, , 1, Û, 1, ñ [Bft [fbfs [fffBfXfN, æ, è, à ‘½, , iff [f^, ð • Û ‘¶, Å, « [A, Û, Æ, ñ, Ç, ìp [fjif <fRf “fsf...
 [f^, É, Æ, Á, Ä, Ì ‘Šú “l, Èff [f^ <L%¯, ìŽå—v ‘• u, Å, · [B

%oB,μ'®□«

,±,ìftf@fCf<'®□«,íffftfHf<fg,ÅfŠfXfg,É•\

Ž!,³,é,È,çfffBfCfNfgfŠfGf“fgfŠ,đŽ⁻•Ê,·,é,½,β,ÉŽg,í,è,Ü,·□B'Êí□A%oB,μftf@fCf<,â%oB,μftfHf<f_í

DOS fvff“fvfg,Å DIR fRf}f“fh,ìŽÀ□sŽž,É•\Ž!,³,é,Ü,¹,ñ□BfifvfVf†f“,Å Windows ,Ü,¹/₂,í DOS

fvff“fvfg,Å DIR fRf}f“fh,ìŽÀ□sŽž,É%oB,μftf@fCf<,â%oB,μftfHf<f_đ•\Ž!,·,é,æ,α,ÉŽw'è,Å,«,Ü,·□B

'·,çftf@fCf<-¼,đ•\·,fffBfCfNfgfŠfGf“fgfŠ,É,íf{fŠf...□[f€f%oofxf<'®□«□A%oB,μ'®□«□A“C,ÝŽæ,è□ê

—p'®□«,□A[VfXfef€'®□«,ìfZfbfg,^a,·,è,Ü,·□B,±,ìftf@fCf<'®□«,ì'g,Ý□‡,í,¹,í'·,çftf@fCf<-¼,É“Á—

L,Å,·□B

□,fCfxf<ftfH□[f]fbfg

~_—□fffBfXfN,đŽg,!,é,æ,α,É,·,é□€"ö,ì□^—□□BflfyfC□[fefBf"fOfVfXfef€
,āfffBfXfN,đfAfNfZfX,·,é,½,β,ÉŽg,αff□[f^□\‘¢,đ’Ç%oÁ,μ,Û,·□B,±
,ì□€"ö,ì’iŠK,ÅfffBfXfN□ā,ìftf@fCf<•Ö□~,ì~g’g (fu□[fgfCfR□[fh□AFAT□Af<□[fgfffBfCfNfgfŠ)
,^a□ì□~,³,é,Û,·□B□,fCfxf<ftfH□[f]fbfg,đ□u~_—□ftfH□[f]fbfg□v□uf<ftfgftfH□[f]fbfg□v,Æ,à,¢,¢
,Û,·□B

□,fCfxf<ftfH□[f]fbfg,íŽ¥<CfffBfXfN,đŽg,!,é,æ,α,É□€"ö,·,éfXfefbfv,ì 1 ,Â,Â,·□B
fn□[fhfffBfXfN,đŽg,!,é,æ,α,É,·,é□€"ö,í•—
□ftfH□[f]fbfg□Afp□[fefBfVf#f“•^aŠ,,□A□,fCfxf<ftfH□[f]fbfg,ì□‡,É□i,β,Û,·□B

fzfXfgfhf%ofCfu

^3kfffBfXfN,lfzfXfgfhf%ofCfu,í,»,ê,ð•Ùž,μ,Ä,ç,é"ñ^3k,i• —fhf
%ofCfu,Ä,·B^3k,³,ê,½fffBfXfN,í"Á•Ê,È%B,μftf@fCf< (^3kf{fŠf...[f€,Æ,ç,ç,Ü,·)
,Æ,μ,ÄfzfXfgfhf%ofCfu,ÉŠi"[,³,ê,Ü,·BfzfXfgfhf%ofCfu,É,í^3kf{fŠf...
[f€ftf@fCf<,Æ,Æ,à,É'¼,i"ñ^3kftf@fCf<,ä"ü,Ä,Ä,ç,é,±,Æ,à, ,è,Ü,·B
fffBfXfN,ð^3k,·,é,ÆAfzfXfgfhf%ofCfu,É,í•Ê,lfhf%ofCfu-¼,äŠ,,è"-,Ä,ç,ê,Ü,·BDriveSpace
,ðžg,Á,Ä^3kf{fŠf%ofCfu,ð`-·,·,éê#AfzfXfgfhf%ofCfu,ð•\Ž,μ,È,ç,æ,æ,É,·,é,±
,Æ,à,Å,«,Ü,·BfzfXfgfhf%ofCfu,ð%B,μ,½ê#A,±,lfhf%ofCfu,lmf}fCfRf"fsf...
[f^ nA mWindows fGfNfXfvf[f% nA mftf@fCf<,ðŠJ, nA m-
¼'O,ð•t, ^,Ä•Ù'¶nf_fCfA fOf{fbfNfX,É,í•\Ž,³,ê,Ü,¹,ñB^3kfffBfXfN,lfzfXfg,ä%B,³,ê,Ä,ç
,é,©,ç,æ,©,É,©,í,ç,·,·\Ž,³,ê,Ü,·B

fcf[]fw

Norton Utilities ,ì Image fv[]fOf%of€
,³ffBfXfN,ìufXfjfbfvfVf‡fbfg[]v,đŽB,Á,Ä[]ì[]-,·,é“Á•Ê,Èftj@fCf<[]BfffBfXfN,ìd—v,È[]î•ñ
([fu\[\]fgfCEfR\[\]fh\[\]AFAT\[\]Af<\[\]fg](#),ì[]î•ñ) ,ªŠi”[,³,ê,Ü,·[]B

INI ftf@fCf<

.INI ,Æ,ç,¤Šg'fŽq,^a•t,ftf@fCf< (INI ,í Initialization ,ì—^a,Å,.)□BINI ftf@fCf<,íft□[fU□[□Y'è,Æfvf□fOf
%of€,ì□%Šú□Y'è,É•K—v,É,»,'¼,ì□î•ñ,ðŠi"l,·,é,½,β,É'½,,ì Windows 3.x fAfvfŠfP□[fVf#f" (.Æ
Windows 3.x Ž©'í) ,ÅŽg,í,ê,Ü,μ,½□B□Å<β,ì Windows ,Å,í,±,ì□î•ñ,ì,Ü,Æ,ñ,Ç,^a Windows
,ìfCfWfXfgfŠ.ÉŠi"l,³,ê□AINI ftf@fCf<,íŽã,Æ,μ,ÄÆÄ,çfAfvfŠfP□[fVf#f" ,Å,ì,YŽg,í,ê,Ü,·□B

INT 13h

ftf[]fbfs[]lfffBfXfN,Æfn[]lfhfffBfXfN,Éî,.,éfZfnf^fÆfxf<,Å,lfBfXfN,ì“Ç,Ý[]’,«‘€[]ì,ù,Æ,ñ,Ç,ð^μ,π^
ê”Ê“i,È BIOS,ì Š,,è[]ž,Ý[]B

IDE

Integrated Drive Electronics , ì—ª□BfRf“fgf□□[f%“dŽq<Z□p,ðfhf
%ofCfufn□[fhfEfFfA,Æ“□□‡,µ,½fffBfXfNfRf“fgf□□[f%ofCf“f^□[ftfF□[fX□BIDE
, í,» ,ê,Û,ÅfRf“fgf□□[f<f]□[fh,É'¼□Ú”z'u,³,ê,Ä,ç,½%o%oŽZ,ðfhf
%ofCfu,É“□□‡,µ,Û,µ,½□B,» ,ìĈ<%oÉ□AIDE fhf%ofCfu,í}fU□[f{□[fh □ã,ì IDE
fRf}fNf^ ,ðŽg,!,é,ì,ÅfofXfXf□fbfg,ª•K—v, ,è,Û,¹,ñ□B

“à•”f□f,fŠfLffffbfVf...

80486 ^È□ă,ì CPU ,É“□□‡,³,ê,Ä,ç,éf□f,fŠfLffffbfVf...□B“à•”f□f,fŠfLffffbfVf...,í CPU ,^a RAM ,É—
v<□,·,é•p“x,^aÄ,à□,,çff□[f^,ðŠi”[,μ,Û,·□B“à•”f□f,fŠfLffffbfVf...,í RAM ,Û,½,ÍŠO•”f□f,fŠfLffffbfVf...
,æ,è,à,·,î,â, CPU ,Éff□[f^,ð’—,é,î,ÅfRf“fsf...□[f^,î□^—□’→“x,^a”ò-
ô“l,ÉŒü□ă,μ,Û,·□B“à•”f□f,fŠfLffffbfVf...,ð□u^êŽžfLffffbfVf...□v□ufŒfxf< 1 fLffffbfVf...□v□uL1
fLffffbfVf...□v,Æ,à,ç,ç,Û,·□B

Š,,èž,Ý

CPU ,ÉŒ»Ÿ,ìì<Æ,ð'tŽ~,^{3,1}MŸt,^aŽw'è,·,é"Á•Ê,Ê-½—ß,ðŽÀŸs,^{3,1}éfn[fhfEfFfAfffofCfX,Ü,½,ÍŸ
ftfgfEfFfA,É,æ,Á,Ä'—ŸM,³ê,éŸMŸtŸB

IO.SYS

Windows 98/Me: DOS ,[\ffofCfXfhf%ofCfo](#),i“ü,Á,½vfXfef€ftf@fCf<B[MSDOS.SYS](#)
,àŽQÆ,μ,Ä,,¾,³,çB

IRQ

“üo—Í|[]fg[]AfL[]f{[]fh[]AfffBfXfnfhf%ofCfo,È,Ç,ìfffofCfX,^a [CPU](#) ,ÉfT[]frfX ([Š,èŽ,Ý](#)) ,ì—
v<[],đ’—[]M,·,éfn[]fhfEfffA,ì%oňü[]B

fLOI

fŠfXfgf{fbfNfX

'l'ðžž,ìfìfvfVfþf",ìfŠfXfg,ð•\Žì,·,é GUI fRf"fj|

□[fìf"fìg□Bfhf□fbfvf_fEf"fŠfXfg,Æ^Ù,È,è□AfŠfXfgf{fbfNfX,ì□€-Ú,í•K,·\

Žì,³,è,Û,·□BfŠfXfgf{fbfNfX,ÉfìfvfVfþf",ð•\Žì,μ,«,è,È,ç□ê□#□AfŠfXfg,ì%o; ,ÉfXfNf□□[f;fo□],^a•\

Žì,³,è□AfŠfXfgfEfBf"fhfE,ìŽì—p,É,æ,Á,Ä□ã%o°,Û,½,í□¶%oE,ÉfìfvfVfþf",ð^Û"® ,Å,«,Û,·□B

LAN

Local Area Network ,l—ªB"äŠr"lCEÀ,ç,ê,½"l^l"à (,½,Æ,l,î 1 ,Â,ìCEš•""à)
,É•žU"z'u,³,ê,éfRf"fsf...[f^,ÆfffofCfX,lfOf<[fvB'ÉMfŠf"fN,Å'ŠCEÝ,ÉÚ'±,³,ê,Ü,·BLAN
,lfffofCfX,íÚ'±,³,ê,Ä,ç,é'¼,lfffofCfX,Æ'î~b,Å,«,Ü,·B
'ÉíALAN ,É,í<α'É,É•K—v,Èvf[Of%of€,âff[f^,ðê-å,ÉŠi"[,·,éftf@fCf<fT[fv]
(,Ü,½,í'P,ÉufT[fv),ÆCEÀ,î,ê,éfRf"fsf...[f^,ª, ,èAflfbfgf[fNft[fU[,ª,±,ìî•ñ,ð—
v<,·,é,Æv'¬,É%ž"š,μ,Ü,·B

LAN

~_—[]ffjBfXfN

'•,çftf@fCf<-¼

DOS (,Æ Windows 3.x) ,iftf@fCf<-¼,ì•t,¯•û,É,í 8 fhfbfg 3 (,Â,Û,è 8 •¶Žš,Û,Â,iftf@fCf<-¼,Æ 3
•¶Žš,Û,Â,ìŠg'£Žg,ðfsfŠflfh,Å<æ∅,é) ,Æ,ç,ı§CEÀ,ª, ,è,Û,μ,½∅B'•,çftf@fCf<-¼,iftf@fCf<-¼,ð
255 •¶Žš,Û,Â'•,,Å,«,é Windows ,ì<@"\,Å,∅B'•,çftf@fCf<-¼,É%oÁ,ì,Â∅A∅Å∅Vfo∅[fWf†f" ,ì
Windows ,í^È'O,Éftf@fCf<-¼,ì†,ÉŽg,ı,Æ•s∅³,¾,Å,½•¶Žš ("¼Šp,ìfvf
%oX•,,∅†∅Afff" f}∅AfZf~fRf∅f"∅AfZf~fRf∅f"∅A"™ ∅†∅A∅¶%oE,ìŠpfjfbfR∅AfXfy∅[fX) ,ðfTf|
∅[fg,μ∅A'•,çftf@fCf<-¼,ì'å•¶Žš,Æ∅¬•¶Žš,ì<æ•É,ð"½%of,μ,Û,∅B'•,çftf@fCf<-¼,ì [Unicode](#)
•¶ŽšZfbfg,ðŽg,ç,Û,∅B

8 fhfbfg 3

fXfgfNf%oXf^

ff[f^,^ü,Ä,Ä,ç,é,^ftf@fCf<,Ü,½,íftfHf<f_,ĂŽg,í,ê,Ä,ç,È,çfNf%oXf^,đŽ!,· FAT ,ì†,ìfGf“fgfŠB

'áfĈfxf<ftfH[]f}fbfg

ff[]f^,đš"l,Å,«,é,æ,ɹ,ÉŽŸ<CfffBfXfN,Ü,½,í¼,ì'Šúff[]f^<L%o~"}'ì,ì•\-Ê,đ€"ö,·,é^—

□□B'áfĈfxf<ftfH[]f}fbfg,ífgf%oofbfN□AfZfNf^□AfffBfXfN,ìff[]f^<L%o~—ì^æ,đ—

ÖŠsĈ`□-,·,é,½,β,É•K—v,É,»,ì¼,ìpf%of[]f^,đ'è<,μ,Ü,·□B□,fĈfxf<ftfH[]f}fbfg,đ□u•"—

□ftfH[]f}fbfg□v□ufn□[fhftfH[]f}fbfg□v,Æ,à,ç,ç,Ü,·□B

fn□[fhfffBfXfN,đŽg,ì,é,æ,ɹ

,É,·,é€"ö,ì'áfĈfxf<ftfH[]f}fbfg□Afp□[fefBfVf#f"•ªŠ,,□A□,fĈfxf<ftfH[]f}fbfg,ì□‡,É□i,β,Ü,·□B'Ê□í□

Aftf□fbfs□[fffBfXfN ,ì'áfĈfxf<ftfH[]f}fbfg,í□,fĈfxf<ftfH[]f}fbfg,Æ"—Žž,É<N,«,Ü,·□B

ŽŸCffBfXfN

ŽŸŠE,đŽg,Á,Äff[f^,đŠi"[.,.éffBfXfN□B□Á,à^è"É"l,ÈŽí—
p,ìŽŸCffBfXfN,ífn□[fhffBfXfN,Æftf□fbfs□[ffBfXfN,Á,□Bff□[f^<L%o¯,ÉŽg,í,è,é¼,ìŽí—
p,ìffBfXfN (CD-ROM,È,Ç),à,è,Ü,;ª□AŽŸCffBfXfN,Æ,ç,æ—
pCEé,í'É□í,í'P,É□uffBfXfN□v,Æ"˘,ÁŽg,í,è,Ü,□B

MAPI

Mail Application Programming Interface, je sada B "džqf" [f<, džTf] [fg, ., é API Bf} fCfNf fA
ftfg, É, æ, Á, ÄŠ", ³, ê DLL, Æ, μ, ÄŽÀÆ», μ, Ü, μ, ½ B

fVfXfef€ É MAPI DLL, ², ¶ Y, ., é, ±

, Æ, ð " FŽ , ., é fAfvfŠfP [fVf+f", Å, í A " džqf [f<, ð'¼ Ú fAfvfŠfP [fVf+f", ©, ç' — M, Å, «, Ü, · B

f}fXf^[]fu[]fgfCFR[]fh

fn[]fhfffBfXfN,ifzfNf^,É"ü,Á,Ä,ç

,é[]î•ñ[]Bf}fXf^[]fu[]fgfCFR[]fh,ífffBfXfN,ifp[]fefBfVf#f"fe[]fuf<,đŠi"[,μ,ÄfffBfXfN,ifAfnfefBfu,É

fp[]fefBfVf#f" (flfyfCF[]fefBf"fOfVfXfef€,đf[]fh,·,é,½,ß,ÉŽg,xfp[]fefBfVf#f")

,đŽ·É,μ,Ü,·[]Bf}fXf^[]fu[]fgfCFR[]fh,ífffBfXfN,đfp[]fefBfVf#f"•ªŠ,,,·,éŠÖ,É[]î[]-,³,è,Ü,·[]B

MFT

Master File Table ,ì—ª□B

Windows 2000/XP: [NTFS](#) —p,ÉftfH□[f}fbfg,³,ê,½fffBfXfN□ã,ìftf@fCf<<L

%oo~^æ,đ•Ò□¬,·,é,½,ß,ÉŽg,í,ê,éfe□[fuf<□BMFT ,ìftf@fCf<,É,Ä,ç

,Ä,ì□î•ñ,ìfŠf□□[fVf#fif<ff□[f^fx□[fX,Á□\□¬,³,ê,Ü,·□Bfe□[fuf<,ì□s,ífffBfXfN□ã,ì□Ā□X,ìftf@fCf<,É'í

%oož,μ□A—ñ,ìftf@fCf<,ì'®□«,É'í%oož,μ,Ü,·□B,±

,ì•ûŽ® ,Ä,ífffBf□EfNfjgš,ìftf@fCf<,Æ,μ,Ä^μ,í,ê□Aff□[f^ftf@fCf<,Æ,í'®□«,^a^Ù,È,è,Ü,·□B

□''!%o%oŽZfRfvf□fZfbfT

•,“@□-□”“_□”,đŽg,Á,Ä□''!CevŽZ,đ,·,éfvf□fZfbfT,Å□Af□fCf“ CPU ,Æ<æ•Ê,³,ê,Ü,·□BfCf“fef<,ì
i486DX ,Ü,½,íf,fgf□□lf%o,ì 68040 ^Ê'O,ì CPU ,đŽg,Á,½fpfVfRf“ ,Å,Í□A□''!%o
%oŽZfRfvf□fZfbfT,đ'□□Ý,·,é,Æ□"ŠwŠÖ□",âfOf
%oftfBfbfNfXŠÖ□",ì'—“x,^aCEù□ă,μ,Ü,·□Bi486DX□A68040 ,Æ,»,ê^Ê□~ ,ì CPU f,fff<,Å,Í□Af□fCf“
CPU ,É□''!%o%oŽZfRfvf□fZfbfTŠÖ□",^a'g,Ý□ž,Ü,ê,Ä,ç,Ü,·□B

□Å'â%»

fEjBf"fhfE,ð□Å'â,ìfTfCfY,Ü,ÅŠg'â,·,é,±,Æ□B□Å'â

%»f{f^f",ðfNfŠfbfN,·,é,ÆfEjBf"fhfE,ª□Å'â,É,È,è,Ü,·□B(,·,Å,É□Å'â,É,È,Á,Ä,ç,é□ê□±□A□Å'â

%»f{f^f",í•\Ž|,³,ê,Ü,¹,ñ□B'â,í,è,ÉƐ³,É-β,·f{f^f",ª•\Ž|,³,ê,Ü,·□B)

□Å□-%»³,ê,½fEjBf"fhfE,ð□Å'â%»·,é,É,í□Af^fXfNfo□[É, ,éfAfCfRf",ð

%»EfNfŠfbfN,μ□AfRf"fgf□□[f<f□fjf...□[,ì□m□Å'â%»(X)□n,ðfNfŠfbfN,μ,Ü,·□B

MCI

Media Control Interface ,ì—ªBWindows fAfvfŠfP[fVf†f“,ª%º¹ºº,Æ
%ºf'º,ìÄºº,â<L~^,ðŠÜ,ß,Äf}f<f`fºffjBfAfffofCfX,ðº\$CEä,Å,«,é,æ,¼,É,·,éº,º...
º€fCj“f^º[ftfFº[fXºB

”}’ì<L□qŽqfofCfg

fffBfXfN,ìfu□[fgfEjR□[fh’t,É, ,Á,ÄfffBfXfN,ìŽí—p,ðŽì,· 1 fofCfg,ìî•ñ□Bftf□fbfs□[fffBfXfN,ìŽí—p
(,½,Æ,ì,î□A1.44 MB ,ì 3.5 fCf“f` ,ìftf□fbfs□[fffBfXfN)
,âfn□[fhfffBfXfN,ì<æ•Ê,ðŽì,μ,Û,·□B”}’ì<L□qŽq,í FAT ,ì 1 fofCfg-Ú,É,àŠi”[,³,è,Û,·□B

f f, fš

ff[f^, aŠi"[, 3, êA, » , iŠi"[, 3, ê, ½ff[f^, ðCEÿ[ð, Å, «, éfRf"fsf...[f^fn[fhfEjFfA[B^è"Ê, Éf[f, fŠ, Æ, ç
, x—pCEê, í [RAM](#) , ðŽw, μ, Û, ·BfAfvfŠfP[fVf#f" , ðŽÀ[s, μ[Afvf[fOf%of€
, ðŽÀ[s+^êŽŽ"l, Éff[f^, ðŠi"[, ·, é, ½, ß, ÉŽg, í, ê, Û, ·B

f f, fŠf Afhf CefX

fRf“fsf... [f^, if f, fŠ, ì'†, ì“Á'è, ìêŠ, ðŽì, ·d•; ì, È, ç Ž-•Ê”Ô† B CPU, í f, fŠf Afhf CefX, ðŽw'è, ·, é, ±, Æ, É, æ, Å, Ā f f, fŠ, ì“Ç, Ý, «'€ ì, ðŽÀ s, μ, Ü, · B

f□f,jŠ□í“fv□fOf%of€

f f f f ...

f f v j v f f f " , l f Š f X f g B f f f f ... [, É , , é f l f v j v f f f " , đ f N j Š f b f N , · , é , Æ A " ® ì , a Ž À s , 3 , è , Û , · B

fñfjf...ñ[fñ

'ÉñífEjBf“fhfE, ñÅñã•”, É, ,é'••ûCE` , ñfññ[, Åñ\ñ¬, ã, ê, é GUI fRf“fññ[fñf“fgñBfñfjf...ñ[fññ[, íññfjf...
ñ[, ñfñfXfg, ð%ñ; , É•Å, ×, Å•Žñ, , μ, Û, •ñBfññ[fñUñ[, ãññfjf...ñ[, Å 1
, Å, ð'í'ð, , é, ÆñA, » , ê, ÉŠÖñEW, , éñfñvñVñfñf“ , ã•\Žñ, ã, ê, Û, •ñB

f[]bfz[][fw

fAfvfŠfP[][fvf#f",ÆfAfvfŠfP[][fvf#f",^a[][]-,·,éEfBf"fhfE,^a[]•ñ,ð"`,|,é,½,ß,ì^èžŸ"l,Èžè'i[]B,½,Æ,l,î
[]Af{f^f",ðfNfŠfbfN,·,é,½,Ñ,Éf{f^f",^afNfŠfbfN,³,è,½,±,Æ,ðžl,·f[]bfz[][fw,^afAfvfŠfP[][fvf#f",É'—
,ç,é,Ü,·[]B

MIDI

Musical Instrument Digital Interface , ì—ª, Å□uf~fffB□v,Æ"‰¹,µ,Û,·□BfRf“fsf...
□[f^□Afvf“fZftfCfU□AŠyŠí,ì□î•ňĀđŠ·đ‰Å“\,É,·,é\ftfgfEjFfA,Æfn□[fhjEjFfA,ì•W□€□B

□Å□¬%»

fEjBf“fhfE,đf^fXfNfo□[,İfAfCfRf“,É□k□¬,·,é,±,Æ□BfAfvfŠfP□[fVf†f“,Í‘¼,İ□ì<Æ,đ,μ,Ä,¢
,éŠŌ,ÉfobfNfOf%ofEf“fh,Åfvf□fOf%of€,đŽÀ□s,·,é,½,ß,É•p”É,É□Å□¬
%»»,³,é,Û,·□BfEjBf“fhfE,İf^fCfGf<fo□[,Å□Å□¬%»»f{f^f“,đfNfŠfbfN,·,é,Æ□AfejBf“fhfE,đ□Å□¬
%»»,Å,<,Û,·□B□Å□¬%»»,μ,½fAfvfŠfP□[fVf†f“,đĈ³,İfTfCfY,É-
ß,·,É,İf^fXfNfo□[,Å,»,İfAfvfŠfP□[fVf†f“,İf{f^f“,đfNfŠfbfN,μ,Û,·□B

f}fU[f{[fh

fRf“fsf...[f^“à•”,ižã%ñ~HŠî”Â□BCPU□Af□f,fŠf`fbfv□AfofXfRf“fgf□□[f%□A,»),ì¼,ì
%ñ~H,ª”z’u,³,è,éŠî”Â□BŠg’£f{□[fh,È,Ç,ì¼,ìŠî”Â,àf}fU□[f{□[fh,É□Ú’±,Å,«,Ü,·□B

f}fEf“fg

- “ — □ffjBfXfN□A~ — □ffjBfXfN□Afe□[fvfhf%ofCfu, ðfRf“fsf...□[f^, ðtf@fCf, fVfXfef€
, ÉfAfNfZfX, Å, «, é, æ, α, É, ·, é, ±, Æ□B

MPC fCExfx< 2

fp[]f\vfif<fRf“fsf...[]f^—p,ì•W[]€f}f<f`f[]fffBfA<@”\,ð<L[]q,·,é,½,ß,É Software Publishers Association ,ì PC []ì<ÆfOf<[]fV,ª’è<` ,·,éŽd—l[]B

MPC fCEfxf< 2 •W[]€ ,É[]€<’ ,·,éjVfXfef€ ,íŽŸ,ì<@”\,ð”ð,ì,Ü,·[]B

- 25 MHz 486SX ^È[]ă,ìf}fCfNf[]fvf[]fZfbfT
 - 4 MB ,ì RAM[]i[] , ,[]\$,ì 8 MB[]j
 - []F[]” 64KB ^È[]ă[]A%øð’œ“x,u,f,`[]i640[]~480[]j ^È[]ă,ìfrrfflfffBfXfvfCEfC’•’u
 - ½<ì,S,O,Of~fŠ•b^È%øø,ìfV[]fNŽžŠÔ,ì 2 ”{’~[]i2X[]j CD-ROM fhf
- %ofCfu[]Af}f<f`fZfbfVf#f“[]AftfHfg CD <@”\•t,«
- 16 frfbfg%ø¹[]ø<@”\

MSDOS.SYS

Windows 98/Me: DOS ,ìj] [f]f<, à“ü, Á, Ä, ç, é, vfxfef€ftf@fCf<@BIO.SYS , àŽQ [Æ, μ, Ä, -
, ¾, ¾, ç [BDOS , â [‰Šú, ì Windows , Å, ±, ìftj@fCf<, ìf]fyf€ [fefBf“fOfVfXfef€, ìfAjNfefBfufRf“f] [f]f“fg, Å, μ, ½ [B [Å<ß, ì Windows , Å, í [Ý’èftf@fCf<, Å, · [B

f}f`f^fXfN

1 'ä,lfRf"fsf...[f^,Å•i□",lfvf□fOf%of€,"~Žž,ÉŽÀ□s,Å,«,é,æ,α,É CPU ,δ<α—L,·,é,± ,Æ□Bf}f`f^fXfN,Í^ê©,·,é,Æ•i□",l□^—□,ª"~Žž,É<N,«,Ä,ç,é,æ,α,É©,!,Ü,·□BŽÀ,í-{"- ,É•i□",lfvf□fOf%of€,"~Žž,ÉŽÀ□s,Å,«,é,ì,i•i□",l CPU ,Æf}f`f^fXfN,δfTf| □[fg,·,élfyf□□[fefBf"fofVfXfef€ (Windows 2000/XP□AUNIX□AOS/2 ,É,Ç) ,δ"ö,!,½fRf"fsf... □[f^,ì,Ý,Ä,·□B'P^ê,ì CPU fVfXfef€,lf}f`f^fXfN<Z□p,δ<ìŽg,μ,Äf}f`f^□—□,ì-í•í,δ,μ,Ä,ç ,Ü,·□Bf}f`f^fXfN<Z□p,ì 2 ,Ä,Æ,μ,Äfvf□Efgf"fvfefBfuf}f`f^fXfN,Æ<!'²"l,Éf}f`f^fXfN,ª ,è,Ü,·□B

fifbfjff

f+[]fU[][ŠŌ, Āi•ñ, Æfn[]fhfEjFfA, đ<α—L, ·, é-Ú“i, ĀA' Ê[]M%oň[]ü, Ü, ½, í, »; ì¼, ìžè'i, Ā'ŠŒÝ, É[]Ú'±
,³, ê, ½fRf“fsf...[]f^, ÆŠŌ~Afn[]fhfEjFfA, ìOf<[]fv[]B

fifbfjgff[]fNfCf“f^[]ftfF[]fXfj[]fh

f!fbfgf[]fNfT[]fo[]

f!fbfgf[]fN[]ã,ì¼,ìRf“fsf...[]f^,³ftj@fCf<,ÉfAfNfZfX,Å,«,é,æ,α,É,μ[]A,»,ê,ç,ìRf“fsf...
[]f^,É[]W'+CE^,ì<α—LjT[][frfX,ð (fvf[]fOf%of€[]A<L%oo^-^æ[]A'É[]M,ðŠÜ,β,Ä) 'ñ<ÿ,·,éRf“fsf...
[]f^[]B

NIC

Network Interface Card , ì—ª□BfRf“fsf...□[f^, ð [LAN](#) , É□Ú'±, ·, é, Æ, «, ÉŽg, í, ê, é%ñ~HŠî”Â□B

NMI

Non-Maskable Interrupt, [ifCxf"fg,đ,·,®](#), [É^—,·,é,½,β,ÉŽg,í,è,éŠ,,èŽ,ÝBCPU](#)
,É, ,é"Á•Ê,Ê NMI fsf",É'¼ÚÚ'±,³,ê,Ä,ç,Ú,·B

NTFS

NT File System, à Windows NT fífyfÇ[fefBf“fOvfXfef€—p,ÉŠ]”-
,³,ê,½ftf@fCf<fvfXfef€BNTFS, í FAT ftf@fCf<fvfXfef€,æ,è,àÇø—|“l,É’â—e—
Êfn[fhfffBfXfN,Æftf@fCf<,ðTfj[f,µ,Û,·BNTFS,É,ífnfCfGf“fh,ìŠé<ÆÇü,`ftf@fCf<fvfXfef€
,É,à“K±,·,é½,,ì<@”\,ª’Ç%Á,³,ê,À,ç,Û,·B

- ‘g,Ýž,Ýff[f^fZfLj...fŠfefB
- “ñdff[f^Ši”[<@”\,É,æ,é-â’è,ì<—e<,Æff[f^%ñ•œ
- ff[f^³k
- ,æ,èÇø—|“l,Èff[f^Ši”[,Æ’â—e—Ê,ìfffBfXfN,âftf@fCf<,ì“Ç,Ýž,Ý

flfufWfFfNfg

□^—□□AfxfEfbfh□Aftf@fCf<□A□f□f.š,lfZfNfVf#f“□A•” —□fffofCfX,È,Ç□A<α—L%ooÂ”\,ÈfVfXfef€fšf\ □[fX,đ•\,· Windows 2000/XP ,í•W□€,lf□□[f^CE^□Bfšf□[fX,íCE^2,Æ,É 1 ,Å,lfifufWfFfNfgCE^,Å<L□q,3,è,Ü,·□Bfšf□[fX,đ•\,·flfufWfFfNfg,ª•K— v,É,É,é,Æ□AflfyfCE□[fefBf“fOfVfXfef€ ,í“K□Ø,ÈflfufWfFfNfgCE^,lfCf“fXf^f“fX,đ□ì□→,μ,Ü,·□BflfufWfFfNfg,í Windows ,lfifufWfFfNfgf}f□□[fWfffRf“f□□[flf“fg,É,æ,Å,Ä□ì□→,3,è□A-¼’O•t,¯,3,è□AŞÇ—□,3,è,Ü,·□B

llyfCEllfBf"foVfXfe€

fRf"fsf...llf^ž©'ì,đ"®,©,·Šì-{}§CEä\ftfgfEjFfA□BfRf"fsf...llf^,ì<N"®Žž,É□Å□%
,É□f.fš,Éf□□lfh,³êfRf"fsf...llf^,ìŽÀ□s't,Éf□f,fš□ã,ÉŽc,éfvf□fOf%of€□BfllyfCEllfBf"foVfXfe€
,lfRf"fsf...llf^,lfVfXfe€fšf□lfX (CPU ,ì□^—□ŽžŠŎ□A□f□f,fš□AfffBfXfN—e—
É□Afvfšf"f^,âfffBfXfvfCEfC,É,Ç,ìŽü•Ŏ<@Ší) ,ìŽg,ç•û,ÆŠ,,,è"—
,Ä,đ□§CEä,μ,Û,·□B,·,×,Ä,lfAfvfšfP□lfVf†f",lflyfCEllfBf"foVfXfe€,Æ'í~b,μ,ÄfvfXfe€fšf\
□lfX,Ŏ,lfAfNfZfX,đŽæ"³/₄,μ□A,·,×,Ä,lfAfvfšfP□lfVf†f",ì<@"\,ì□YCEv'í□Û,lflyfCEllfBf"foVfXfe€
,É,æ,Ä,Ä□§CEÄ,³,è,Û,·□B

OEM

Original Equipment Manufacturer , à—B, , é%oiŽĐ, a»'ç, μ, ½fn[fhfEjFfA, ð•Ê, ì%oiŽĐ, a (•K—
v, É%ž, ¶, ÄŽè'¼, μ, μ) fpfbfP[fW, ðì, è'¼, μ, Ä"ì" ,, , éCE`Ô, Û, ½, Í, » , ì»•iB“ , ¶—pCEê, ðf
ftfgfEjFfA, É, Â, ç, ÄŽg, ±, ±, Æ, à, , è, Û, ·B

fy[]fwftj@fCf<

fy[]fW[]^—[]

Windows 2000/XP: Windows ,í,Ç,ì[]^—[],É,à 4 GB ,ì%¼'zfAfhfCFX<óŠÔ ([]^—
[],Æ,»,ìfxfCFbfh,ªŽg,ì,éfAfhfCFX<óŠÔ) ,ð<-%Å,μ,Û,·[]B,μ,©,μ[]A,Û,Æ,ñ,Ç,ìfRf“fsf...
[]f^,ªŽÀ[]Û,É“<[]Û,μ,Ä,ç,é•—[]ff,fŠ (RAM) ,í 4 GB -ç-ž,Å,·[]B—~—p%Å“\,È RAM ,ª,ç,Á,ì,ç
,ì,Æ,«[]AWindows ,ìff[]f^,ì^è•”,ð^èŽž“ì,È RAM ,©,çfffBfXfN,É^Û“® ,μ,Äff[]f,š,ð<ó,¯,Û,·[]B,±
,ìff[]f^,ì%¼'zf[]f,fŠDEF_VIRTUAL_MEMORY,ÉŠ,,è“-,Ä,ç,é,½,±,Æ,É,È,è,Û,·[]B
fffBfXfN,É^Û“® ,³,è,½[]î•ñ,ð[]^—[],Û,½,ìfxfCFbfh,ªfAfNfZfX,μ,æ,x,Æ,·,é,Æ[]AWindows ,ì—
v<[],³,è,½ff[]f^,ðfffBfXfN,©,ç RAM ,É-ß,μ,Û,·[]Bff[]f^,ì[]ufy[]fW[]v,ÆCEÄ,ì,è,é,©,½,Û,è,Æ,μ,Ä
RAM fffBfXfN,ìŠÔ,ð^Û“® ,·,é,ì,Å[]A,±,ì[]^—[],ð[]ufy[]fW[]^—
[]v,Û,½,ì[]ufy[]fWf“fO[]v,ÆCEÄ,Ñ[]A^èŽž“ì,Éff[]f^,ª“ü,éfffBfXfN[]ä,ì“Á•È,Èftf@fCf<,ðfy[]fWf“fO
ftf@fCf<,Æ,ç,ç,Û,·[]B

fpfŒfbfg

%œ-Ê,ìF•t, ,ÉŽg,¼F,ìZfbfgB

fp [fefBfVf#f#

flfyf [fefBf"foVfXfef€

, 'P^è, Ì' • 'u, Æ, µ, Å^µ, xfn [fhfffBfXfN, Ì • " • a B' È □ i AfffBfXfN, Ìfp [fefBfVf#f#, Ìfhf%ofCfu-¼, Ì %opŽš, ÅŽ^- È, ³, è □ A, » , è, ¼, è, ð^U, È, éftf@fCf<, âflfyf [fefBf"foVfXfef€ — p, ÈftfH [f}fbfg, Å, <, Ü, □B

Windows 2000/XP, Ì, æ, x, È^è • " , Ìflfyf [fefBf"foVfXfef€ , Ì^U, È, é • " — □fffBfXfNfhf %ofCfu□ä, Ì • □ , Ìfp [fefBfVf#f# , ð (%opŽš 1 • ¶Žš, Å, Ìfhf%ofCfu-¼, ÅŽ^- È, • , é) 'P^è, ÌfffBfXfNf{fŠf... □ [f€, Æ, µ, Å^µ, Ì, Ü, □B, » , x, • , é, ±, Æ, Åftf@fCf<fAfNfZfX, ð □ , ' - %o » , Ü, ½, ÌftfH [f<fgfgfCf%of" fX (1 'ä, Ìfn [fhfffBfXfN, aCè Ì á, µ, Å, àVfXfef€, Ì' âŽ~ , ð-h, ® • ûŽ®) , ðŽÀC» , Å, <, Ü, □B

, Ç, Ìfu □ [fg%Å" \fn [fhfffBfXfN, È, à" C^Ó, Ìflfyf [fefBf"foVfXfef€ — p, Ì 1 , Å, Ìfp [fefBfVf#f# , a , è □ AfRf"fsf... □ [f^ , Ì<N" ® , ÈŽg, xflfyf [fefBf"foVfXfef€, ð, » , ± , ÈŠi" [, µ, Ü, □Bflfyf [fefBf"foVfXfef€, Å'P^è, Ìfn [fhfffBfXfN, ð • □ , Ì~ _ = □fffBfXfN, Æ, µ, Å^µ, Ì, é, æ, x, È, • , é, È, Ì □ Afn [fhfffBfXfN, È □ uŠg' ffp [fefBfVf#f# □ v, a • K — v, Å, □BŠg' ffp [fefBfVf#f# , Ì 23 CÈ, Ü, Å, Ì' Ç%Å, Ì~ — □fffBfXfN, È%o^ È • aŠ,, Å, <, Ü, □B

FDISK (Windows 2000/XP, ÌfffBfXfNŠÇ — □ft □ [fefBfŠfefB) , Ìfp [fefBfVf#f# , Æ~ — □fffBfXfN, ð □ □ - , • , é, ±, Æ, È, æ, Å, Åfn [fhfffBfXfN, ðŽg, Ì, é, æ, x, È □ €" ð, • , éfvf □ fOf%of€ , Å, □Bfn [fhfffBfXfN, ðfp [fefBfVf#f# , È • aŠ,, , • , é, Æf} fXf^ □ [fu □ [fgfCfR □ [fh, Æfp [fefBfVf#f# fe □ [fuf< , a □ □ - , ³, è, Ü, □Bftf □ [fbs □ [fffBfXfN, Èfp [fefBfVf#f# , Ì • K — v, , è, Ü, ¹, ñ □ B

fn [fhfffBfXfN, ðŽg, Ì, é, æ, x, È, • , é □ €" ð, Ì • " — □ftfH [f}fbfg □ Afp [fefBfVf#f# • aŠ,, □ A, fCfxf<ftfH [f}fbfg, Ì □ †, È □ i, ß, Ü, □B

fp [fefBfVf#f"fe [fuf<

• " — fffBfXfN, ì}fXf^ [fu [fgfCfR [fh, ì†, É, , éî• ñB• " — fffBfXfN, ðf|fyfC [fefBf" fOfVfXfef€
, É• \C», , , é, ½, ß, É 1 , Â^ É ã, ìfp [fefBfVf#f" , ð'è< ` , μ, Û, ·B

fpfX

fffBfXfN,iftfHf<f_cjŠ□□,ì†,É,“,̄,é“Á`è,iftf@fCf<,Ü,½,iftfHf<f_ì□è□Š□Bftf@fCf<,Ü,½,iftfHf<f_ì□â`îfp
fX,íf<□□f□fffBfCfNfgfŠ.©,çŠJŽn,μ□A,»,ì%°^É,É, ,éftfHf<f_ì-¼‘O,đ□‡,É—ñ<L,μ□Aftf@fCf<-
¼,Å□,í,éCE`Ž©,Å,·□B

PATH ,íflyfCE□[fefBf“fOfVfXfef€,ìŠÂ««•ï□”,ì-¼‘O,Å,à, ,è,Ü,·□BPATH ŠÂ««•ï□”,í•K—
v,Èftf@fCf<,ªCE»□Ý,iftfHf<f_É,É,ç,Æ,«,ÉflfyfCE□[fefBf“fOfVfXfef€
,ªCEŸ□đ,·,éftfHf<f_ífŠfXfg,đ<L□q,μ,Ü,·□BPATH
ŠÂ««•ï□”†,iftfHf<f_ì□‡□~,íflyfCE□[fefBf“fOfVfXfef€,ªCEŸ□đ,·,é□‡□~,É,È,è,Ü,·□B

PC fJ[fh

PC fJ[fhfXf[fbfg,ÉŽù,Ü,é,æ,α,ÉŸŒv,³,ê,½f,fff€[Afn[fhfffBfXfN[Aff[f^<L
%~fffofCfX,É,Ç,lfRf“fsf...[f^,ìŽü•Ó<@Ší[B’Éí,lf|f^fuf<fRf“fsf...[f^,ÉŽg,í,ê,Ü,·[BPC
fJ[fh,ìc%:jTfCfY,lfNfŒfWfbbfgfJ[fh,Æ,Ù,Æ,ñ,Ç“~,¶,ÅŒú,³,í,ç,ë,ç,ë,Å,·[BPC
fJ[fhfCf“f^ [ftfF[fX,í PCMCIA (Personal Computer Memory Card International Association)
,Å’è<,³,ê,Ü,·[B^È’O,í PC fJ[fh,ì,±,Æ,đ[uPCMCIA fffofCfX[v,ÆŒÄ,Ñ,Ü,μ,½[B

fvf%ofOfAf“fhfvfCfC

fRf“fsf...[f^,ìžü•Ó<@Ší,ðflfyfC□[fefBf“fOfVfXfef€,É,æ,Á,ĂŽ©“®“l,É□Y’è,Ă,«,é<ÆŠE•W□€
,l<@□□Bfvf%ofOfAf“fhfvfCfC,ª, ,é,Æfn□[fhfEjfFA,ð’g,Ý□ž,p,Æ,«,ÉfWfff“fp,â,»,l’¼,ì□Y’è,ðŽè“®,
Ă•l□X,·,éžèŠŌ,ª□É,□Afn□[fhfEjfFA,ì•l□XCEă,É (,½,Æ,l,ì□APC fl□[fh,ð’}“ü,μ,½,è|
□[f^fuf<fRf“fsf...[f^,ðfhfbfLf“fOfXfe□[fVf#f“,É,Ă,É,°,½CEă,Ă) fRf“fsf...[f^,ð□Ă<N“®,·,é•K—
v,ª,É,,É,è,Ü,·□Bfvf%ofOfAf“fhfvfCfC,lfVfXfef€<K-ì,ì□Y’è,ð“®“l,É•ÚŽç,·,é,±
,Æ,É,æ,Ă,Ă□A□Ă□V,ì□î•ň,ð’É□M,Ă,«,é BIOS ,âfvf%ofOfAf“fhfvfCfCfn□[fhfEjfFA,ðfTf|
□[fg,·,éflfyfC□[fefBf“fOfVfXfef€,Æ~ACEg,μ,Ă“,«,Ü,·□B
Windows 98/Me ,É,ì’g,Ý□ž,Ýfvf%ofOfAf“fhfvfCfCfTf|□[fg,ª, ,è,Ü,·□B,±,ì<@“\
,l□Ă□V,ì□Y’è□î•ň,ðfCfWfXfgfŠ,ÉŠi“[μ□A□Y’è,É•l□X,ª<N,«,é,Æ,ç,Ă,Ă,à,»,è,ð□X□V,μ,Ü,·□Bfvf
%ofOfAf“fhfvfCfC,ðfTf|□[fg,·,éfAfvfŠfP□[fVf#f“,lfVfXfef€□Y’è,É•l□X,ª, ,é,Æ,ç,Ă,Ă,à Windows
,É,æ,Ă,Ă’É’m,³,è,Ü,·□B

•" — fffBfXfN • Ò —

fffBfXfN \ ç, ð à - 3/4, ·, é ê ð †, É fffBfXfN ã, É • " — " I, É ' ¶ Ý, ·, é, à, ì, ð Ž w, μ, Û, · ð B, Û, 1/2, í A1, Â, ì • " —
" I ' P ^ Ê, Â, , é fffBfXfN ' S ' ì, ð Ž w, · ê ð †, à, , è, Û, · ð B ~ — fffBfXfN • Ò —, Æ " ä Š r, μ, Â, , 3/4, 3, ç ð B

f|[]fg

ff[]f^,^fRf"fsf...[]f^,É[]o"ü,è,·,é,Æ,«,É'Ê%oß,·,éfRf"fsf...

[]f^,Ü,½,ífn[]fhfEfFfAfffofCfX,ì^è•"[]BfRf"fsf...[]f^,í|

[]fg,ð'É,μ,ÄfvfŠf"f^[]AfffBfXfvfCfC[]Af,fff€,Æ[]Ú'±,μ,Ü,·[]Bf|[]fg,É,æ,Á,Ä,íRf"fsf...[]f^,ì"à•",É,
,è[]Af,fff€,ì,æ,α,É"à•",Ä[]Ú'±,³,ê,Ä,ç,é,±,Æ,à, ,è,Ü,·[]B,»,ì,½,ßSO,©,çCE©,!,éf|

[]fg,ì",æ,è,à'½,,í|[]fg,ì",ð•ñ[][],·,é,±,Æ,ª, ,è,Ü,·[]B

f}f`f^fXfN

f}f`f^fXfN, ì`èžíBflfyfCE[fefBf“foVfXfef€, ^a CPU, ì^—ŽžŠÔ, ðfRf“fsf...
[f^, ÅŽÅs+t, ìXfCEfbfh, ÉŠ,, è“- , Ä, Ü, ·BfVfCEfGf“fvfefBfuf}f·f`f^fXfN, ìXfCEfbfh, É^È‘¶, ·, é, ±, Æ, È, CPU, È-¾, “n, ·, Ì, ÅA1, Â, ÌAfvfŠfP[fVf†f“, ðVfXfef€, ð“Æè, ·, éŽ-Ô, ð-h, °, Ü, ·B, ±, è, Æ‘ÎÆ“l, È, ì, ð, ‘²“l, Èf}f`f^fXfN, Å, ·B

Windows, Ì CPU ŽžŠÔ, ðuf^fCf€fXf%ofCfXv, Ü, ½, ÍuŽžŠÔ—Èv, Æ, †, x—
£ŽU“l, ÈŽžŠÔ’P^È, ÅŠ,, è“- , Ä, Ü, ·B, ±, è, ç, ÌŽžŠÔ’P^È, ðfXfCEfbfh, Ì’Š’l, È—Dæ“x, ÉŠî, Å, †, ÆXfCEfbfh, ÉŠ,, è“- , Ä, Ü, ·B—Dæ¶^È, Í—
v^ö, ì“, É^È‘¶, µ, Ü, ·BfXfCEfbfh, ÌfIfyfCE[fefBf“foVfXfef€, É, æ, Á, Ä~A’±“l, ÉÄ—
Dæ¶^È•t, ·, ³, è, Ü, ·B

f}fEfX,ì¶f{f^f“

GUI ,ì‘€ò,ÅÅ,à,æ,Žg,xf}fEfXf{f^f“□B

•W□€,ì%oE—~ ,«—p,lf}fEfX,ì¶f{f^f“ ,ð¶¶—~ ,«ft□[fU□[,É□#,x,æ,x,É Windows
,lfRf“fgf□□[f<fpflf<,Å•ì□X,Å,« ,U ,□Bf}fEfX,ì%oEf{f^f“ ,àŽQ□Æ,μ,Ä,,¾,¾,ç□B

^êŽŸfEjBf“fhfE

fAfvfŠfP□[fVf†f“,lŽå—v,ÈfEjBf“fhfE□B□u^êŽŸ□v,Æ,ÍfAfvfŠfP□[fVf†f“,É,“,̄,éfEjBf“fhfE,ì<@”\ ,òŽw,μ□A•K,„,μ,à 1 ,Â-Ú,Û,½,Í—B^ê,lfEjBf“fhfE,Æ,ç,α^Ó-¡,Å,Í, ,è,Û,¹,ñ□B

□^—□

“Á'è,ìf^fXfN,ð□<□s,·,éfvf□fOf%of€□A,Û,½,ìfvf□fOf%of€,ªŽÀ□s,·,é^è~A,ìfXfefbfv□B

□^—□,ìfvf□fOf%of€,ì,½,β,ìšf\□[fXš,,è“- ,Ä,ìšî-{'P^Ê,Å,·□B1 ,Ä,ì□^—□,É,Í 1 ,Ä,ìfvf□fOf%of€Ž©'ì
(fXfefbfv,ì□W,Û,è,Æf^fXfN,ð□<□s,·,é,½,β,É•K—v,Ëff□(f^)^□Afvf□fOf%of€

,ªf^fXfN,ð□<□s,·,é,½,β,ÉŽg,ì,éf□f,fšfAfhf€fX<óšÓ□Afvf□fOf%of€,É•K—v,È,»,ì'¼,ìfvfXfef€fšf\
□[fX,Å,·□Bfìfyf€□[fefBf“fOfVfXfef€,ì'¶□Y,·,é□^—□,Éšî,Å,ç,Äf^fXfN,ð•Ò□¬,µfšf\□[fX,ðš,,è“-
,Ä,Û,·□B

,Ç,ì□^—□,É,à□Á'á 1 ,Ä,ìžÀ□s,ìfXf€fbfh,^a, ,è,Û,·□B,»,µ,ÄfvfXfef€fšf\□[fX,ð□Á,à€ø—!“ì,Éžg,ª
,½,β,É□A,Û,Æ,ñ,Ç,ì 32 frfbfg□^—□,É,ì•i□”,ìfXf€fbfh,^a, ,è□A□^—

□,ìžÀ□s,É,Ä,è,ÄfXf€fbfh,^a□ì□¬,³,è□í□œ,³,è,Û,·□B

fvf□f“fvfgf{f^f“

fhf□fbfvf_fEf“fŠfXfg,Ü,½,Ífhf□fbfvf_fEf“fRf“f{f{fbfNfX,ì%oE,É•\Ž|,³,ê,é%oo-î^ó,ª•t,ç
,½□¬,³,çfAfCfRf“□BfNfŠfbfN,·,é,Æ□A'I'đfŠfXfg,ª-¼'O□‡,Ü,½,Í“ú•t□‡,É%oo•ûŒü,É•\Ž|,³,ê,Ü,·□B

fvf[]fpfefBfV[]lfq

flfufWfFfNfg,lfvf[]pfefB,Ü,½,ÍlfvjVf#f“,ð[]Ý'è,Å,«,éf_fCfAf[]fOf{fbfNfX[]B

ÍvafefNfgf,lfh

“@lf,lfh,ì 1 ,ÂBf}f^f^XfN,ðfTf|lfg,µ 1 MB ,ð´,í,éf,fS,ðŽg,í,é,æ,κ,É,·,éf,lfhB
Windows 98/Me ,Á,í [32-bit](#)AfvfŠfP[lfVf#f“,ÍfvfefNfgf,lfh,ÁŽÀs,³,êA16-
[bit](#)AfvfŠfP[lfVf#f“,Í’P^è,lf,fS<óŠÔ,ðκ—L,µ,ÁŽÀs,³,é,Ü,·BWindows 2000/XP
,Á,ÍfvfŠfP[lfVf#f“,Íf}f^f^XfN,ÁŽÀs,³,êA16-bitAfvfŠfP[lfVf#f“,Í“Ç,β,Ü,¹,ñB
[%o¼’zlf,fS](#),ðŽg,κ,½,β,É,à CPU ,ÍfvfefNfgf,lfh,Á“@ì,·,é•K—v,²,è,Ü,·B

fvfbfVf...f{f^f“

RAM

Random Access Memory, $\dot{\iota}$ —^a CPU

,Æ'¼,ìfn[fhfEjFfAfffofCfX,ª“Ç,Ý'«,Å,«,é"¼“±'ìfx[fX,ìŽâ<L%o~f[f,fŠ BRAM ,íRf“fsf...

[f^,ì\<Æf[f,fŠ,ð\→,μAfRf“fsf...[f^,Å“Žž,ÉŽÀs,Å,«,éfvf[fOf%of€

,ìTfCfY,ÆĀ““A“uŽž,É^—,Å,«,éff[f^,ì—É,í RAM ,ì—e—É,É,æ,Á,ĀĀ^,Ü,è,Ü,·B

(fn[fhfffBfXfN,ì,æ,ª,È) ŽŸ<C"}'ì,Ü,½,í PROM ,ÉŠi"[,³,é,éff[f^,Æ^Ü,È,è RAM

f[f,fŠ,ìff[f^,ìušö““«v,Å,·B,Ā,Ü,èAfRf“fsf...[f^,ì“dĀ¹,ª∅,é,é,Æ RAM

,ÉŠi“[ì,Y,ìff[f^,ìĀZ,·μ,Ü,·B

RAM ,ì“~Žž,ÉŽÀs,Å,«,éfvfšfP[fvf#f“ ,ìĀĀ“ ,ð' ,â ,%¼'zf[f,fŠ,ì•â'«,Å , ,é,±,Æ,ª,æ,, ,è,Ü,·B

,Ü,Æ,ñ,Ç,ì PC ,Ā,ìŽâ<L%o~ RAM ,í DRAM f`fbfv,É,æ,Ā,Ā—p^Ó,³,é,Ü,·B'Êi APC

,ìf[f,fŠfAfNfZfX,ð'→,·,é,½,β,É CPU Ž©'ì,ì'†,É, ,é“à•”f[f,fŠfLfffbfVf...,â SRAM

f`fbfv,ðŽg,ªSO•”f[f,fŠfLfffbfVf...,ð“à' ,μ,Ü,·B

æ“Ç,ÝfLffbfVf...

ffBfXfNfLffbfVf..., ÅffBfXfN, ©, ç, ìî•ñ, ìŽæ, èo, µ, ð‘-, -
, ·, é, ½, ß, Ê^ê”Ê, ÊŽg, í, é, éfLffbfVf...<ZpB, ±, ì<Zp, ðŽg, Á, ÅfRf“fgf[f%o, í CPU , a—
v<, ·, éŽŸ, ìff[f^, ð—\’^a, µ, æ, æ, Æ, µA’O, à, Á, Åff[f^, ð (’Êí, í CPU , afAfCfhf<ó’Ô, ÌŠÔ, É) RAM
, É”]’—, µ, Û, ·BRAM , ©, çff[f^, ðŽæ, èo, ·, ì, ìffBfXfN, ©, ç“Ç, Ýž, p, æ, è, à‘-, ç, ì, ÅfLffbfVf...fqfbfg
—, ìCE<%oÊ, ìfVfXfef€, ì^—‘—“x, ìCEüã, É, Á, Ê, a, è, Û, ·BVCACHE , ÆCEÁ, Ì, é, é Windows
, ìffBfXfNfLffbfVf..., ìæ“Ç, ÝfLffbfVf..., Å, ·B

“Ç,ÝŽæ,èé—p’@«

,±,ìftf@fCf<’@«,íä,«AíœA^Ú”@,Å,«,È,çftf@fCf<,ðŽ·Ê,μ,Û,·B

’·çftf@fCf<-¼,ð·\,·ffBfœfNfgfŠfGf”fgfŠ,É,í{fŠf...í{f%ofxf<’@«A%B,μ’@«A“Ç,ÝŽæ,èé—p’@«,AíVfXfef€’@«,íZfbfg,^a,è,Û,·B,±,ìftf@fCf<’@«,ì’g,Ýí,í¹,í’,çftf@fCf<-¼,É“Á—L,Å,·B

“Ç,Ý”,«fwfbfh

Ž¥<CfffBfXfN,ífffBfXfN•\–Ê,É’í,µ,Äff□[f^,ð“Ç,Ý□’,«,.éfffBfXfNfhf%ofCfu,ì□\□–•”•i□B–¹/₄–
Êftf□fbfs□[fffBfXfN,lfhf%ofCfu,É,ífffBfXfN,ì 2 ,Ä,ì“Ç,Ý□’,«fwfbfh,^a, ,è□AfffBfXfN,ì•\,Æ
– ,ÉŽg,í,ê,Û,·□Bfn□[fhfffBfXfNfhf%ofCfu,ìê□‡,É,í’É□í,í¹/₂,,ì“Ç,Ý□’,«fwfbfh,^a, ,è□A%oo~”Ö,²,Æ,ì\,
Æ– ,ÉŽg,í,ê,Û,·□B

fœfwxf^

^èŽž“l,Éff[]f^<L%o¯—p,É **CPU**,ª“à’ ,·,é[],’—f[]f,fš,ì—ì^æ[]BCPU ,É,í,ç,-
,Ä,à,ìfœfwxf^,ª, ,è,Ü,·[]B,ç,ìfœfwxf^fgfš,à 2 fofCfg ,© 3 fofCfg,ìff[]f^,ì,ý,đš“l,μ,Ü,·[]B

fCfWfXfgfŠ

fVfXfef€,âfAfvfŠfP[fVf+f“,ì<N“@AŸ’èA,»,ì’¼,ìî•ñ,ìW’+“l,É<L%o-,·,é Windows
,lff[f^fx[fXfBfCfWfXfgfŠ,í,·,x,Ä,ì’g,Ÿž,Ÿi,Ÿfn[fhfEfffA,Æ Windows
flfyfC[fefBf“fofVfXfef€—p,É-¾Ži“l,ÉŸCEv,¾,é,½fCf“fXfg[f<i,ŸftfgfEfffA,É,Â,ç
,Ä,ìî•ñ,ðSi“[.µ,Ü,·BfCfWfXfgfŠ,í Windows,Äfvf%ofAf“fhfvfCfC,ðfTf][fg,Ä,«,é,æ,æ,
,É,·,é,½,ß,lfRf“f][f+f“fg,ì 1,Ä,ÄAfCfWfXfgfŠfL[.ÆCEÄ,î,é,éj]fefSfŠ,É•Ö-¾,¾,é,Ü,·B
fCfWfXfgfŠ,í^È’O,É [AUTOEXEC.BAT](#) [ACONFIG.SYS](#) [AWIN.INI](#) [ASYSTEM.INI](#)
,ÆCEÄ[X,lfAfvfŠfP[fVf+f“,ì [INI.ftf@fCf<](#),æ%oÉ,½,µ,½ Windows 3.x,ì<@“\,ì’½,ð’ă,í,è,É
%oÉ,½,µ,Ü,·B,±,é,ç,lfTf@fCf<,í^ê•”,lfn[fhfEfffA,Ü,½,lf
ftfgfEfffA,ÅŽg,í,é,é,ì,ÄCEă•ûCEŸŠ,ì,½,ß,É,Ü,¾ Windows,É’ŋŸ,·,é,±
,Æ,æ,è,Ü,·BfCfWfXfgfŠ,ìî•ñ,í SYSTEM.DAT,Æ USER.DAT,Æ,ç,æ 2
,Ä,lfofCfifŠftf@fCf<,ÉSi“[¾,é,Ü,·B SYSTEM.DAT,lfRf“fsf...
[f^SÖ~A,ìÄVff[f^,ð•ÜŽç,µAUSER.DAT,í^Û,É,éft[fU[.Ü,½,í-
Ú“l,ì,½,ß,É;]“,lfVfXfef€Ÿ’è,ð•ÜŽç,Ä,«,Ü,·B

fWfXfgfŠfL

Windows ,ifWfXfgfŠ.ÉŠi”[,³,ê,Ä,ç

,éi•ñ,lfjfeSfSfBfWfXfgfŠfL[,ifWfXfgfŠ.ÉŠi”[,μ,Ä, ,éff[f^,ðCf“ffbfNfX•t, ,Ü,½,Í•Ò[-,·

,é,½,ß,ÉŽg,αŽè’i,Å,·BfWfXfgfŠfL[,É,Í¼,lfL[(fTfufL[)

,âff[f^,ðŠi”[,Å,«,é,ì,ÅAfWfXfgfŠ,ÍŠK’w[‘ç,ðC[-,μ,Ü,·i

%EfnfŠbfN

f}fEfX,ì%Ef{f^f“,đfNfŠbfN,·,é,±,Æ□BfftfHf<fg,Å,í□Af}fEfXfj□[f\ f,afCf“f^□[ftfF□[fX,ífífufWfFfNfg□ă,É, ,é□ó’Ô,Å%EfnfŠbfN,·,é,ÆfRf“fefLfXfgf□fjf...□[,^a∖ Ž!,³,ê,Ü,·□BfRf“fefLfXfgf□fjf...□[,É,ífífufWfFfNfgCEÅ—L,ífífvfVf#f“,^a—p^Ô,³,ê,Å,ç ,Ü,·□B□¶,«,«,íf+□[fU□[.í,½,ß,Éf}fEfXf{f^f“,İŠ,,,è” - ,Ä,đ□Ø,è’Ô,!,é,Æ□Af}fEfX,ì□¶f{f^f“,đfNfŠbfN,μ,½,Æ,«,ÉfRf“fefLfXfgf□fjf...□[,^a∖Ž!,³,ê,Ü,·□B

ROM

Read-Only Memory, i.e. BROM, YZæ, è%oÂ" \, Å, «ž, Y<ÖŽ~, i"¼" ±'if, fš BROM f`fbfv, É, ívf fOf %of€ Af f^A, Ü, ½, í, » , i-¼•û, a"ü, Ä, Ä, ç, é, ±, Æ, a, , è, Ü, · BROM , É, í^ê"Ê, É PROM f`fbfv, Æ CD-ROM , i 2 Ží—p, a, , è, Ü, · BROM , í^ê"Ê, É •sŠö" f, fš, Ä, · BfvfXfef€ BIOS -½—ß, ì, Ù, Æ, ñ, Ç, í ROM f`fbfv (ROM-BIOS) , ÉŠi" [, ³, è, Ü, ·, a AWindos , É, í, ç, , Ä, ©, ì ROM BIOS f< f` f" , É'ã, í, éCEÅ— L, íf< f` f" , a—p^Ó, ³, è, Ä, ç, Ü, · B

f<[]f9

f<[]fgffBfCefNfgfŠ,í~_—[]ffBfXfN,ìtf@fCf<<L%°_[]\`¢
,ì“y’ä,Å,·[]Bf<[]fgffBfCefNfgfŠ,É,ìffBfXfN[]ã,ÉŠi”[,³,è,é[]Å[]ã^Ê,ìtf@fCf<,âftfHf<f_,ì,½,ß,ìffBfCefN
fgfŠfGf“fgfŠ,ª, ,è,Û,·[]B

RS-232C

VfŠfAf'ÉMÚ'±,ÉŠÖ,·,é<ÆŠE<KŠiBfffofCfXŠÔ,ìVfŠfAf<ff[f^"\'—,ð\$Eä,·,é,½,ß,ÉA"Á'è,ì
%ñü (Ú'±fCf,,) ,ÆM"Á«,^aZg,í,ê,Û,·B

fXfPfwf...[f%o

'¼,ì^— (fXfEfbfh“™) ,Æf^fXfN,đŠÇ—,·,élfyfCE[fefBf“fOfVfXfef€,ì^—B

fXfNf[]f<fo[]

•¶ü,½,íŠfXfg,ðA,»,ê,ð•Ž,·,éEfBf“fhfE,É%ž,¶,Ä^Ú“®,Å,«,é GUI fRf“fj
[]fif“fg[]BfXfNf[]f<fo[],í'Éí[]AfEfBf“fhfE,âfŠfXfgf{fbfNfX,ì%oi,Ü,½,Í
%oo,ì•”•ª,ÉCE»,ê,é,¼,Ü,½,Í...•½,ìfo[],Å,·B

ufXfNf[]f<f{fbfNfXv,ífXfNf[]f<fo[]ã,É•Ž!,³,ê[]Afo[],É%oo^,Á,Äf}fEfX,Åfhf
%ofbfO,µ,ÄEfBf“fhfE“à,ÅfefLfXfg,ð^Ú“®,Å,«,Ü,·B

ufXfNf[]f<î^óv,ífXfNf[]f<fo[],ì—¼',É•Ž!,³,ê[]AfNfŠfbfN,·,é,ÆfefLfXfg,ð,µ,¾,¯
(‘ÉífefLfXfg 1 []sª) fXfNf[]f<,Å,«,Ü,·BfXfNf[]f<f{fbfNfX,ÆfXfNf[]f<-
î^ó,ìŠÖ,ðfNfŠfbfN,·,é,Æ[]AfefLfXfg,ð^å•,É (‘Éí[]A1 fy[]fW•ª,Ü,½,ì,»,ífEfBf“fhfE,ìfefLfXfg‘Š“-
ª) ^Ú“®,Å,«,Ü,·B

fXfNf□□[f<f{fbfNfX

SCSI

Small Computer System Interface , ì—ª, Å□ufXfjfw□[□v, Æ”%º¹, µ, Û, ·□BfRf“fsf...

□[f^, ðfn□[fhfffBfXfN□AfvfŠf“f^□ACD-ROM fhf%ºfCfu, È, Ç, ìfffofCfX, É□Ú’±

, ·, é, Æ, «, ÈŽg, í, ê, é•W□€fCf“f^□[ftfF□[fX, ì^êŽí, Å, ·□B, Û, Æ, ñ, Ç, ì SCSI

fAf_fvf^fj□[fh, Ì□Ú’±□æ, ìfffofCfX, ÌŽí—p, ð’m, ç, È, , Å, à□Ú’±, Å, «, Û, ·□B□Ú’±□æ, É•K—v, È□ðœ□, Ì

SCSI , Ì•W□€, É□€<’, ·, é□Ú’±, Å, , é, ±, Æ, Ì, Ý, Å, ·□B7 ‘ä, Û, Å, Ì SCSI fffofCfX, ð’ŠœÝ, É□Ú’±

, µ□A, » , è, ðfRf“fsf...□[f^, Ì SCSI f□[fg, É□Ú’±, Å, «, Û, ·□B, ±, Ì, æ, x, È□□¬, ð□ufffCfW□[f`fF□[f“□v, Æ, ç

, ç, Û, ·□B

f}fEfX,ì%oEf{f^f“

Žg,æ%oñ□,ª□,È,ç•û,ìf}fEfXf{f^f“□Bf}fEfX,ì%oEf{f^f“,ðfNfŠfbfN,·,é,±,Æ,ð%oEfNfŠfbfN,Æ,ç,ç□A'½,,ì□ê□#fRf“[fefLfXfgf□fjf...□□](#),ª•\Ž,³,è,Û,·□B

%oE—~,«—p,ìf}fEfX,ì%oEf{f^f“,ð□¶—~,«ft□[fU□[,É□‡,æ,æ,æ,É Windows,ìfRf“fgf□□[f<fpf|f<,Å•ì□X,Å,«,Û,·□Bf}fEfX,ì□¶{f^f“,àŽQ□Æ,µ,Ä,,¾,¾,ç□B

“ňŽŸfEjBf“fhfE

^è”Ê,É^êŽŸfEjBf“fhfE,É”ä,x,Ä□¬,³,<@”\,à’á,čfAfvfŠfP□[fvf‡f“fEjBf“fhfE□B

fZfNf^

fffBfXfN,ì•—□“l,È<L%~ì□Å□—P^Ê□B1 ,Â,ìfZfNf^,ífffBfXfN□ã,É, ,éff□[f^<L
%~^æ,ìCEÊ,ìCE` ,ð,μ,½•”•ª,Å,·□BfffBfXfN,ì<L%~—ì^æ,íZŸ,ì,æ,α,É•Ö□—,³,è,Ü,·□B

• fffBfXfN•\—Ê,ìŠe—Ê (□ã%~º)

(fn□[fhfffBfXfN,É,Í 3 ,Â^Ê□ã,ì—Ê,ª, ,è,Ü,·)

• fgf%~ofbfN (ŽŸ<CfffBfXfN,ì•\—Ê,É“~□S%~□ó,ì—Ö,Æ,μ,Ä□®—ñ,μ,Ü,·□BCD-ROM ,ìfgf
%~ofbfN,ífffBfXfN,ì[,©,ç’t□S,É,ç,¹,ñ□ó,É’±,’P^êfgf%~ofbfN,Å,·)

• fZfNf^ (fgf%~ofbfN,ì 1 ,Â,ìCEÊ,ìCE` ,ð,μ,½•”•ª,ð□è,ß,Ü,·)

ff□[f^<L%~^æ,ì 1 ,Â,ìfZfNf^,ífffBfXfN□ã,Åfgf%~ofbfN,ì 1 ,Â,ìCEÊ,ìCE` ,ð,μ,½•”•ª,ð□è,ß,Ü,·□B
1 fZfNf^,ìTfCfY (fofCfç□”) ,ílfyfCE□[fefBf“fofVfXfef€ ,É,æ,Á,ÄCE^,Ü,è,Ü,·□B

fZfCefNf^

Windows 98/Me: CPU ,^afvfNfgf.lfh,Å“@ì,μ,Ä,ç,é,Æ,«,ìfZfOf“fg fCfWfXf^,ì“à—
eBfZfCefNf^,ìf,fS,ì“À“è,ìfZfOf“fg,ð'è<` ,.é<LqZqfe[fuf<,ìfGf“fgfS,ðZ~•É,μ,Û,·B

fZfpfCE[f^ü

1 ,Â,îffjf...[.đŠÖ~A,.éffjf...[€-Ú,²,Æ,ìOf<[fv,É•^aŠ,,.é...•¹/₂,ìüB

fVfŠfAf'ÊM

ff[f^,ð~A'±,·,éfrfbfg,Æ,μ,Ä^ê"x,É 1 ,Â, ,Â 1 -{,ì%ñü,ð'Ê,¶,Ä'—M,·,éRf"fsf...
[f^ŠÖ,Ü,½,ífRf"fsf...[f^,ÆŽü•Ó'•'uŠÖ,iff[f^"'—B

fVfŠfAf·fCf“f^[]ftfF[]fX

fRf“fsf...[]f^,ÉfVfŠfAf<’Ê[]M<@”\,đ—

^,ı,éfCf“f^[]ftfF[]fX[]B’Ê[]í[]AfVfŠfAf·fCf“f^[]ftfF[]fX,í}fU[]f{[]fh,É·,μž,ρŠg’£f{[]fh,Å\
[]→,³,êfVfŠfAf<f[]fg,àŠÜ,Ü,ê,Ü,·[]B

fVfŠfAf<f|[]fg

fVfŠfAf<É[]M, ð, ·, é, ½, ß, ðRf"fsf...[]f^, ð"ü[]o—Í[]Ú'±[]B**fVfŠfAf<fCf" f^[]ftfF[]fX**, É[]Ú'±, ³, ê[]A'É[]í
RS-232C Ć^fRf|fNf^, Å, ·[]B**fVfŠfAf<f|[]fg**, ðfRf|fNf^'P^É, Å[]î•ñ, ð"`, ð[]A, Ù, Æ, ñ, Ç, ÌŽí—
p, ðfffofCfX, ÉŽg, æ, ±, Æ, º, Å, «, Ù, ·[]B

f[]f, : fRf"fsf...[]f^, É 2 ĆÂ, ðRf|fNf^, µ, ©, È, ç, ð, ð[]ASystem Information , º**fVfŠfAf<f|[]fg**, ð" , ð 3
ĆÂ, ÆfĆf|[]fg, µ, ½[]ê[]±[]A**fRf"fsf...[]f^**, É•" —[]"l, É—p^Ó, ³, ê, Å, ç, é**fVfŠfAf<f|[]fg**, æ, è, à'½, -
, ð**fVfŠfAf<f|[]fg**, ð**fVfXfef**€, ºŽ[], Å, ±, Æ, º, Å, «, é, ±, Æ, ðŽ!, µ, Å, ç, Ù, ·[]B

fVf#[]fgjfbfgfL[]

f}fEfX,žg,Á,Äf[]fjf...[]€-Ú,đ'ı'đ,μ,È,-

,Ä,àfL[]f{[]fh,©,ç"Á'è,ıfRf}f"fh,đŽÄ[]s,Ä,«,éfL[][,ı'g,Ý[]#,ı,¹[]BfVf#[]fgjfbfgfL[],^a, ,éf[]fjf...[]€-
Ú,ı[]ê[]#[]A[]f[]fj[]f...[][]ã,Ä[]€-Ú-¼,ı%°E,ÉfVf#[]fgjfbfgfL[],ı'g,Ý[]#,ı,¹,^a·\Ž|,³,ê,Ü,·[]B

SIMM

Single Inline Memory Module , à — a B1 , À , ì SIMM , í • i " , ì [DRAM](#) f`fbfv, ð " < ú , , é x ' , ç
% ò ñ ~ H S î " Ö , Å , . B

fXf%oofbfN

fIfyfCE[]fEfBf"fofVfXfef€,íftf@fCf<,ì,½,β,ì-ì^æ,ðfNf%ofXf^,ÆCEÄ,î,ê,é-fŽU"l,È
%oò,Æ,μ,ÅŠ,,,è"-,Ä,Ü,· (-\-ñ,μ,Ü,·)□B,μ,©,μ□A,Ü,Æ,ñ,Ç,íftf@fCf<,äffBfXfN□ã,Å• " -□"l,É□è,β,é
-ì^æ,íIfyfCE[]fEfBf"fofVfXfef€,ª-\-ñ,μ,½,æ,è,à□,È,ç-e-Ê,Å,·□BfXf
%oofbfN,Æ,íftf@fCf<,íff□[f^,É□è-L,³,ê,È,ç-V,Ñ,íXfy□[fX,Å,·□BCEÄ□X,íftf@fCf<,ì,½,β,É,ç
,Ä,½,ñŠ,,,è"-,Ä,ç,ê,½ffBfXfN-ì^æ,í□A,Ü,©,ì,Ç,ñ,È-U"l,É,àŽg,í,ê,Ü,¹,ñ□B,Ä,Ü,è□Afxf
%oofbfN,íffBfXfN□ã,ì,ρ,¾,È-ì^æ,Å,·□B

💡 FAT32 ftf@fCf<fvfXfef€,í,æ,è□-,³,çfNf%ofXf^,ðŽg,±,±,Æ,É,æ,Ä,ÄffBfXfN,íXf%oofbfN-e
-Ê,ð□Å□-CEA,ÉCE, ,ç,μ,Ü,·□B

SRAM

Static [RAM](#), $\frac{1}{2}$ RAM, $\frac{1}{2}$ DRAM
f`fbfv, Æ^Û, È, è ASRAM f`fbfv, íRf"fsf... [f^, É, æ, Á, Æ~A'±"l, ÉuXVv, 3, ê, é, ±, Æ, È, -
Ši" [í, ý, ìî•ň, ð^ÛŽ, Å, <, Û, ·B

<N"@ftj@fCf<

fXfe[f^fXfo]

^—A<@“\A‘I’đ,μ,½€-Ú,É,Â,ç,Ä,ìî•ñ,đ•Ž!,·,é GUI fRf“f]

[fjf“fgB’ÉíAfXfe[f^fXfo][,ÍEjBf“fhfE,Ü,½,Í_fCfAfOf{fbfNfX,ì%°•”,É•Ž!,³,ê,Ü,·B

fXfefbfv

CPU f`fbfv, ì%°^ÊfŠfrfWf†f“, ðŽw'è, ·, é, ½, ß, ÉŽg, í, ê, é'P^Ê□B, ½, Æ, í, î□APentium fXfefbfv 5 , Æ, ç, ðŽw'è, ïf`fbfv, í Pentium fXfefbfv 4 , æ, è, à□, μ□X□V, °, ê, ½f`fbfv, Å, ·□B

Super VGA

SVGA

fp[]\fifjRf“fsf...[]f^,ÅŽg,í,ê,éfrffjlfAf_fvf^f{[]fh,ì 1 Ží[]BPC ,ìfrffjlfjffBfXfvfCefC•W[]€,ì”-
“W,É,“,ç,Ä SVGA ,í VGA ,ìĀě,ÅŠj”,³,ê,Û,μ,½[]BSVGA fj[]fh,í VGA fj[]fh,æ,è,à[],“x,È,ç,,Ä, ©,ì
%øð’œ“x,ð”ð,ì,Ä,ç,Û,·[]B

fXf fbfvftf@fCf<

Windows ,^a%o¼'zf fŠ,Æ,μ,ÄŽg,κ%oB,μ ftj@fCf< BfXf fbfvftf@fCf<,í [RAM](#)
,©,ç,ìî•ñ,ð^êŽŽ“l,ÉŠi”l,μ,Ä¼,lfAfvfŠfP[fVf#f“,^a RAM ,ðŽg,ì,é,æ,κ,É,μ,Ü,· BWindows 98/Me
,lfXf fbfvftf@fCf<,í WIN386.SWP ,Æ,ç,κ¼'O,Å,· B

Windows 2000/XP

ŠÂ<<%oº,Å,lfXf fbfvftf@fCf<,ðufy[fWf“fOf tf@fCf<v,ÆEÄ,Ñ APAGEFILE.SYS ,Æ,ç,κftf@fCf<-
¼,^at,ç,Ä,ç,Ü,· B

fVfXfef€—ì^æ

fIfyfCE[]fefBf"fofVfXfef€

,âfffbfxfN,âfffbfxfN,ÉŠi"l,³,ê,½ftf@fCf<,ÉfAfNfZfX,·,é,Æ,«,ÉŽg,αî•ñ,ª"ü,Á,Ä,ç,éfffbfxfN,ì—

ì^æ[]BfffbfxfN,ìfVfXfef€—ì^æ,É,ífu[]fgfCFR[]fh[]AFAT[]Af<[]fg[]î•ñ,ª"ü,Á,Ä,ç

,Ü,·[]B,Ü,Æ,ñ,Ç,ìfn[]fhfffbfxfN,ìfVfXfef€—ì^æ,É,ífp[]fefBfVf#f"fe[]fuf<,à, ,è,Ü,·[]B

fVfXfef€'®□«

,±
,[ìftf@fCf<'®□«](#),ìfvfXfef€ŠÖŒW,ìfffBfŒfNfgfŠfGf"fgfŠ,đŽ`•Ê,μ,Û,·□BfvfXfef€'®□«,đ"đ,ì,½ftf@fCf<,ì—á,Í IMAGE.IDX (Norton Utilities),ì Image fvf□fOf%of€,É'®,·,éftf@fCf<) ,Æ IO.SYS (fìfyfŒ□[fefBf"fOfVfXfef€,ìftf@fCf<) ,Å,·□BfvfXfef€'®□«,đ"đ,ì,½ftfHf<f_ì—á,Í Windows ,ì,²,Ý" ,â FONTS ftfHf<f_Å,·□B
'·,çftf@fCf<-¼,đ·\,fffBfŒfNfgfŠfGf"fgfŠ,É,ìf{fŠf...□[f€f%ofxf<'®□«□A%B,μ'®□«□A"C.ÝŽæ.è□ê—p'®□«,□AfvfXfef€'®□«,ìfZfbfg,^a, ,è,Û,·□B,±,ìftf@fCf<'®□«,ì'g,Ý□‡,í,¹,ì',çftf@fCf<-¼,É"Á—L,Å,·□B

fVfXfef€LjffbVf...

fVfXfef€ftf@fCf<

fRf“fsf...[]f^,đ<N“® ,μ,½,è Windows

,đ<N“® ,μ,ÄŸ'è,·,é,Æ,«,ÉŽg,í,ê,éftf@fCf<,ìfOf<[]fv[]BWindows 98/Me ,É,ÍŽŸ,ìftf@fCf<,ª, ,è,Û,·[]B

- [AUTOEXEC.BAT](#)
- [CONFIG.SYS](#)
- [WIN.INI](#)
- [SYSTEM.INI](#)
- [SYSTEM.DAT](#)
- [USER.DAT](#)

,±,ê,ç,ìftf@fCf<,đ[]u<N“®ftf@fCf<[]v,Æ,à,ç,ç,Û,·[]B

fVfXfef€f[]jf...[]

fVfXfef€f^fCf}[]f|[]fg

fVfXfef€f^fCf}[] (, Û, ½, ÍVfXfef€fNf[]fbfN) ,Æ'¼[]Ú'Ê[]M, ,é, ½, ß, ÉŽg, í, ê, éfn[] [fhfEfFfA, ì] []fg, Å[]AŽå, Éf^fCf}[] [Š, , è[]ž, Ý' – "x, ð•Í[]X, ,é, ½, ß, ÉŽg, í, ê, Û, ·[]B

fVfXfef€ VM

Windows fAfvfŠfP[fVf#f“,a“@i,.,é%¼'zf}fVf“BfVfXfef€ VM
,ífvf[feNfjg.f.[fh,Å“@i,μ,Û,·B32 frfbfg,ì Windows fAfvfŠfP[fVf#f“,í,»,ê,¼,ê,afVfXfef€ VM
□ã,Åê—p,íf[f,š—ì^æ,ðš—L,μfvfCfGf“fvfefBfuf}f<f`f^fXfN,Å^—□,³,ê,Û,·BWindows 98/Me
,Å,í16 frfbfg,ì Windows fAfvfŠfP[fVf#f“,ífVfXfef€ VM □ã,Å^P^ê,íf[f,š—ì^æ,ð<α—
L,μ<!'²“l,Ëf}f<f`f^fXfN,Å^—□,³,ê,Û,·B

SYSTEM.DAT

Windows 98/Me: ft[]fU[][,²,Æ,É•İ,í,é,±,Æ,ì,È,†fVfXfef€ŠÖŒW,ìfŒfWfXfgfŠ[]î•ñ,ª“ü,Á,Ä,†,éftf@fCf<[]BfŒfWfXfgfŠ[]î•ñ,ª“ü,Á,Ä,†,éŽå—v,ÈfVfXfef€ftf@fCf<,í SYSTEM.DAT ,Æ [USER.DAT](#),Ä,·[]B

SYSTEM.INI

fVfXfef€CEĀ—L,lfhf%ofCfo,ÆŸ'èŋ•ñ,ª"ü,Á,Ā,ç,é Windows ,ì<N"®ftf@fCf<BWindows 3.x ,ì
SYSTEM.INI ,ÉŠi"l,³,ê,Ā,ç,½ŋ•ñ,ì,Û,Æ,ñ,Ç,í Windows
fCfWfXfgfŠ.ÉĀ"z'u,³,ê,Û,μ,½B,½,¾,μACEĀ,çfAfvfŠfP[fVf‡f",Æ,ìCEŸŠ·«,â Windows
,ì^ê•",ì<N"®^—,ì,½,β,É SYSTEM.INI ,ì,Û,¾'ŋŸ,μ,Û,·B

feLfxfgf{fbfNfx

fvf[]Of%of€ ,É•K—v,È 1 []s (,Ü,½,Í•i[]"[]s) ,ì[]î•ñ,ð“ü—Í,·,é'•û€` ,ì GUI fRf“f[]lfif“fg[]B[]%o,ß,Ä•\
Ž,³,ê,é,Æ,«[]AfeLfxfgf{fbfNfx,Í'½,,ìê[]‡,Í<ó”',Å,·,ª[]AfeLfxfg,ª“ü,Á,Ä,†,é,±,Æ,à, ,è,Ü,·[]B

fXfCEfbfh

"äŠr"l'â<k-Í,È□^—□,Ü,½,Ífvf□fOf%of€,ì^ê•"□B

•i□",ÍfXfCEfbfh,Í□e□^—□,ÉŠ,,,è"-,Ä,ç,ê,½fAfhfCEfX<óŠÔ,ÆfŠf\□[fX,ð<α—L,μ,Ü,·□B□^—
□,²,Æ,É□Á'á 1 ,Â,ÍfXfCEfbfh,ð□□—,μ□A,Ü,Æ,ñ,Ç,Í□^—
□,É,Í•i□",ÍfXfCEfbfh,ª, ,è,Ü,·□BfXfCEfbfh,Í□e□^—□,ÌŽÀ□s't,É•K—v,É
%ož,¶,Ä"®"l,É□□—,³,ê□í□œ,³,ê,Ü,·□B

fXfCEfbfh (□^—□'S'ì,Ä,í,È,,»,ì^ê•") ,ÍfÍfyfCE□[fefBf"fofVfXfef€,ÅŠÇ—

□,³,ê□Af}f<f`f^fXfN,ÌŽA'•,É," ,é CPU ŽžŠÔ,ÍŠ,,,è"-,Ä,ÍŠî-{,Ä,·□BWindows ,ì [32](#)

[frfbfgfAfvfŠfP□\[fvf†f"](#),í½,,ÍfXfCEfbfh,ðŽg,!,Ü,·□B,Ç,ì 32 [frfbfgfAfvfŠfP□\[fvf†f"](#),à□e□^—□,ÉŠ,,,è"-

,Ä,ç,ê,½f□f,Š,ð<α—L,μ□AfXfCEfbfh,ÍfvfCEGf"fvfefBfuf}f<f`f^fXfN,Å□^—□,³,ê,Ü,·□B [16](#)

[frfbfgfAfvfŠfP□\[fvf†f"](#) (Windows 3.x ,Æ DOS ,ÍfAfvfŠfP□[fvf†f") ,ÉfXfCEfbfh,í 1 ,Ä,,Ä,μ,©,È,-

□A,±,è,ç,ÍfXfCEfbfh,Í<:'²"l,Éf}f<f`f^fXfN,Å□^—□,³,ê,Ü,·□B

f^fcf}[]Š,,èž,Ý

PC ,ìfvfXfef€fnf[]fbfnf`fbfv,ÉŠÖ~A,·,éŠ,,èž,Ý,í 2 ,Â, ,è,Ü,·[]BINT 8h ,Æ INT 1Ch
,Å[]Af^fCf}[][Š,,èž,Ý,Æ'[]ì,³,è,Ü,·[]BfvtfgfEfffA,af^fCf}[][,ÉŠÖ~A,μ,½'€[]ì,ð—
v<[],·,é[]ê[]#[]A'É[]í INT 1Ch ,É,Â,È,¬,Ü,· ([]L,ç^Ó-j,Åft[]fU[]['€[]ì,ð-
Ú"l,Æ,μ,½Š,,èž,Ý,ÆCE©,É,³,è,Ü,·)[]BINT 8h ,É,Â,È,®,±
,Æ,à, ,è,Ü,·,³CE«,ç'l'ð,Æ,íCE©,É,³,è,Ü,¹,ñ[]B

fvf[]fOf%of€ ,É,æ,Á,Ä,í[]AfVfXfef€fnf[]fbfnf`fbfv,ª,±,è,ç,ìŠ,,èž,Ý,ð[]¶[]¬,·,é'¬"x,ð·ì[]X,·,é,±
,Æ,ª, ,è,Ü,· (ffftfHf<fg,í 1 •bŠÖ,É 18.2 %oñ,Å,·)[]B·ì[]X,·,é[]ê[]#[]AfVf[]fOf%of€
,íffftfHf<fg'¬"x,ìfGf~f...fCE[]fVf#f",ð^ÚŽ[],·,é•K—v,ª, ,è,Ü,·[]B·ì[]X,μ,È,ç[]ê[]#[]AfVfXfef€Žž[][],í[]³
Šm,ÉŽž,ð[][],Ü,È,,È,è[]A,» ,ì¹¼,ì'€[]ì (fffBfXfn,ì"ü[]o—í,È,Ç) ,ÍŽ, "s,μ,Ü,·[]B

f^fCfgrfo

f^fCfgrfo, íEjBf"fhfE, Ü, ½, íf_fCfAfOf{fbfNfX, ìã•", É•\

Ž!,³, êAfeBf"fhfE, ÅŽÀs't, ìAfvfŠfP[fVf#"-¼, Ü, ½, íf_fCfAfOf{fbfNfX-¼, ð•\

Ž!, μ, Ü, ·BfeBf"fhfE, Æ^ê•", ìf_fCfAfOf{fbfNfX, ìf^fCfgrfo, É, íRf"fgf[f<fj...], ÆÅ-
%»AÅ'â%»ACE³, ìTfCfY, É-ß, ·f{f^f",^a, , è, Ü, ·

BfAfNfefBfufEfBf"fhfE, ìf^fCfgrfo, ìF, í"ñfAfNfefBfufEfBf"fhfE, ìf^fCfgrfo, ìF, Æ^Ü, È, è, Ü, ·B

fgfOf<

“®ŽĀ,Æ,μ,ÄŽg,⊗ê⊕⊗A”~,¶fRf“fgf□□[f<,Ü,½,í“®□ì,É,æ,Á,Ä 2 □ó’ÔflfufWfFfNfg
(f`fFfbfNf{fbfNfX,È,Ç) ,ì□ó’Ô,ð•í,ì,é,±,Æ□B
-¼ŽĀ,Æ,μ,ÄŽg,⊗ê⊕⊗A”~,¶‘€□ì (flfufWfFfNfg,ìfNfŠfbfN,È,Ç) ,Å 2
,Ä,ì□ó’Ô,ð□ø,è’Ô,ì,Ä,«,éflfufWfFfNfg□B

fc[f<fo

fAfvfŠfP[fVf#f“fEfBf“fhfE,É 1 —ñ,É•\Ž|,³,è,éŠG•¶Žš,ìRf}f“fhf{f^f“B’ÉifEfBf“fhfE,ìfifj...
[fo],ì^%º,É, ,è,Ü,·Bfc[f<fo[,íEfBf“fhfE,Ü,½,íAfvfŠfP[fVf#f“Á—
L,ìfifvVf#f“ ,Ü,½,íRf}f“fh,Éf}fEfX,Å,·,î,â,fAfNfZfX,Å,«,Ü,·B

fgf%oofbfN

fffBfXfN•\-Ê,î•" —□ftfH□[f}fbfg,î^ê•"□BfffBfXfN,î<L%~—î^æ,íŽŸ,ì,æ,α,É•Ò□¬,³,ê,Ü,·□B

• fffBfXfN•\-Ê,îŠe-Ê (□ã%oo)

(fn□[fhfffBfXfN,É,Í 3 ,Á^È□ã,ì-Ê,ª, ,è,Ü,·)

• fgf%oofbfN (ŽŸ<CfffBfXfN,î•\-Ê,É"~□S%o~□ó,ì—Ö,Æ,μ,Ä□@—ñ,μ,Ü,·□BCD-ROM ,ìfgf%oofbfN,ìfffBfXfN,ì[,©,ç't□S,É,ç,¹,ñ□ó,É'±,'P^êfgf%oofbfN,Å,·)

• fzfNf^ (fgf%oofbfN,ì 1 ,Á,ìCEÊ,ìCE` ,ð,μ,½•"•ª,ð□è,ß,Ü,·)

“]’—’¬“x

“]’—’¬“x, í 1 •bšÔ,ÉfffBfXfN,©,ç“Ç,ÝŽæ,Á,ÄfRf“fsf...

□[f^,ìf□f,fš,É”z’u,Å,«,éfofCf□”,đŽw’è,μ,·□B,±,ì’a’èšî€ ,ífffBfXfNfhf%oofCfu,ì^—□’¬“x,đ•]‰
¿,·,é,½,ß,ÉŽg,í,ê,Ü,·□B

TSR

Terminate-and-Stay-Resident , Ì—ªBTSR fvfOj%œ€ , ðuf , fŠí“ vvfOj%œ€ , Æ , à , ç , ç , Ü , · B
fRf“fsf... [f^ , Ì [RAM](#) , Éf [fh , ³ , è [AŽÀs't , Å , È , , Ä , àf , fŠă , ÉŽc , é DOS fvfOj%œ€ BTSR , Í
Windows 2000/XP , ÌfRf“fsf... [f^ă , Å , Í , « , Ü , ¹ , ñ B

□í“fvf□fOf%of€

fAf“fhfDftf@fCf<

Norton Disk Doctor ,³ffBfXfN,ð□C•œ,;,é'O,É□i□-,;,éftf@fCf<□BNorton System Doctor ,Í•K—
v,², ,ê,Î□AfAf“fhfDftf@fCf<,É,æ,Ä,Ä•İ□X,ðCE³,É-ß,¹,Ü,·□B

Unicode

Windows 98/Me ,ì'.çftf@fCf<-¼,Æ Windows 2000/XP ,ÅŽg,í,ê,é•¶ŽšfZfbfg□BUnicode
•¶ŽšfZfbfg,í 16 frfbfg (2 fofCfq) ,ìff□[f^,ðŽg,Á,Ä 1 •¶Žš,ð•\Œ», .,é,ì,Å□A65,536 (2 ,ì 16 □æ)
•¶Žš,Û,Å,ì□d•;ì,É,çfR□[fh,^a—p^Ó,³,ê,Û,·□B

UNC

Universal Naming Convention ,l-aBflfbfgf[]fN,ÅÚ'±,³,ê,é (ftf@fCf<,af[]fjff<fRf"fsf...
[]f^[]ä,É'[]Y,µ,È,ç,±,Æ,a, ,é) fRf"fsf...[]f^,ðfTf|[]fg,·,é,½,ß,É[]^Ä,³,ê,½ftf@fCf<-¼,ì•t,¯•û,ì-
ň'©[]B,±,ì•ûŽ®,Å,lfhf%ofCfu-¼,ÆfpfX,Æftf@fCf<,Å,Í,É,[]AfpfX ,Æftf@fCf<-
¼,ì'O,Éftf@fCf<,a"ü,Á,Ä,ç,élfbfgef[]fN,ì-¼'O,Æ 2 ,Ä,ì%o~<L[]† (\\) ,ð•t,¯,Û,·[]B

UMB

USER fŠf\[]fX

Windows 98/Me: Windows User f,fWf...[]f<—p,É—\-ñ,³,ê,½ RAM ,ì—ì^æ[]BUser f,fWf...
[]f<,íEjBf“fhfEŠÇ—[],ì-â'è,ð^—[],μ[]Af_fCfAf[]fOf{fbfNfX,â,»,ì'¼,ì GUI fRf“f[]fj“fg,ð^—
[],μ,Ü,·[]BWindows ,ì 3 ,Â,ìŽâ—vfTfufVfXfef€,íj[]fj<[]AGDI[]AUSER fŠf\[]fX,Â,·[]B

USER.DAT

Windows 98/Me: ft[]fU[][ŠÖ~A, ðfWfXfgfŠ[]î•ñ, ª“ü, Á, Ä, ç, é Windows
, ðftf@fCf<[]BfWfXfgfŠ[]î•ñ, ª“ü, Á, Ä, ç, éŽâ—v, ÈfVfXfef€ftf@fCf<, /E, µ, Ä USER.DAT , /E
SYSTEM.DAT , ª, , è, Û, ·[]B

VGA

Video Graphic Array , à Bfp [fif<fRf"fsf... [f^ , ÅŽg, í, è, éfrfffIfAf_fvf^f{ [fh, ÌŽí—b BPC
, ÌfrfffIfffBfXfvfCfC•W [€, Ì" "W, É, ", ç, Å VGA , Í EGA , ÌCã, ÉŠJ", ,³, è, Ù, μ, ½ BVGA fj [fh, É, Í, ç, -
, Å, ©, ÌfrfffIf, [fh, ^a, , è, Ù, ,^a AfOf%oftfBfbfN, ÆfefLfXfg, É, Å, ç, Å, Í 256 [F, Æ, ç, x \$CÈÀ, ^a, , è, Ù, , [B

f r f f f j o l f h

VRAM

frfffi%oñ~H,É,æ,Á,Ä, '¬¼ÚfAfNfZfX,ª,Å,«,é“Á•Ê,ÈŽí—p,ì [DRAM](#) BVRAM f`fbfv,í'Êí,ì DRAM
f`fbfv,æ,è,à,%,¿,Å,·B

VIM

Vendor-Independent Mail, ì—ª□Bf□□[f^fXŽĐ,É,æ,Á,ÄŠJ”,³,ê□ADLL,Æ,μ,ÄŽÀŒ»,³,ê,½ API□B
fVfXfef€,É VIM DLL,ª‘¶□Ý,·,é,±
,Æ,ð”FŽ˘,·,éfAfvfŠfP□[fVf#f“,Á,í□AfAfvfŠfP□[fVf#f“,©,ç’¼□Úf□□[f<,ð’—□M,Å,«,Ü,·□B

%o¼'zffofCfXfhf%ofCfo

• i□", i%o¼'zf}fVf", ðfRf"fsf...□[f^, ÅŽÀ□s, Å, «, é"Á•Ê, ÈŽí—p, ðffofCfXfhf%ofCfo□B
VxD ,ª 80386 fRf"fsf...□[f^, ð Windows ,É"±"ü,³,ê,½,Æ,«,"-□%o, ð<@"\, Í•i□", i%o¼'zf}fVf", ðfTf|
□[fg, ·, é, æ, ¢, É Windows ,ðŠg'£, ·, é, ±, Æ, Å, µ, ½□BÆ»□Ý□AVxD , ðffofCfX,ªÆ—š, Å, «, é, æ, ¢
, Éfn□[fhfEfffAfffofCfX,²,Æ, ð, ½, ß, É<¤'Ê, ð<@"\fZfbfg, ð—p^Ó, µ, Å□A, æ, è""□"I, ÈfffofCfXfhf
%ofCfo, ð—ðŠ,, ð%oÊ, ½, µ, Ü, ·□B

fffBfXfvfÆfC, È, Ç, ð'P^êfŠf□[fX, ðŠÇ—□, ·, é, ½, ß, É□ÝÆv,³,ê,½fRf"fsf...□[f^fR□[fh, ðf, fWf...□[f<□B32
frfbfg, ðfvf□fefNfgf, □[fh, Å"®□i, µ, Ü, ·□BVxD ,Æ, à, ç, ç, Ü, ·□BVxD , Í, ç, -
, Å, à, ðfXfÆfbfh, ð""Žž, ÈŽÀ□s, Å, «, é, ð, Å VxD ,ª , é, ÆfŠf□[fX, ð<¤—L, Å, «, Ü, ·□BVxD , ðf\
ftfgfEfffA, à□\$Cä, µ, Ü, ·,ª, Ü, Æ, ñ, Ç, ðê±, É□\$Cä, ·, é, ð, ðfn□[fhfEfffA, Å, ·□BVxD ,Æ, ç, ¢—
pCè, ð'è"Ê, È%o¼'zffofCfXfhf%ofCfo, ðŽw, ·, ½, ß, É, æ, Žg, ç, Ü, ·□B

VxD

VFAT

ftf@fCf<,ì“ü□o—í“®□ì,ð□^—□,·,é DOS ,ìTfufVfXfef€ ,ðŠg'£,·,é Windows 98 ,ì<@“\□BVFAT ,í DOS ,Æ“~ ,¶,æ,æ,É FAT □\`ç,ðŽg,ç,Ü,·,ª□ADOS ,Æ,í^Ü,È,è'·,çftf@fCf<-¼,ðfTf| □[fg,μ□A,Ü,Æ,ñ,Ç,ívf□fefNfgf.□[fh,Å“®□ì,μ,Ü,·□B

‰¼'zf}fVf"

fn[fhfEjFfAfffofCfX,ðfVf~f...fCE[fg,·,éftfgfEjFfA,É,æ,Á,Ä,ç,ê,éfRf"fsf...
[f^,ìŠÀ«BWindows ,Å,íA‰¼'zf}fVf",í"Æ—§,µ,½fRf"fsf...[f^,ðfVf~f...
fCE[fg,µA,» ,è,¼,è,³f,fŠŠf\X[Aftf@fCf<fVfXfef€fT[frfX[AfffofCfXfhf
‰fCfo. AŽü•Ó<@Ší,Ö,íAfNfZfX,È,Ç,íTf|f|fgfT[frfX,ð"ö,ı,Ü,·BfVfXfef€ VM ,í Windows
fAfvfŠfP[fVf†f",ÉŽg,í,è,Ü,·BDOS VM ,í Windows 98/ME ,ì DOS fEfBf"fhfE,ÅŽÀs,·,é DOS
fAfvfŠfP[fVf†f",²,Æ,ì,½,ß,É 1 ,Á, ,Á,³,è,Ü,·B
Windows ŠÀ«‰,Á‰¼'zf}fVf",í‰¼'zf}fŠf}fllfWff,É,æ,Á,Ä,ç,ê,è,Ü,·B,³,è,é
‰¼'zf}fVf",ì 1 ,Á,í Windows Ž©'ì (fVfXfef€,ì‰¼'zf}fVf") —pA1 ,Á,í 16 frfbfg,ì Windows
fAfvfŠfP[fVf†f"—pA1 ,Á,í"ñ Windows fAfvfŠfP[fVf†f"—p,Á,·B

%o¼'zf□f,fŠf}fI□[fWff

%¼'zf,fš

fvfOf%€ÉŽg,í,éf,fš,ì—e—Ê,ð,â,·,½,ß,ì<ZpBfnfhffBfXfNä,ì—ì^æ,ðŽg,Á,Ä [RAM](#)
,ðVf~f...fCf[fg,μ,Ü,·B,±,ì—ì^æ,^a Windows ,ìXfìbfvftf@fCf<,Á,·B

u%¼'zf,fšv,Æ,ç,κ—pCê,íufXfìbfvftf@fCf<v,Æ“~<,ÁŽg,κ,±,Æ,^a,è,Ü,·BRAM

,ÉfjyfCfìfefBf“fOfVfXfef€,ÁfvfOf%€

,ðŽÁs,·,é,½,ß,ÉŽg,κffBfXfN,ðŠÜ,ß,½ì<Æf,fš,ì±Cev,ðŽw,·^Ó-ì,ÁŽg,κ,±,Æ,à,è,Ü,·B

VMM

Virtual Memory Manager (%0¼'zf}fšf}f[]fWff) ,ì—ªBWindows 98/Me:

%0¼'zf}fVf“ ,đ\$Œä, ,é Windows flfyfŒ[]fefBf“foVfXfef€ ,ìžå—v, ÈfRf“f[]fj“fgBWindows flfyfŒ[]fefBf“foVfXfef€, È—p^Ó,³,ê,Ä,ç,éT[]fxfX,ì”¼•ª^Èä,í VMM ,É,æ,Ä,ÄžÀŒ»,³,è,Û,·B,± ,è,ç,ìfT[]fxfX,í (%0¼'zf}f,šš,đšÛ,ß,Ä,ì) f[]f,ššŒ—[]Af}f<f^fXfN,ì,½,ß,ìfXfŒfbfh,ì— D[]æ“xŒ^è[]Afn[]fhfEjfFfAfffofCfX,ìšŒ—[],È,ç,ì'áfŒfxf<,ìfifyfŒ[]fefBf“foVfXfef€<@”\,đ^µ,ç ,Û,·B

Windows 2000/XP: Windows ,í,ç,ì^—[]DEF_PROCESS ,É,à 4 GB ,ì%0¼'zfAfhfŒfX<óšŒ ([]— [],Œ,» ,ìfXfŒfbfh,ªžg,ì,éfAfhfŒfX<óšŒ) ,đ<-%0Ä,µ,Û,·B,µ,©,µ[]A,Û,Œ,ñ,ç,ìfRf“fsf... []f^ ,ªžÀ[]Û,É“<[]Û,µ,Ä,ç,é•—[]f[]f,šš (RAM) ,í 4 GB -ç-ž,Å,·B—~—p%0Ä”\,È RAM ,ª,ç,Á,ì,ç ,ì,Œ,«[]AWindows ,ìff[]f^,ì^è•”,đ^èžž“ì,È RAM ,©,çfffBfXfN,É^Û“® ,µ,Äf[]f,šš,đ<ó, ,Û,·B,±,ì^ —[],í VMM ,ª[]Œä,µ,Û,·B

fffBfXfN,É^Û“® ,³,è,½[]î•ñ,đ[]^—[],Û,½,ìfXfŒfbfh,ªfAfNfZfX,µ,æ,x,Œ,·,é,Œ[]AWindows ,ì— v<[],³,è,½ff[]f^,đfffBfXfN,©,ç RAM ,È-ß,µ,Û,·Bff[]f^,ì[]ufy[]fW[]v,ŒŒÄ,ì,è,é,©,½,Û,è,Œ,µ,Ä RAM fffBfXfN,ìšŒ,đ^Û“® ,·,é,ì,Å[]A,±,ì^—[],đ[]ufw[]fW[]^— []v,Û,½,ì[]ufy[]fWf“fo[]v,ŒŒÄ,Ñ[]A^èžž“ì,Èff[]f^ ,ª“ü,éfffBfXfN[]ä,ì“Á•È,Èftf@fCf<,đfy[]fWf“fo ftf@fCf<,Œ,ç,ç,Û,·B

Šö"«f,fš

"dCE¹,^a∅,è,é,Æff[f^,ªÁŽ,,:éRf"fsf...[f^,íf,fš,ìŽí—pBDRAM f`fbfv (PC ,ìŽâ<L%o` RAM)
,Æ SRAM f`fbfv,íf,fš,ÍŠö"«f,fš,Å,·B

f{fŠf...[f€ (~_—[fffbfxfN)

fRf“fsf...[f^,iff[f^,đŠi”[,·,é,½,ß,ÉŽg,í,ê,ééŠ□B,Ç,lf{fŠf...[f€,É,àRf“fsf...
□[f^,ªŽ·Ê,·,é,½,ß,ìd·j,ì,È,çf%ofxf<,ª·t,«,Ü,·□B

1 ,Â,lf{fŠf...[f€,í 1 ‘ä,iffbfxfN□A1 ‘ä,iffbfxfN,ì^ê·”□A·j□”,iffbfxfN,ì^ê·”□A1 -
{,lfe□[fv,É,Ç,l,ç,,ê,©,Â,□B’â—e—Ê,lf□[fhfffBfxfN,ì,ç,,Â,©,l·”·ª,É·ªŠ,,Â,«,Ü,·□B,»,x
,·,é,Æ□A,½,Æ,ì““,¶·” —[fffbfxfN,Éff□[f^,ª, ,Á,Á,àRf“fsf...[f^,ª·j□”,ì·ÊCEÀ,lf{fŠf...[f€
,Æ,μ,Ä^μ,ç,Ü,·□B,±,ê,lf|fbfgf□□[fn,Å<α—L,³,é,é’âCE^fhf%ofCfu,É,æ,CE©,ç,ê,Ü,·□B“—
l,É□A^ê·”,lf|fyfCE□[fefBf“fOfVfxfef€,í·j□”,lf□[fhfffBfxfN,ì,ç,,Â,à,lf□[fefBfVf#f“,đ (%opŽš 1
·¶Žš,lfhf%ofCfu-¼,ÄŽ·Ê,Â,«,é) ‘P^ê,lf{fŠf...[f€,Æ,μ,ÄCE<□‡,μ□ASg’£□«,ì□,,çftfH□lf<fgfgfCEf
%of“fX (1 ‘ä,lf□[fhfffBfxfN,ªCEì□á,μ,Ä,àVfxfef€,ì^âŽ~,đ-h,®·ùŽ®) ,đŽÀCE»,Â,«,Ü,·□Bf{fŠf...
□[f€,đufffbfxfNf{fŠf...[f€□v,Ü,½,ì□u~ —[fffbfxfN□v,Æ,à,ç,ç,Ü,·□B,Ç,lf{fŠf...[f€,É,à“Æ—
š,μ,½fu□[fafCEfR□[fh□Af<□[faffBfCEfNfafŠ□AftfHf<f_fcfŠ□[.ª, ,è,Ü,·□B

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