

Software
Synthesizer

FPD -ÚŽÝ

1. FPD97, ľŠT-v

2. ‘€□ì□à-¾

3. MIDI-p, ľ<È, ð•·, «•û

fTf|□[fg, μ, Ä, ç, éMIDI|Cfxf“fg

4. □ì<È, ľ, μ, ©, ½

MML, ľ•¶-@

fRf“fpfCf<Žž, ľ□o—íf□fbfZ□[fW

ŠyŠí‰‰¹□F‘î‰‰Ž•\

5. fTf|□[fg

6. fVfFfAfEfFfA“o~^, É, Â, ç, Ä

FPD97, IST—v

FPD97, í AMIDI‰o¹Œ¹, ī'á, í, è, ð, µ, Ä, , ê, éf\ftfgfEfFfA, Å, · Bfpf\fRf““à •”, īPCM
‰o¹Œ¹, ðŽg, Á, Ä, A'½d~a‰o¹, É, æ, éfŠfAf<f^fCf€‰o‰o't, ðŽAŒ», µ, Ä, ¢,
Ü, · B, à, í, á AMIDI‰o¹Œ¹, í•s—v, Á, · I

FPD97, í AGM/GS<KŠi, É'¹‰ož, µ, ½MIDIftf@fCf<(.MIDŒ`ž®]A.RCPŒ`ž®), É'¹
‰ož, µ, Ä, ¢, Ü, ·, í, Ä]AŒ»]Ý]o‰oñ, Á, Ä, ¢
, é, Ù, Æ, ñ, Ç, ìMIDIff]f^, ð]A[], cfNflfŠfefB, Å‰o‰o't, ^, ^, é, ±
, Æ, ^, Ä, «, Ü, · B, Ü, ½]AfŠfAf<f^fCf€Œ®"Ö•\Z]A‰o‰o'tff]f^, īWAVftf@fCf<]o—
í AMML(Music Macro Language), É, æ, é<Èff]f^, ī]i]o—]A, È, Ç, àfTf|
]fg, µ, Ä, „, è, Ü, · B

“Á’¥

□EPCM, ĩ‰o¹Œ]Fff]f^, í A(Š") KORG, æ, èf‰o]fCfZf“fX<-'ø, ðŽó, ^, ½, • i ^ È, È
‰o¹Œ]F”gŒ` , ðŽg—p, µ, Ä, ¢, Ü, · B
□E]Ä]¶fŒ]f[fg, ð" C^Ó, É•I, |, é, ±, Æ, ^, Ä, «, Ü, · B Še]I, ffpf\fRf“, i]f]f, fŠ—È, åCPU, i]«" \
, É, , í, ^, Ä]Å—Ç, i‰o‰o't, ^, Ä, «, é]Ä]¶fŒ]f[fg, ð'I'ð, |, é, ±, Æ, ^, Ä, «, Ü, · B
□EfobfNfO]fEf“fh, Å] ^—]o, ð]s, ¢, Ü, ·, í, Ä]A'½, i]fAfvfŠfP]fVftf“, ðŽg, ¢
, È, ^, çBGM, ð‰o‰o't, ^, é, ±, Æ, ^, Ä, «, Ü, · B
□EfŠfAf<f^fCf€Œ®"Ö•\Z], i]@"\, ö, |, Ä, ¢, Ü, · B‰o‰o't'†, i]ŠeŠyŠí, ^, Ç, i‰o¹ŠK, i
‰o¹, ð-À, ç, µ, Ä, ¢, é, ©, äfŠfAf<f^fCf€, É•^, ©, è, Ü, · B
□EfŠfo]fu, ÆfR]f‰o]fX, i]fGftfFfNfg, ð" ö, |, Ä, ¢, Ü, · B, æ, è, · i ^ È, È‰o¹Šy‰o‰o't, ^
‰o^" \, Ä, · B
□EMML(Music Macro Language), Æ, ¢, x
‰o¹Šy<L]qŒ³Œê, ðŽg, Á, Ä<Èff]f^, ð]i]o—, |, é, ±
, Æ, ^, Ä, «, Ü, · B MML, í'ZŽžŠÖ, Ä]o, |, “x, È<Èff]f^, ð"ü—í, |, é, i]ÉŒü, ¢, Ä, ¢
, Ü, · B MMML, É, æ, é<Èff]f^, i]fTf“fvf<, à•t, ¢, Ä, ¢, Ü, · B
□EPCM‰o¹Œ¹, È, æ, é, ·, ‘—, È
‰o¹Šy]Ä]¶, |, ½, ß, i"Æž©ftf@fCfŒ`ž®]u.FPDŒ`ž®]v, ð]i—p, µ, Ä, ¢
, Ü, · B ^ è" È, i]MIDftf@fCf<, å.RCPftf@fCf<, ð]A ^ è" x.FPDŒ`ž®, i]ftf@fCf<, È•i]š, |, é
, ±, Æ, È, æ, è, A] ^—]o“x, i]á‰oº, ð]Å'áŒÀ, È‰oÝ, ^, |, Ä‰o¹Šy, ð‰o‰o't, µ, Ä, ¢
, Ü, · B

ffffBfŒfNfgfŠ, Æftf@fCf<, i]à-¾

FPD97.EXE	fvf]fOf‰o]f€-{`
FPD97.DLL	fTfufvf]fOf‰o]f€
CFGCMP.EXE	FPD.CFG, ©, çFPD.CFB, ð]¶]o—, , éfRf“fpfCf‰o
FPD.CFB	‰o¹Œ]Ffpf‰o]f]f]f^]Y'eftf@fCf<(fRf“fpfCf<]i, Y)
FPD.CFG	‰o¹Œ]Ffpf‰o]f]f]f^]Y'eftf@fCf<
FPD97.HLP	FPD97—pfwf<fvftf@fCf<
MMLMAN.HLP	MMLf}fjf...fAf<—pfwf<fvftf@fCf<

HOTNEWS.HLP FPD97.ZIP
FPD97.INI FPD97.ZIP

[POP_SONG]	%oì—w<ÈffÙ[f^ÙiÙ!, PÙj
*.FPD	%o%o'tftf@fCf<ÙiÙ!, PÙj
*.TXT	Ù»ÙìŽÒfhfLf...fÙf“fgÙiÙ!, PÙj
*.WOS	%oìŽŒftf@fCf<ÙiÙ!, PÙj
[SAMPLE]	FPD97fTf“fvf<
*.MML	MMLfTf“fvf<ftf@fCf<
*.MID	MIDIftf“fvf<ftf@fCf<
*.FPD	Šg'fŽqMML, Ü, ½, ÍMID, æ, è • ÍS·, ³, ê, ½%o%o'tftf@fCf<
*.TXT	Ù§ÙìŽÒfhfLf...fÙf“fg
[KORG]	(S")KORG, ©, ç, ²'ñ<Ý', ¢, ½fTf“fvf<
*.MID	AG-DEMO, ÍMIDIftf@fCf<
*.FPD	Ùä<L, ìftf@fCf<, ©, ç • ÍS·, ³, ê, ½%o%o'tftf@fCf<
*.TXT	Ù§ÙìŽÒfhfLf...fÙf“fg
[PCM97]	FPD97, ÅŽg—p, ., éPCM%o¹ÙF"gŒ`ffÙ[f^
*.FPV	PCM%o¹ÙF"gŒ`ffÙ[f^
[PCM95]	FPD95, ÅŽg—p, ³, ê, Ä, ¢, ½PCM%o¹ÙF"gŒ`ffÙ[f^
*.FPV	PCM%o¹ÙF"gŒ`ffÙ[f^

Ù!, PÙFfVfFfAfEfFfA“o~ ^ ŽÒ, É—X‘—, Å“í, «, Ü, ·ÙB

MIDI—p, l<È, l•·, <•Û

,Ü,,AMIDIftf@fCf<(Šg'£Žq,^ä.MID,Ü,½,Í.RCP,Æ,È,Á,Ä,¢,é,à,l),ð—p^Ó,µ,Ä,-
¾,³,¢B.MIDŒ`Ž®,â.RCPŒ`Ž®,lMIDI,lf[ff[f^,íAfpf\\
fRf“’ÈM,âfCf“f^[[flfbfg]ä,Å“üžè‰oÂ”\,Å,·B—á,!,lANIFTY-
Serve,Å,µ,½,çuMIDI Data Forumv(GO FMIDIDAT),É'u,¢,Ä, ,è,Ü,·B
FPD97,ðžg,!,lAMIDI‰o¹Œ¹,ð,“ž,.,Å,È,¢•û,Å,à,,¢fNflfŠfefB,Å MIDIf[ff[f^,l
‰o‰o‘t,ð’®,±,Æ,^ä,Å,«,Ü,·B,¢,ë,¢,ë,Æf_fEf“f[]fh,µ,Ä‰o
‰o‘t,ð,“•·,«,É,È,Á,Ä,Ý,Ä‰oº,³,¢B

,È,“A.MIDŒ`Ž®,â.RCPŒ`Ž®,lMIDIff[f^,íA^ê“xAFPD,lê—
pŒ`Ž®,lftf@fCf<(Šg'£Žq,^ä.FPD,lf[ff[f^)
É•ïš·,³,ê,Ä,©,çÄ¶,³,ê,Ü,·BFPDftf@fCf<,É^ê“x•ïš·,µ,Ä,“,-,lA.MIDftf@fCf<,â.
RCPftf@fCf<,l•s—v,É,È,è,Ü,·B

fTf|fg,μ,Ä,¢,éMIDI|Cfxf“fg

@@fTf|fg,μ,Ä,¢,éMIDI|Cfxf“fg,δMIDI|Cf“fvfŠjf“fe|fVf#f“ff|fg•—,É‘,¢,½,à,ì,Å,·B

FUNCTION	Žó M	"õ
BASIC CHANNEL	1 `16	
MODE	OMNI OFF,POLY	
NOTE NUMBER	12 `107	1 `11,108 `127,à^ê‰ž‰Å"\
VELOCITY NOTE ON	> 9n,V=1 `127	
NOTE OFF	~	
AFTER TOUCH	~	
PITCH BENDER	>	Default Range 2
CONTROL CHANGE 1	>	Pitch Modulation
6	>	Data Entry (MSB) !1
7	>	VOLUME
10	>	PANPOT
11	>	EXPRESSION
98	>	NRPN (LSB)
99	>	NRPN (MSB)
100	>	RPN (LSB)
101	>	RPN (MSB)
PROGRAM CHANGE	> 0 `127	Ch.10,í0,25,É‘‰ž 0=STANDARD Set 25=ANALOG Set
EXCLUSIVE	>	Roland ID !2
COMMON(SONG,TUNE)	~	
REALTIME(CLOCK,COMMAND)	~	

|>|F, ,è

|~|F,È,μ

|!1 Pitch bend sensitivity when LSB=0 and MSB=0

|!2 Only GS Model is Supported

□ì<È,ì,μ,©,½

□œ^ê"Ê"Í,ÈŠJ"Žè□‡

,P□D MML<L□q,É,æ,èftf@fCf<,ð□ì□¬,μ,Ü,·□B
□@□Å□‰,ì"à,í□AMML,ì•¶-@,Æftf"fvf<MML,ð,à,Æ,É□ì□¬,·,é,Æ,¢,¢
,Å,μ,å,¤□Bftf"fvf<MML,í [SAMPLE]ffffBfŒfNfgfŠ,ì't,É"ü,Á,Ä,¢
,Ü,·□Bftf@fCf<,ìŠg'£Žq,í •K, „.MML ,É,μ,Ä‰‰º,³,¢□B

,Q□DfhfLf...f□f"fg,ì□ì□¬

FPD97,Å,í□A<È,ð‰‰‰'t't,ÉŠg'£Žq.TXT,ìftf@fCf<,ð•\Ž|,μ,Ä,¢,Ü,·□B<È,ì□à-
¾,ð•t,~,½,¢□ê□‡,É,í□A.TXTftf@fCf<,É□',¢,Ä,~,Æ•Ö—~,Å,·□B

fTf|fg

,²Žg—p,ÉŠÖ,·,é'·^Ó

□E-{f\ftfgfEfFfA,ì'~·Œ ,í—LŒÀ‰oïŽĐf‰ofbfg,É, ,è,Ü,··B
□E-{f\ftfgfEfFfA,ðŽg—p,μ,¹/₂,¢,©,È,é•s<·‡,É,Â,¢,Ä,à·A,±,ż,ç,É,» ,í·Ó”C,í,È,¢
,à,ì,Æ,³,¹,Ä,¢,¹/₂,³/₄,«,Ü,··B
□E-{f\ftfgfEfFfA,É“-·«,³,ê,Ä,¢,éPCM‰o¹·F”gŒ`ff·[f^,í·AŠ”Ž®
‰oïŽĐKORG,Æ,ìf‰o fCfZf“fXŒ_-ñ,ÉŠ†,Ä,¢,ÄŽg—p,μ,Ä,¢,é,à,ì,Ä,··B-³f—-—
p,í^ê·Ø,μ,È,¢,Ä,,³/₄,³,¢·B
□E•ìŠ·Œä,ìWAVftf@fCf<,ð·A-³·ž,Ä”z•z,·,é,±,Æ,ð<-
‰oÄ,μ,Ü,··B,¹/₂,³/₄,μ·A•ìŠ·Œ³,ìff·[f^,É•È,ì'~·Œ Žò,¤‘¶·Y,·,é·ê·‡,É,í·A,» ,í•û,
ì—¹·³,ð“³/₄,Ä,,³/₄,³,¢·B,È,“·A—L·ž,ðSó-],·,é·ê·‡,É,í,²’Š’k
‰o⁰,³,¢·BFPD·AMMLftf@fCf<,É,Â,¢,Ä,í·A—L·ž·E-³·ž,É,©,©,í,ç,,”z•z,íŽ©—
R,É·s,È,Ä,Ä,à,ç,ÄŒ<\,Ä,··B

fTf|fg

□@fTf|fg,í“dŽqf·[f<,ÄŽó,-·t,-,Ä,“,è,Ü,··B
fpd97@platz.or.jp

,Ü,¹/₂·A’Ê·M,¤,Ä,«,È,¢•û,Ä·A,Ç,¤,μ,Ä,à•K—v,È·ê·‡,í‰o⁰<L·Z·Š,Ü,Ä,²~A—·,-
,³/₄,³,¢·B

□§110-0008 “Œ<ž“s’ä“Œ<æ’r”V'[1-6-20
—LŒÀ‰oïŽĐf‰ofbfg FPD97ŒW
(TEL/FAX 03-5685-7181)

FPD97,ìfz·[f€fy·[fW

<http://www.platz.or.jp/~fpd97/>

□Ä·V··ñ·AfofO··ñ,É,Â,¢,Ä,í·ä·L,ÉŒf·Ú,μ,Ü,··B
^é··,·Ä·V”Ä,ðŽè,É“ü,ê,¹/₂,¢•û,àŒ©,É—·Ä,,³/₄,³,¢·B

fVfFfAfEfFfA“o~^,É,Â,¢,Ä

FPD97,ífVfFfAfEfFfA,·B
3,800%~·,ðANIFTY,í’—à'ãsfT[frfX,Ü,½,í—
X•Ö<ÇEûsCEûÀU,èž,Ý,É,Ä,“Žx•¥,¢%o³,¢B,È,“A}’Œ”,Ü,½,í—
X•Ö—^x‘Ö(3,800%~·²),ð’—,Á,Ä%o³,Á,Ä,à\,¢,Ü,¹,ñB
@
NIFTY,í’—à'ãsfT[frfX
@uGO SWREGv,ð“ü—
ÍŒâAûu3.—à'ãsfT[frfXvAûu2.‘—àfVfXfef€vAûu1.fVfFfAfEfFfA”Ôtž
w’èv,ð’±,¬,Ä’l’ð,μAfVfFfAfEfFfA”Ôt,Æ,μ,Ä6891”Ô,ðžw’è,μ,Ä
%o³,¢B’—àŠm”FŒâAID,ÆfpfXf[]fh,ð”dŽqf[]f<,É,Ä,²~A—v,μ,Ü,·B

«âsCEûÀ

‘æ^éŠ©Æâs ‘å^ä’—žx“X
CEûÀ”ÔtF•’Ê 1695834
CEûÀ-¼` F—LŒÀ‰iŽDf‰fbfg

—X•Ö<ÇCEûÀ

CEûÀ”ÔtF10170-74942691
‰Á“üŽò-¼F—LŒÀ‰iŽDf‰fbfg

—»“Œ”Œ—X•Ö—^x‘Ö,í—X—æ
§110-0008 “Œ<ž>s’ä“Œ<æ'r”V’[1-6-20
—LŒÀ‰iŽDf‰fbfg FPD97ŒW

U,èž,Ý,ð,³,ê,½•û,íA-¼’O[A]Z[Š]A[U]ž“ú,ðf[]f<,É,Ä,“m,ç,¹,,¾,³,¢B
f[]f<—•tæFfpd97@platz.or.jp
iNIFTY,í’—à'ãsfT[frfX,ð—~—p,³,ê,½•û,í•K—v, ,è,Ü,¹,ñj

ššš f‰fbfgžæ^μ»•i,í”-žžw“ü,íš,,è^ø,«,É,Â,¢,Ä ššš

FPD97,ífVfFfAfEfFfA’äà,Æ”-žž,É,“U,èž,Ý,È,³,ê,éê‡,É,íA
‰o³<L,í»•i,ð500%~^ø,«,É,μ,Ä,Ü,·B

E,I,j,q,ì‰¹Šy,b,c i‰‡Ši,P,,T,O,O‰~ij” ,P,,O,O,O‰~
.I,j,qž,‡AfAf}f`f...fA,ìf‰ofWflfhf‰of},Å,a,f,l,Æ,μ,Ä”•\,μ,Ä,«,½MIDIÈ,ð,P-
‡,l,b,c,É,Ü,Æ,ß,½,à,i,Å,·BfTfEf“fhfgf‰fbfN,Æ,μ,Äi—,³,ê,Ä,¢,é,ì,ÅA^é”È,ì
‰¹Šy,b,c,Æ,μ,Ä,“®,«,É,È,ê,Ü,·B
‰¹Œ¹FSC33,MU80,P50m,M-SE1,JV-2080i§ižžšú,Åžg—p
‰¹Œ¹,‡Ù,È,è,Ü,·j
@È”F25È,Ù,Ç

ŽžŠÔŒF60•‡,Ù,Ç

“-Žž,ÉŒw“ü,ðŠó-],³,ê,é•û,íŒAŒ‡Œv<àŠz 4,800‰~,ð,“ŒU,èŒž,Ý,,³/₄,³,¢ŒB
(,±,ìŒêŒ‡ŒA’—à’ãŒsfTŒ[frfX,í,²—~—p,Å,«,Ü,¹,ñ,ì,Å,²Œ^Ó,³/₄,³,¢)

,l,j,qŽ[],É,Â,¢,Ä

1971”N¶¶,Ü,ê[]B“þ—
ÇŒ§¶¶*¶*ŒS•½ŒQ’¬[]o[]g[]B1993”N¶H,ÉFPD97,ì’O[]g,Å, ,éFPD,ð”•\
[]B,»,ì[]æŒ©,ì-¾,,ì[]I,¤*Á*,«,ì[]º,ð[]ã,°,½[]Bfvf[]fOf‰of€ŠJ”-
Æ“-Žž,É[]ì<ÈŠ^“ ®,É,à—í,ð“ü,ê,Ä,¢,é[]B

,I,I,k,ì•¶-@

”@MML•\<L,É,Â,¢,Ä

@MML(,¢,í,ä,é<È,ìfXfŠfXfg),ì•¶-@,É,Â,¢,Äà-¾,µ,Ä,¢,«,Ü,·BfTf“fvf<<È,ìfXfŠfXfg,ðŒ©,È,¤,ç“Ç,ß,î”,è,â,·,¢,ÆŽv,¢,Ü,·B

@,Ü,·s“¤,ÉA,»,ìs,ìfp[fg-¼,ð],«,Ü,·B%

%o‘tfp[fg,íu”Žš(0~3){‰oþžš(A~P)v,Æ,¢,¤Œ`Ž®,ÅA,»,ì’¼,ì@”\,ðž,Åfp[fg,í‰oþžš,ì,Ý,Â•\<L,µ,Ü,·Bæ“¤,Éu0A v,Æ,·,î,»,ìs,íu0Afp[fg]v AT,Æ,·,é,ìuTfp[fg]v,Æ,¢,Å,½S’,¶,Å,·B
@FPD97,Å,í^È‰o,ìfp[fg,ðžg,¤,±,Æ,¤,Å,«,Ü,·B

0Afplfg ---- f`fff“flf<,P,ì‰o‰o‘t“à—e

0Bfp[fg ---- f`fff“flf<,Q,ì‰o‰o‘t“à—e
 ì“r’tÈ—¤j

0Pfp[fg ---- f`fff“flf<16,ì‰o‰o‘t“à—e

1Afplfg ---- f`fff“flf<17,ì‰o‰o‘t“à—e

1Bfp[fg ---- f`fff“flf<18,ì‰o‰o‘t“à—e
 ì“r’tÈ—¤j

3Pfp[fg ---- f`fff“flf<64,ì‰o‰o‘t“à—e

Tfp[fg ---- ‘S‰o¹• „·,Æ‰o‰oŠúfef“f|,ðéŒ¾

Vfp[fg ---- %o¹Fftf@fCf<,ì”Ôt,Ö,ìS,,è“-,Å

\$fp[fg ---- f}fNf‰i•¶žš—ñj,ìéŒ¾

!fp[fg ---- f^fCfjf<Ý’è

?fp[fg ---- ,»,ìs,ðžg—pÍ,Ýfp[fg,ÉS,,è“-,Å

@0A~0Pfp[fg,í”Žš,ì0,ðÈ—¤,µ,Ä‰oþžš^êžš,Å•\<L,·,é,±,Æ,¤o—^,Ü,·B

@‰o‘tfp[fg]i0A~3Pj,ÉŒÀ,Å,ÄA•À,x‘,«,¤,Å,«,Ü,·B,±,é,íA1,Å,ìs,É•j”,ìfp[fg,ðS,,è“-,Å,é@”\,Å,·B

—¤j

0A c2d4e4 >c8c8

0B c2d4e4 >c8c8

0A0B c2d4e4 >c8c8

@¤,ì,Q,Å,íA’S,“-,¶^Ó-¡,ð,·,ç,í,µ,Ü,·B

—¤j

1C c8d8e8f8

2E c8d8e8d8

1C2E c8d8e8

1C f8

2E d8

Í@,±,í,Q,Â,à ÁA'S,"-,¶^Ó-í,É,È,è,Ü,· B

Í@,Ü,½ ÁZš",ð,È,,·,é•\L,¤,Šô,Â,©—p^Ó,³,ê,Ä,¢,Ü,· B^È‰‰,É-}—á,ðž|,µ,Ü,· B

1A1B1C = Í@1[ABC]

1A2A = 12A

1A2A1B2B = 12[AB]

Í@?fp[fg,Í A]u0A~0P<y,Ñ A1A~3P,í,¤,³,»,ê ^È'O,Éžg—p,³,ê,½,±,Æ,í, ,éfp[f g]v,Æ,¢,¤,±,Æ,Â,· B"]²,ížw'è,â,É,æ,é‰‰'tfXfCfbf` ,È,C A'S‰‰‰‰'tfp[fg,É,©,~,½,¢-½—ß,ðžg,¤ž,É—~,Â,· B

—á]j,±,±,Ü,Â,É0A~0L,Æ1A,1Bfp[fg,¤žg,í,ê,Ä,¢,é]é]‡

? %

ABCDEFGHIJKLMNP1A1B %

Íä,í2,Â,í"-,¶^Ó-í,Â,· B%,í^Ó-í,Í AŒä]q,í-½—ß]à-¾,ðŒ©,Ä,,¾,³,¢] B

Tfp[fg,í]’ž®,í]A

T fef"fg,"S‰‰¹•,,í'·,³

Í@,Â,· B,Â,Ü,è]"žš,ð2,Â•À,x,ê,í,¢,¢,í,Â,· B

Í@fef"fg,Í]A<È,í‰‰‰‰'t'¬"x,Â,· B

Í@'S‰‰¹•,,í'·,³,Æ,Í]A'S‰‰¹•,(c1,È,C)

,ðžw'è,µ,½žž,í]Xfebfbfv",Â,· BMML"à,Â,í,±,í]"í,í-ñ]",¤

%‰¹•,,í'·,³,Æ,µ,Äžg,!,Ü,· B'S

%‰¹•,,=96,Æ,µ,½žž,Í]A1,2,3,4,6,8,12,16,24,32,48,96,¤žg,!,é,±,Æ,É,È,è,Ü,· B

Í@,±,í^Ó-í,¤,æ,"»,ç,È,¢]I,Í]A,Æ,è, ,!,.Í]uTfp[fg,í]2,Â-Ú,í]"žš,Í]192]v,Æ,¢

,¤"Fž",Â,¢,Ä‰‰³,¢]B,Ü,Í]A]·,µžx,!,í, ,è,Ü,¹,ñ]B

Í@Tfp[fg,ð]È—¤,µ,½]é]‡,Í]C]u]‰‰Šúfef"fg|=100,'S

%‰¹•,,·=192]v,Æ,Ý,È,³,ê,Ü,· B

—áj

T 107,192 fef“fg,ð107A’S%o1•,,ì’·,³,ð192,ÉY’è,μ,Ü,·B

@@Vfp[fg,íAPCMftf@fCf¹,ð%o1F”Ôt,ÉS,,è“-,Ä,Ü,·B’Ž®,íA

V number,Filename [\ keycode]

@@,Å,·B—á,!,íA[uV 2,STRENS2v,Æ,μ,½ê‡A[u
‰¹F”Ôt2”Ô,ÉSTRENS2,Æ,¢,¤PCM,ðŠ,,è“-,Ä,év,Æ,¢,¤,±,Æ,Å,·B,±
,ìéŒ³/⁹,², ,éMML,ì‰‰’tp[fg,Å[u2”Ô,ì‰¹,ðl’ôv,Æ,¢,¤-½—ß,², ,é,íA[uST
RENS2v,Æ,¢,¤ftf@fCf¹,É“ü,Á,Ä,¢,é‰¹,ðZg,¤,±
,Æ,É,È,è,Ü,·BVfp[fg,íA1s,Å1,Å,ìS,,è“-,Ä,μ,©,Å,«,Ü,¹,ñ,ì,Å[AŽg,¢,½,¢
‰¹,ì”,³/,~Vfp[fg,ðlì,Á,Ä‰º,³,¢B
@@,Ü,½AŒ®”Ö,ì•\Z!,ìÛ,ÉA’Á,Éfhf‰of€,ìê‡,íu,±,ì‰¹,íflfNf^fu,R,ìfh,ì
‰Óš,¤Œö,é,æ,¤,ÉŒÅ’è,μ,½,¢v,±,Æ,², ,è,Ü,·B,»,ìž,íAFilename,ìœäAf^
fu,©fXfy[fx,ð“ü,é,ÄA\24,É,ç,!,æ,¤,É“ü,é,Ä‰º,³,¢B,±
,ìê‡,ì24,íflfNf^fu3,ìfh,ì”Ôt,ÅflfNf^fu1,ìfh,²0,Å[A”¹/⁴‰¹-^,É,P’[],!,Ä,¢
,«,Ü,·B
@@ùéŒ³/⁹,μ,½‰¹F”Ôt,íAŠ{-{ “I,É,Í,»,ì‰‰‰’t’t,ì,Ý—LŒø,Å,·B
@@,Ü,½AVfp[fg,ÅéŒ³/⁹,μ,Ä,¢,È,¢‰¹F”Ôt,ðZg—
p,μ,½ê‡A,»,ì”Ôt,íAfRf“ftfBfOftf@fCf¹,ì*pcmfile’t,ÅY’è,³,é,½PCMftf@fCf¹
,²S,,è“-,Ä,ç,é,Ü,·B

@@\$fp[fg,íf}fNf[]iMML•¶žš—ñj,ðZw’è,μ,Ü,·B\$,ì”¹/⁴Œä,Éf}fNf[]-
¹/⁴,ð1•¶žši’å¬‰opžš[]{}”žš,Å62ží—þj“ü,é,Ä[A,»,ìœä,©,çf}fNf[],ì”à—
e,ðl’,¢,Ä,¢,«,Ü,·B]éŒ³/⁹,μ,½f}fNf[],í‰‰‰’tfp[fg]AA`P,ÅŽg,¤,±
,Æ,²,Å,«,Ü,·B

—áj@

\$t @2p-5v110 c

@@s“²,É,±,!,æ,¤,É’,-,íA\$t,Æ,¢,¤f}fNf[],ìéŒ³/⁹,³,ê,½,±,Æ,É,È,è,Ü,·B,±
,ìó’Ô,Å[A,`[],ofp[fg,Å \$t ,², ,é,íA@2p-5v110c ,Æ’[,©,é,½,!,Æ“-,¶Ó-
,!,É,È,è,Ü,·B

@@^Èä[A’S,Ä,]fp[fg,Å,íG]ifZf~fRf]f“]j,²,P]s’]žß•¶,Æ,μ,ÄŽg,!,Ü,·B]G,ðŒ
©,Å,“,é,Æ[A,»,í]s,í]”—[],ð,»,±,Ä’]ž~]AžY,í]s,É]”—[],ð]U,μ,Ü,·B

@@lfp[fg,íf^fCfgf<]Y’èfp[fg,Å,·B]I,É’±,¬,Äf^fCfgf<•¶žš—ñ,ð<L“ü,μ,Ä
‰º,³,¢B,±,!,¶žš—ñ,íAFVIEW,Å‰‰æ-Ê]ä•”,É•\Z!,³,é,Ü,·B,Ü,½A”È‰º,¡•¶-
@,², ,é,Ü,·B

@@E]I,Æ•¶žš—ñšÔ,¡”¹/⁴špfXfy[fx]Af^fu,í-³ž<,³,é,éB

@@E•¶žš—ñ,í]A‰,²,í]ê‡A,»,é,ífXf^][fgf]}][fN,Æ,Ý,È,μ]Af^fCfgf<,É

%ooÁ,!,È,¢·B

□@,±,ì‘¼Afpg[fg]éŒ¾,À,í, ,è,Ü,¹,ñ,¤A]s“¤,É / ,ðŒ©,Â,~,½Žž,í]AŽŸ,É]s“¤,É
*,ðŒ©,Â,~,é,Ü,ÀfRf“fpfCf<,ðfXfLfbfv,μ,Ü,·]B

—á]j]@

/

0A c2 f2 e1 r4c4f4e4d4c4

0B g2 a2 b1

*

,±,ìŽž]A/ ,Æ * ,À²,Ü,ê,½,Q]s,í]Rf“fpfCf<,³,ê,Ü,¹,ñ]B

□@^È]ä]A]à-¾,ì, ,À,½•¶Žš^ÈŠO,ì•¶Žš,¤]s“¤,É, ,À,½]ê]‡]A,» ,ì]s,í-
³Ž<,³,ê,Ü,·]B

”

□@,`]` ,o,À,ì]AŽÀ]Û,ì%oo‰’tff[fg,ì•\L,ð]à-¾,µ,Ü,·]B
□@,±,±,À,í]A‰‰‰’t,ðŽwŽ|,·,é‰‰¹• „,x• „,Æ]Afhf‰‰fCfo,Ü,½,í]Rf“fpfCf‰‰
,É]ó’Ô,ì•‰‰» “™,ðŽwŽ|,·,é]Rf}f“fh,ðŽg,À,Ä,¢,±,Æ,É,È,è,Ü,·]B

□@‰‰¹• „,í]A,]` ,‡,ì]fAf<ftf@fxfbfg]i]–•¶Žš]j,À•\,µ,Ü,·]B

,f=fh]@,,=fŒ]@,...=f~]@,t=ftf]@,‡=f]@,=f‰‰]@,,=fV

□@,ì,æ,¤,É¹‰ž,µ,Ü,·]B]”ifVff[fv]A”¹¼‰‰¹]¤,°,é]j,ð,À,~,½,¢Žž,í]{}]A,,]iftf
‰‰fbfg]A”¹¼‰‰¹‰‰º,°,é]j,ð,À,~,½,¢Žž,í]l,ð‰‰¹• „,ì¹¼Œ¤,É,À,~,À‰‰º,³,¢]B

—á]j

a+ f‰‰,ì]”,ð•\,µ,Ü,·]B

e- f~,ì]ftf‰‰fbfg,ð•\,µ,Ü,·]B

e+ ,±,ì]ê]‡,í]Af~,ì]”¹¼‰‰¹]¤]Aftf@,É,È,è,Ü,·]B

□@

□@‰‰¹• „,Ü,½,í]x• „,ì]Œ¤,É,í]A,» ,ì]’·,³,ð]u]` •¤‰‰¹• „,]v,Æ,¢,¤P^È,ÀŽw'è,µ,Ü,·]B

—á]j

c2 fh,ì]Q•¤‰‰¹• „

d+8 fŒ]”,ì]W•¤‰‰¹• „

□@,ì,æ,¤,É,È,è,Ü,·]B,È,“,±,±,ì]”Žš,í]A,sfp[fg,ì]Q,À,ß,ÀŽw'è,µ,½]u'S
‰‰¹• „,ì]’·,³]v,ì]ñ]”,ì]Y,¤Žg,ì]Ü,·]B’¹¼,ì]”Žš,ðŽg,¤,Æ’·,³,¤,„,©,µ,-
,È,è,Ü,·,ì]À’]Ó,µ,À‰‰º,³,¢]B

□@’·,³,ì]Žw'è,í]A]”Žš^ÈŠO,É,àŽg,ì]é,à,ì]¤, ,è,Ü,·,ì]ÀA^È‰‰º,ÉŽg—p—á,ð—

ñ<L,μ,Ü,··B

-}—á[]j

2. • „ „ _ , Q • a%o¹ • „ , ·B , Q • a%o¹ • „ , AE , » , į" 1/4 • a , į' · , ³ i [] , S • a
%o¹ • „ , ·j , ð' < , μ , 1/2' · , ³ , É , È , è , Ü , ·B
4.. • „ „ _ , ð , Q , Ä , Ä , - , é , ± , AE , à , Ä , < , Ü , ·B , ± , į [] t , i [] A , S • a
%o¹ • „ , AE , » , į" 1/4 • a , į' · , ³ i [] , W • a%o¹ • „ , ·j , AE [] A [] X , É , » , į" 1/4 • a , į' · , ³ i [] , P , U • a
%o¹ • „ , ·j , ð' < , μ , 1/2' · , ³ , É , È , è , Ü , ·B
2^16 , ± , ê , í , Q • a%o¹ • „ , AE , P , U • a%o¹ • „ , ð' < , μ , 1/2' · , ³ , É , È , è , Ü , ·B
2-16 , ± , ê , í , Q • a%o¹ • „ , © , ç , P , U • a%o¹ • „ , ð^ Ø , ¢ , 1/2' · , ³ , É , È , è , Ü , ·B , ± , ê , í , Q , Ä [] ä , ï
4.. , AE ' S , " - , ¶' · , ³ , ð^ O - ; , μ , Ü , ·B

·@ , ± , ê , ç , ï • \< L , í [] A ' · , ³ , P %o ñ , ï' † , Ä [] A • ; " Ž g , x , ± , AE , a , Ä , < , Ü , ·B

-}—á[]j

- 2.^16 • „ „ _ , Q • a%o¹ • „ , AE , P , U • a%o¹ • „ , ð' < , μ , 1/2' · , ³ , É , È , è , Ü , ·B
4^1-8 , S • a%o¹ • „ , AE ' S %o¹ • „ , ð' < , μ , Ä [] A , W • a%o¹ • „ , ð^ Ø , ¢ , 1/2' · , ³ , É , È , è , Ü , ·B

·@ %o¹ · Ž w ' è , ï Ž ž , É [] A • K — v , È [] " Ž š , ð [] È — a , μ , 1/2 [] ê [] A [] È — a%o Ž , É , í ' S , Ä Š —
{ ' · i , C Ef Rf } f " fh , Ä Ž w ' è [] A Ž w ' è , a , È , ¢ Ž ž , í , S • a%o¹ • „ , ·j , a , , é , à , ï , AE , Ÿ , È , μ , Ü , ·B

-}—á[]j , C E [] i Š i - { ' · · j , a , S • a%o¹ • „ , į [] ê [] t , Ä , ·B

a f%o , i%o¹ , Ä , · , a [] A ' · , ³ , a [] È — a , ³ , ê , Ä , ¢ , é , ï , Ä , C E , ï ' l , a%o¹ · , É , È , è , Ü , ·B

a. • „ „ _ , S • a%o¹ • „ , É , È , è , Ü , ·B

a^16

a16^ , ± , ï , Q , Ä , í [] A — 1/4 • û , AE , à , S • a%o¹ • „ , AE , P , U • a%o¹ • „ , ð' < , μ , 1/2' · , ³ , Ä , ·B

a^ , ± , ê , í Š i - { ' · , ï ' { , ³ [] A , Q • a%o¹ • „ , É , È , è , Ü , ·B

a^ ^ , ± , ê , í Š i - { ' · , ï , R " { [] A • „ „ _ , Q • a%o¹ • „ , Ä , ·B

·@ ' P ^ È , ð [] u [] ` • a%o¹ • „ , ·v , Ä , í , È , Ä [] u [] f X f e f b f v [] v , Ä [] ' , , ± , AE , à [] o — ^ , Ü , ·B , ±
, ï Ž ž , í [] A [] " Ž š , ï ' O , É ~ , ð , Ä , - , Ä Ž w ' è , μ , Ä %o ² , ³ , ¢ [] B

-}—á[]j , sfp [] fg , Q , Ä , B , ï [] " Ž š [] i ' S %o¹ • „ , ï ' · , ³ [] j , a 192 , į [] ê [] t , Ä , ·B

c~192 fh , i%o¹ , ð 192 f X f e f b f v [] A , Ä , Ü , è c 1 , AE ' S , " - , ¶' Ž - ; , É , È , è , Ü , ·B

c4-~1 , S • a%o¹ • „ , © , ç , P f X f e f b f v ' Z , , μ , 1/2' · , ³ , Ä , ·B

·@ , μ , © , μ [] A , , Ü , è C E © , É , , ¢ • \< L , í Š O ^ á , ¢ , ï , à , AE , Ä , , © , ç [] A " ð , - , 1/2 • û , a , ¢ , ¢
, Ä , μ , å , x [] B , È , " [] A %o¹ · , a , O ^ È %o ² , É , È , é , æ , x , È Ž w ' è , ð , , é , AE f G f %o [] , É , È , è , Ü , ·B

"

·@ Ž Ÿ , É f Rf } f " fh , ð [] A ^ È %o ² , É — ñ < L , μ , Ä , ¢ , < , Ü , ·B

·@ , È , " [] A f G f t f F f N f g [] § C ä , É Š Ö , , é f Rf } f " fh , í [] A E F F E C T . D O C , ï • û , É < L [] Ú , ³ , ê , Ä , ¢

,Ü,·,ì,Å
,»,{,ì•û,ð,²—%o⁰,³,¢B

= =====
=====

” m@`@n,Ž fJfbfR“à,ðŒJ,è•Ô,μ%o%o‘t,·,é
(n:0~255)

@@,¢,í,ä,éf<[fv,Å,·Bf<[fv”,íŒä’¤,íJfbfR,íŒä,É”Žš,ÅŽw’è,μ,Å
‰⁰,³,¢BflfXfefBf“fO[i½df<[fv]j,Í,P,Ud,Ü,Å‰oÅ”\,Å,·B

—á[]j
[cde]3 fJfbfR“à,ð,R‰oñ‰o‰o‘t,μ,Ü,·B,Å,Ü,ècdecdecde,Æ“-,¶,Å,·B

@@,Ü,½Af<[fv“à,ÉFifRf]f“]j,ð“ü,ê,é,±
,Æ,É,æ,Á,ÄAf<[fvfAfEf,ðŽw’è,·,é,±,Æ,¤o—^,Ü,·B,±,ê,íAf<[fv,íÅŒä,í,P
‰oñ,ð,»,íé,Å”²,¬o,·,à,ì,ÅAŠy•^•\L,í@u,Pu,Q@,ð‰
‰o‘t,³,¹,½,¢Žž,È,Ç,ÉŽg,ì,Ü,·B

—á[]j
[cd:ef]3fa ,±,ê,í cdef cdef cdःa ,Æ‰o‰o‘t,μ,Ü,·B

= =====
=====

” ,r ŠÈ^ÖfR[f<æ“¤éŒ³/⁴
,s ŠÈ^ÖfR[f<,lfšf^[]f“lfR[f<’t,Å,È,~,ê,í-³Ž<]j
,t ŠÈ^ÖfR[f<

@@,R,Å,lfRf}f“fh,Åf`fff“flf<“àŠÈ^ÖfR[f<,ð]s,¢
,Ü,·B,tfRf}f“fh,É,æ,èA,r,Æ,s,íŠÔ,ð‰o‰o‘t,³,¹,é,±
,Æ,¤,Å,«,Ü,·B,r,Æ,s,íA,t,íO,É,È,~,ê,î,È,è,Ü,¹,ñB

—á[]j
S cdef T g4g4 U
,±,ê,íA cdef g4g4 cdef ,Æ‰o‰o‘t,μ,Ü,·B

@@f<[fv,Æ,ì,©,ç,Ý,É’]Ó,μ,Å‰⁰,³,¢B,r,Æ,s,íŠÔ,Åf<[fv,ðŽg,¤,±,Æ,í\,¢
,Ü,¹,ñ,¤A,r,Æ,s,ðf<[fv,ì“àŠO,É,í,~,È,ç,æ,¤,É,μ,Å,-
,³/⁴,³,¢B,Ü,½A,r]` ,sŠÔ,Åf<[fv,ðŽg,Å,ÄA16df<[fv,ì’t,Å,tfRf}f“fh,ðŽg,Å,Ä,àf
Gf‰o[],Æ,È,è,Ü,·B

Æ—áj

S [cdef T g]2

=====

=====

” ,k <È,ìÄfXf^[]fg,ðéCE³/₄,·,é

=====

@@ÀŒä,Ü,À‰‰’t,μ,½Œä,ÉÅA,k,·,é,Æ,±,ë,©,çÄfXf^[]fg,·,é,æ,¤,
,É,È,è,Ü,·ÅB,k,·,È,¢é‡,í,» , Ü,Ü‰‰’t,ðl—¹,μ,Ü,·ÅB

=====

=====

” □• ‘OŒä,ì‰¹,ð,Å,È,°,é

=====

@@’OŒä,ì‰¹,ð,Å,È,°,Ü,·if^fCÅfXf
‰Å[ÅjÅB<i”l,É,ÍfLÅ[fiftÅfLÅ[flf”,ðÅs,í, ,ÉŽY,ì‰¹,É^ÅÅs,μ,Ü,·ÅB
@@,±,ìfRf}f“fh,íÅA‰¹•,,ì¹/₄Œä,É“ü,ê,È,,Ä,í,È,è,Ü,¹,ñÅB

—áj

a4&b4 ‘OŒä,ì‰¹,ð,Å,È,—,Ü,·
a4)&b4 ,±,ê,íÅA‰¹•,,ì¹/₄Œä,É,È,¢,ì,ÅfGf‰Å[,Å,·ÅB
a4&)b4 ,±,ê,íÅ,<,Å,·ÅB

=====

=====

” ,Œ,Ž Ši-{-,ð•íÅX,·,é
(n,í‰¹•,,Æ““,¶'P^È)

=====

@@‰¹•,,ÅE<x•,,ìŒä,ì‰¹·Žw’è,ðÅÈ—,μ,½Åé‡ÅA,±,ì,ŒfRf}f“fh,ÅÅY’è,μ,Å,“,¢,
½’l,¤‰¹·,É,È,è,Ü,·ÅB‰‰ÅSúl,í,SÅi,S•¤‰¹•,,Åj,Å,·ÅB
@@‰¹•,,ÅE<x•,,ì‰¹·Žw’è,Æ““,¶,ÅA•,,_,ð,Å,_,½,è ^ ,å - ,Å’,³,ì
‰ÅŒ,·,Å,«,Ü,·,^,·,¬,é,ÆÅifXfefbfv,·,Q,T,T,ð‰Åz,!,é,ÆÅjfGf
‰Å[,É,È,è,Ü,·,ì,ÅÅA,ŒfRf}f“fh,Å,íŽw’è,í’S‰¹•,,^Å‰‰,ì‰¹·,É,μ,Å,“,ì,·,ì,Å
·,ì,Å,·ÅB

—áj

|8 ccc ,±,ê,íc8c8c8,Æ““,¶‰‰‰’t,É,È,è,Ü,·ÅB

=====

=====

” “,Ž %o¹F,ð•ÍX,·,é

(n:0~255)

%o¹F,ð,Ž"Ô,É•ÍX,µ,Ü,·B%o¹F,í,ufp[fg,Â'è<`^,³,ê,Ä,¢,È,-,ê,Î,È,è,Ü,¹,ñB
 %o¹F•ÍX,ìž,ÉA%o¹Fff[f^“à,ÂfGf“fxf[]fv,³Y'è,µ,Ä, ,ê,ÎfGf“fxf[]fv•ÍX,à
 ,í,¹,Äs,¢,Ü,·B
 @%o%o'tSJŽnŽž,ì%oŠú'l,í,O,ÉY'è,³,ê,Ä,¢,Ü,·B

=====

=====

” ,-,Ž %o¹—Ê,ð•ÍX,·,é

(n:0~135)

”),Ž %o¹—Ê,ðä,º,é

” (,Ž %o¹—Ê,ð%oº,º,é

(n:1~127,È—ž,í,P)

@%o¹—Ê,ð•ÍX,µ,Ü,·B”'l,³,å,«,¢'öA%o¹,í,³,å,«,,È,è,Ü,·B
 %oŠú'l,í111,Â,·Bv=135,ìžAÅ'å,Å15ËP-Ä,ìo—í,³, ,è,Ü,·Bfl[fo[ftf[],ì”»'
 è,í,Å,Ä,¢,Ü,¹,ñ,ì,ÅA'Ó,µ,Ä%oº,³,¢B,³/4,¢,½,¢v=100~130, ,½,è,ÅŽg,¤,ì,³,¢
 ,¢,©,ÆŽv,í,ê,Ü,·B

—áj

v120 %o¹—Ê,ð,P,Q,O,ÉY'è,µ,Ü,·B

) %o¹—Ê,ð,Pä,º,Ü,·B

(3 %o¹—Ê,ð,R%oº,º,Ü,·B

=====

=====

” “Q,-,Ž ^ÈŒä,ì,-Žw'è,ð,Ž,³/4,-•í%o»,³,¹,é

(n:-127~127)

@,±,ì-½—ß,³, ,é,ÆA,»,ìf`fff“flf<,ì,»,ê^È~ì,--½—ß,íA'S,Ä,Ž,ð
 %oÅ,!,½'l,É,È,è,Ü,·BŽå,ÈŽg—p-Ú“l,íA<È,¤S®¬,µ,Ä,©,ç'Sì,ì%o¹—
 Ê,ð'²ß,·,é,±,Æ,Å,·B,l,k,ìÅ%o,ÉA

? _v2

@@,Æ“ü,ê,ê,î[A,»,{È‘S’ì,‰¹—Ê,ª,Q[ã,ª,è,Ü,·[B,½,¾,µ[A,±,
,íŽw’è,É,æ,Á,À135,ð‰z,!,é,æ,¤,È,-,ª, ,ê,ÍfGf‰[,ª[o,Ü,·[B

=====

=====

” ,[],Ž flfNf^fu,ðŽw’è,·,é
(n:1~8)

” ,[], flfNf^fu,ð,P[ã,º,é
” ,f flfNf^fu,ð,P‰º,º,é

@@@flfNf^fu,ðŽw’è,μ,Ü,·[B‰Šú’I,í,S,Á,·[B

=====

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” ,n,Ž flfNf^fu,í‰•ûŒü,Ö,ì,·,é,ðŽw’è,·,é
(n:0~4)

@@,e,o,c,íVer1.0”•“-žž[AflfNf^fu,P[` ,W,Ü,Á,μ,©[l—¶,³,ê,Ä,¢
,È,©,Á,½,ì,Á,·,ª[A,±,ê,¾,¬,í,³/4,Æ•s“s[‡,ª[¶,¶,Ä,,é,±,Æ,ª, ,è,Ü,·[B,±,±,Á,±
,ÍfRf}f“fh,ª[Y’è,³,ê,Ü,μ,½[B

@@@,»,Íf`ffff“flf<,‰‰’t,ð,žflfNf^fu,¾,‰º,º,Ü,·[B”]’2fRf}f“fh,Æž—
,½,æ,¤,Èžg,¢•û,ª,È,³,ê,Ü,·,ª[A,nfRf}f“fh,í‰¹’öfe[fuf<,É,³,¶,μ,Ä,¢,È,¢
,í,Á[AflfNf^fu0,â-1,É,Ü,Á[H,¢ž,P,±,Æ,ª[o—,Ü,·[B

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” ,[],Ž fpf“f|fbfg,ðŽw’è,·,é
(n:-127~127)

” ,o,Ž fpf“,ð¶¶,É,·,ç,·

” ,p,Ž fpf“,ð‰‰E,É,·,ç,·
(n:1~127,È—,ž,í,P)

@@fpf“f|fbfg,ð[Y’è,μ,Ü,·[B”’I,í[A,O,ª’†‰›,Á¬,³,,È,é,Ù,C¶¶,æ,è[A’å,«,,È,ê,í

%oE,æ,è,É,È,è,Ü,·Bfpf“,‰—Ê,Æ“-,¶’I,¾,¬Šñ,Á,½ŽžA”½‘Î’¤,©,ç‰¹,‡–
 Â,ç,È,,È,è,Ü,·B
 @,È,“Afpf“f|fbfg,ð,©,¬,é,Æ,Ù,ñ,ì,μ—,‡d,,È,è,Ü,·,ì,ÅA,ç,Á,ç,Å,à,¢,¢
 ,æ,¤,Èf`fff“flf<,Å,íA,®,Oíi’t‰>j,ì,Ü,UŽg,¤,±,Æ,ð,“E,ß,μ,Ü,·B
 @‰Šú’I,í,O,Å,·B

—ájj

p4	fpf“,ð,S,ÉY’è,μ,Ü,·B,±,ìŽž,í‰¹,‡,â,â‰E,æ,è,É,È,è,Ü,·B<í’I,É,í %oE,ì‰¹—Ê,‡{,SxA¶,ì‰¹—Ê,‡ ,S,É,È,è,Ü,·B
}2	fpf“,ð,Q,¾,‰E,É,„,ç,μ,Ü,·B

{ fpf“,ð,P,¾,¶¶,É,„,ç,μ,Ü,·B

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” Q,Ž “]’²,ðŽw’è,·,é

(n:-95)`95)@

” QQ,Ž “]’²,ìŽw’è,ð,„,ç,·

(n:-24)`24)

@“]’²-½—ß,Å,·BQ,Ž,í’IxAQQ,Ž,í’S’”]’²,Å,·B
 @,Ž,ì’I,í,P,‡”¹/₄‰¹,É’Š”-,μ,Ü,·B—á,ì,îQ,R,ÆŽw’è,·,é,îA,f,í‰¹,‡,...|A,,,ì
 %o¹,‡,†E|E|E,Æ,¢,¤,æ,¤,É”]’²,μ,Ü,·B”]’²,ífhf‰ofCfo,‡—
 ,μ,Ü,·,ì,ÅAf<|[fv,ì’t,ÉŽg,Á,½,è,·,é,±,Æ,à‰oÅ”\,Å,·B

—ájj

4	”]’²I,ð,S,ÉY’è,μ,Ü,·B
[c_1]12	”]’²I,ð,P,Å,Å,„,ç,μ,È,‡,çA12‰ñf< [fv,μ,Ü,·B,± ,é,ícc+dd+eff+gg+aa+b ,Æ“-,¶‰‰’t,É,È,è,Ü,·B

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” ,”,Ž fef“f|,ð•íX,·,é

(n:6~255)

@fef“f|i‰‰‰’t’¬“xj,ðÄY’è,μ,Ü,·B,È,“A,±,ìfRf}f“fh,ífhf‰ofCfoŽd—
 ,ì’s‡,É,æ,èA,`fp|[fg,ì,Ý,Å—LŒø,Å,·B’¼,ìfp|[fg,Å,í-³Ž<,³,é,Ü,·B

—ájj

t120	fef“f 120,É,μ,Ü,·B,±,é,í,P•‡ŠÔ,É,S•‡‰¹•,,‡120‰ñ,ìfy [fX,Å,·B
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” ,c,Ž fff`f...[f“ifsfbf`fxf“fh=j,íÝ’è

(n:-127~+127)

@@fsfbf`fxf“fh,ðÝ’è,μA%o%o’tŽž,É”÷-,É%o¹’ö,ð,,ç,“,<,^a, ,è,Ü,·B”’l,í³,ì•û
Œü,^a%,%o¹’x,ÅA•%,ì•ûŒü,^a’á%o¹’x,É,È,Ü,·B,O,ÉÝ’è,·é,AE[A
%o¹’ö@,í,,ê,È,,È,è,Ü,·B%oŠú'l,í,O,Å,·B

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” ,’,Ž,PxC,Ž,Q fQ[fgf^fcf€,íÝ’è|iCE,žzz®j

(n1:0~255,n2:1~255 n2,íÈ—^aŽž,É,P)

@@%o¹,ìØ,è•û,ðŽw’è,μ,Ü,·B%o¹,ðAŒä,ë,©,ç,Ž,PfXfefbfv,ì,Æ,±
,ë,ÅfL[fift,μ,Ü,·B

—á]j

@@n1=0(def.),ìŽžAc8d8,Æ%o%o’t,^{3,1},é,Æ[A

@@{-----}{-----}{---->ŽžŠÔ,íCEo%oß

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@a

@@,±,±,Å,f,ì%o¹,ì@@@@,±,±,Å,f,ìfL[fift@,±,±,Å,,,ì
@fL[fif”@@@@@@“-Žž,É,,,ìfL[fif”@@@fL[fift

n1=2,ìŽžAc8d8,Æ%o%o’t,^{3,1},é,Æ[A

{-----}{@{-----}{-----}{@{---->ŽžŠÔ,íCEo%oß

@@@@@@

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
,±,±,Å,f,ì@@ @@@@b,±,±,Å,,,ì@@@@@@@@@bŽÝ,ì%o¹

fL[fif”@@@@@@@@@bfL[fif”@B@@@@@@@b

@@@@@@@@@@@@@@@@@<K’èŽžŠÔ,ì@@@@@@@@@,±,±,Å,,,ì

@@@@@@@@@@@@@@,â,âŽè’O,Å@@@@@@@fL[fift

@@@@@@@@@@@@@fL[fift@B

@@,Å,Ü,èAfQ[fgf^fcf€,ðÝ’è,·é,Æ[A%o¹,Æ%o¹,ìŠÔ,^a,,,æ,x,É,È,Á,Ä[A
%o¹,ìŽ•Ø,ë,^a,æ,,È,è,Ü,·Bn1,^aå,«,,È,é,Ù,ÇŠÔŠu,íL,,È,è,Ü,·B

□@n2,Ín1,Æ,Íkt,ÉAu’O,©,çÅ’á,±,ê,¾,¬,jfXfefbfv,ífL[f]f“,μ,Ä,“,v,Æ,¢,
,¤”’I,Å,·Bn2,Ín1,É—Dæ,μ,Ü,·Bn2,ìY’è,íE—ª,μ,Ä,à\,¢,Ü,¹,ñB

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□” ,p,ž fQ[f]fgf^fCf€,ìY’è|iæžžž®j
(n:1~32)

□@

%o¹,ìØ,è•û,ðŽw’è,μ,Ü,·Bä,ì,’,É,æ,éfQ[f]fgf^fCf€Y’è,íuæ,ë,©,çŽw’è’l,¾,
¬ø,v•û-@,ÅfL[f]ft,jf^fCf~f“fO,ðŒ^’è,μ,Ü,μ,½,¤A,±
,ç,ì,p,É,æ,éY’è,íAu’·,³,Én/32,ðS|,¬,½’l,v,ì,Æ,±,ë,ÅfL[f]ft,μ,Ü,·B
□@,ž,ì%oŠú’l,í32,Å,·B,Ü,½A,Qží—P,ìfQ[f]fgf^fCf€,ð“-žž,Éžg,¤,±,Æ,à%oÅ’\
,ÅA,»,ìê‡,íA,±,ç,ðæ,ÉŒvžž,μ,Ü,·B

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□” ,l,^C,“C,,C,- frfuf%o[f]fg,ð,©,¬,éB
(h:1~255,s:1~255,d:0~255,v:+32767~-32767)
,l,O frfuf%o[f]fg,ðf]ft,É,¬,éB

□@frfuf%o[f]fgižü”g”,É’l,·,é,ä,³,Ô,è]j,ð,©,¬,é,æ,¤,É,μ,Ü,·B
□@Še”’l,ì^Ó-; ,ðà-¾,μ,Ü,·B

h □U•,ð•\,μ,Ü,·B<’l,É,íŒä]q,ìu,-v,Å,ì^Ú“ ®,¤%o½
%oñ, ,ê,î½’l@]@]@Œü,«,É,È,é,©A,Æ,¢,¤,±,Æ,Å,·B

s %o½fXfefbfv,É^ê%oñ,ì^—,ðs,¤,©A,ð•\,μ,Ü,·B

d fffBfŒfC,ð•\,μ,Ü,·BfL[f]f“,©,ç,,,fXfefbfv,íSÔ,íAfrfuf
%o[f]fg,í@]@]@]@,©,©,è,Ü,¹,ñB

v ^ê%oñ,ì^—,Å,ì^Ú“ ®—È,ð•\,μ,Ü,·B,Ü,½A³•%o,ìžw’è,ÅÅ%o
,ì^Ú“ ®•û@]@]@Œü,ð•\,μ,Ü,·B

,±,ì-½—ß,íAf^fC,ÅŒq,¢,Å,©,¬,é,±,Æ,ío—^,Ü,¹,ñB”]s,³,ê,½žY,ífL[f]f“,©,ç
—LŒø,É,È,è,Ü,·B

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□” ,o,^C,C f|f<^f]f“fg,k,e,n,ìY’è

(h:-95~95,l:1~255)

,o,O f|f<f^f|f“fg,k,e,n,ì‰øðœ

||@f|f<f^f|f“fg,k,e,n,ðŸ‘è,μ,Ü,·B,±,ì-½—ß,ðŽg—p,·,ê,îu‰¹,Æ‰¹,ð,È,ß,ç,©,ÉŒq,®,±,Æ,ª,Å,«,Ü,·Bh,íA^Ú“®—È,ÆŒü,«,ÅA1,ª”¹/₄‰¹,ð•\ ,μ,Ü,·B³,È,çãA•‰,È,ç‰º•ûŒü,É,È,Ü,·BI,í^Ú“®,É,©,_,é’,³,ÅA‰¹•,,Æ“-,¶’P^È,É,È,é,Ü,·B

||@,±,ì-½—ß,íu,C,ì,,ç,¢,ìžžS,ð,©,_,Ä,C,ì,- ,ç,¢^Ú“®,·,é,©v,ðŸ‘è,·,é,³/₄,-,ì,à,ì,Å,·B‰¹•,,â,»),ìŒä,ì‰øðœ,í”s,μ,È,¢ ,ì,Å’^Ó,μ,Ä‰º,³,¢B

—áj

c4&P7,4c4&P0g2

,±,ê,íA,fifhj,ð,S•‰¹•,,‰¹,μ,ÄA,»,ìŒä,S•ª‰¹•,,³/₄,-,©,_,Ä,È,ß,ç,©,É,‡ifhj,Ü,Å^Ú“®A,»),μ,Ä,‡,ð,Q•‰¹•,,”-‰¹,μ,Ü,·B,f,©,ç”¹/₄‰¹,V,Åã,Éã,°,é,Æ,‡,É,é,ì,ÅA,o,ì’æ^éfpf‰ofñ[f^,í,V,É,È,é,Ü,·B,Ü,½AŽg—pŒä,í,·,®,Éflft,É,μ,Ä‰º,³,¢B

||@u,S•‰¹•,,v,Å^Ú“®,·,é,ÆŽw’è,μ,½,ì,ÉA,S•‰¹•,,ð‰z,!,½”‰¹,ðs,È,x ,ÆA’Èí,ìfrfuf‰[fg,Æ“,¶,ûŒü,É-h,ê,Ü,·B,±,ê,ð,¤,Ü,Žg,¤,± ,Æ,àl,!,ç,ê,È,¢,Å,í, ,è,Ü,¹,ñB

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||” ,h,^C,“C,„C,- ‘æ,Rfrfuf‰[fg,ð,©,_,é

(h:1~255,s:1~255,d:0~255,v:+32767~-32767)

||” I,O ‘æ,Rfrfuf‰[fg,ðflft,É,·,é

||@’æ,Rfrfuf‰[fg,ðŽw’è,μ,Ü,·B•¶-@,í’æ,Pfrfuf‰[fgi,lfRf}f“fhj,Æ’S,- “-,¶,Å,·,ì,ÅA,»),ç,ðŽQÆ,μ,Ä‰º,³,¢B

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||” ,d fGf“fxf‰[fvC`ó,ðŸ‘è,·,éB

||i•¶-@,í‰º—“,Åà-³/₄j

||@fGf“fxf‰[fvŸ‘è-½—ß,Å,·B

||@fGf“fxf‰[fv,Æ,íAŽžS,É,æ,é‰¹—È,ì•í‰»),Å,·BŽw’è,í,©,È,è,â,â,±,μ,-

,È,Á,Ä,ç,Ü,·,ì,Å[]A,æ,,í,©,ç,È,ç•û,í,Æ,è, ,l, ,±,l-½—ß,ÍfpfX,µ,Ä
 %oo³,ç[]B,l,l,k,ÉŠµ,ê,Ä,ç,ç,ç,Í[]A,±,lfrf}f“fh,ížg,í,È,,Ä,à,»,ç•sŽ©—R,íš
 ‘,¶,È,ç,í, ,Å,·[]B
 []@,Ü, ,ÅAŠî-{ •¶-@,Í[]A

E AL,AR,DR,SL,DRB,SLB,SR,RR,TL,MR

[],Æ,µ,Ä[]A,d,ìCEä,É10CEÄ,ì”žš,ð•À,x,Ü,·[]B,±
 ,ì”žš,É,æ,Á,ÄfGf“fxf[]fvCE`[]ó,³CE^,Ü,è,Ü,·[]B,±,ì,ç,AAR,DR,SL,SR,RR
 ,ì,T,Â,í,e,I%o¹CE¹“™,Åžg,í,ê,Ä,ç,½^Ó-ì,Æ'S,“-,¶,Å,·[]B,»,ì,T,Â,ðŠÜ,ß,Ä,P,Â, ,Â
 %ooð[]à,µ,Ü,·[]B

AL (Attack Level) 0~127

[],@%o¹,²-Â,èŽn,ß,éŽž,ì[]A[]Å[]%oo,ì%o¹—Ê,Å,·[]B,e,I%o¹CE¹,Å,í[]í,É,O,Å,µ,½,³[]A,±
 ,lhf%ofoCfo,Å,O,©,ç[]ä,°,Ä,ç,,Æ[]A—§,ç[]ä,²,è,²,â,½,ç'x,š’,¶,Ä,µ,Ü,ç,ì,Å,±
 ,ì”l,δ,Â, ,Ü,µ,½[]B%o¹,ì—§,ç[]ä,²,è,δ,ä,A,,è,É,µ,½,çZž,í,V,O[]`X,O,®,ç,ç
 ,É]Y’è,µ,Ä%o³,ç[]B
 []@,È,“[]AAL=127,Æ,µ,½[]ê[]#AfAf^fbfN•”,í-³ž<,³,ê,Ü,·[]B,±,ìžž,ížY,ì,`q,ì
 'l,í'S,^Ó-ì,ðž[],ç,Ü,¹,ñ[]B

AR (Attack Rate) 0~95

%o¹,²-Â,èŽn,ß,Ä,©,ç[]A%o¹—Ê,², “_,É'B,·,é,Ü,Å,ìfxfs[]fvh,Å,·[]B95,²[]Å’¬,Å
 ,·,²[]A,±,lhf%ofoCfo,ìfGf“fxf[]fv,í, ,Ü,è,^Ú[]s’¬“x,²[],,È,ç,ì,Å[]AAR,í,³/4
 ,ç,½,ç95,©[]A'x,,Ä,à92~93, ,½,è,Åžg,Å,½•û,²,ç,ç,ÆŽv,ç
 ,Ü,·[]B’,“_,í]E]í127,É,È,è,Ü,·,²[]AÇä[]q,ìTL,ð]Y’è,µ,½[]ê[]#A,»,ì”'l,², “_,É,È,è,
 Ü,·[]B

DR (Decay Rate 1) 0~95

SL (Sustain Level 1) -127~127

[],±,ê,à,e,I%o¹CE¹,ìDR,SL,Æ'S,“-,¶,Å,·[]B%o¹—Ê,², “_,É'B,µ,Ä,©,ç,ìCE,[]S—
 È,ðSL,,»,ìCE,[]S’¬“x,ðDR,Åžw’è,µ,Ü,·[]B,±,ì”'l,ð•%o
 ,É,·,é]ê[]#ATL,ð127+SL,ì'l,É]Y’è,µ,ÄfAf^fbfN,ð[]§CEÀ,·,é•K—v,², ,è,Ü,·[]B—
 á,ì,ìSL=-4,ìžž,ìTL=123^È%o³,Å,È,,Ä,í,È,è,Ü,¹,ñ[]B

DRB (Decay Rate 2) 0~95

SLB (Sustain Level 2) -127~+127

[],±,ì,Q,Â,í,e,o,c‘Á—L,ìžw’è,Å,·[]B,±,ê,íDR,SL,²,à,ç^ê'g, ,é,ÆŽv,Å,Ä
 %o³,ç[]BSLB,ð•%o,É]Y’è,µ,½[]ê[]#A^ê“xCE,[]S,µ,½
 %o¹,²[]Ä,Ñ[]äCEü,«,É,È,è,Ü,·[]B[]@,Ü,½[]ASLB=0,Æ,µ,½[]ê[]#,í]AfGf“fxf[]fv[]^—
 ,í,r,q•”,É]U[]s,¹, ,É]AfL[]fl,Ü,Å,»,ì,Ü,Ü[]i•½[]s^U“®[]j,É,È,è,Ü,·[]B

SR (Sustain Rate) 0~95

SR (Sustain Rate) 0~95

,» ,jfxfs[]fh,ðžw'è,μ,Ü,·BSR=0,Æ,μ,Ä,à•½s,É,í,È,è,Ü,¹,ñB

RR (Release Rate) 0~95

fL[]flft,μ,Ä,©,ç,ìCE,òS,jfxfs[]fh,Å,·B'[]^Ó"_,Æ,μ,ÄA
‰¹„ „fRf}f"fh"“x„,ì‡,É•Ä,ñ,Å,ç,½ê‡AC,òS‰¹,ífRf}f"fh,ì
‰ÓòS,ÅòÁ,¡,Ä,μ,Ü,çAZÝ,ìx„,Ü,Å,ç,©,È,ç,Æ,ç,¤žd—I,², ,è,Ü,·B‰¹,Æ,©
‰¹„ „“x„ „fRf}f"fh,Æ•À,Ô,æ,¤,É,μ,Ä,,³/₄,³,çB

TL (Total Level) 0~127

,±,ê,íAfAf^fbfN•”,²|—¹,·,é‰¹—È,ÅòAòi,Ü,Å,`fRf}f"fh,ðžw'è,μ,Ä,ç
½”’I,Æ“-,¶^Ó-i,Å,·B'ÈíufAf^fbfN,‰¹—È,²127,É,È,é,Ü,Å'±,òv,Æ,ç,¤žd—
I,Å,·,²ATL,ðžw'è,·,ê,íA,»,‰¹—È,É,È,Å,½žž“,ÅfAf^fbfN•”,í|—
¹,µžÝ,ì•”•äiffffBfPfC•”jj,É^Úòs,μ,Ü,·B,±,ì”’I,íAZÝ,iffffBfPfC•”,ÅòX,É‰¹—
È,ðòä,°,½,çê‡,Éžw'è,μ,Ü,·B,ç,í,ä,é,Q'ifAf^fbfN,ì,æ,¤,ÈŠ’,¶,²•\CE»òo—
^,Ü,·B

MR (Moving Rate) 0~12

DR,DRB,SR,É,æ,é^Ú“®žšò,ðòA’,-
,μ,Ü,·BMR=0,ìê‡,íAòi,Ü,Å,Æ“-,¶,Å,·,²AMR=1,È,çòi,Ü,Å,ì,Q”{AMR=2,È,ç
òi,Ü,Å,ì,S”{EŒEŒ,Æ,ç,¤,Ó,¤,É^Ú“®žšò,²,È,Å,Å,ç
,«,Ü,·B,Ü,½òAòi,Ü,Å,ISLB=0,ìžž,É,í‰¹,í‰„,Ñ’±
,,Ü,μ,½,²AMR>0,ìê‡,íDRB,ÆSLB,²¤,É0,Å,È,ç,Æ‰„,Ñ,Å,Å,¬,È,ç
,ì,ÅòA’ò^Ó,μ,Ä‰º,³,çB-{—,È,çADR,DRB,SR,ìžw'è”í,Æ'P^È,ð•I,!,ê,î
‰ðŒ^,·,é,ì,Å,·,²AŒÝŠ,·,ì-â'è,ðòI,!,ÅòA,±,ì,æ,¤,È•ûŽ®,É,È,è,Ü,μ,½òB•¶-
@“I,É,íòX,Ý,É,,ç•”•², ,è,Ü,·,²AŒä—eží‰º,³,çB

,È,“AAR,DR,DRB,SR,RR,ì- -fŒfg,Æ,Â,à,ì,Aò”’I,²å,«,ç,Ù,Ç^Úòs,í’¬,-
,È,è,Ü,·B(,ç, ,ê,àÅ’å’I,²95,Å,±,ìžž,²Å’¬,È,È,è,Ü,·jj
TL,MR,íAVer2.1,Å'Ç‰Á,³,ê,½fpf‰of[]f^,Å,·B‰¹Fftf@fCf<“à,É,í,±
,ì,Q,Å,ìfpf‰of[]f^,í“o~^,³,ê,Å,ç,Ü,¹,ñB—-½—ß,Å‰¹F,ð•íòX,μ,½ê‡A,±
,ì,Q,Å,í‰‰šú‰»,³,ê,Ü,·B(TL=127,MR=0)

—áòj

E127,95,80,4,40,2,20,85,127,0

E110,93,40,2,1,0,0,85,127,0

,±,ê,í,Q,Å,Æ,àA,·,×,Å,ì”’I,ðòY’è,·,é—á,Å,·B

,ç,ì”’I,àAÈ—²,‰Å”\,Å,·BÈ—
²,·,ê,î,»,ì”’I,í•íòX,μ,Ü,¹,ñB,Ü,½”žš,ð10,Å•À,x, ,ÉòA“r’t,ÅòI,í,é,±,Æ,à‰Å”\
,Å,·B

—áòj

E127,,,0,,70 AL=127,SLB=0,RR=70 ,ÉòY’èA,»,ê^ÈŠO,í•íòX,¹,,B

E110,20 AL=110,AR=20 ,ÉÚÝ'è,µ,Ü,·ÙB

"r't,©,ç"''ÍÚÝ'è,ðÙs,¤,±,Æ,à,Å,«,Ü,·ÙB

-áÙj

EDR40,4 DR=40,SL=4 ,ÉÚÝ'è,µ,Ü,·ÙB
ESR0 SR=0 ,ÉÚÝ'è,µ,Ü,·ÙB

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□" ,d,m,ž %o¹F•ÊfGf“fxf□[fvCE` Ùó”ÔÙt,ðŽw'è
(n:0~3,ÙÈ—¤ž,ífffftfHf<fg,ð^Ó-¡)

,±,ífhf%ofoCfo,Å,ÍÙA%o¹Fff□[f^-,ÉÙÅ,,Sží—
þ,ìfGf“fxf□[fv,¤ÚÝ'è,µ,Ä, ,è,Ü,·ÙB,±,ì-½—ß,É,æ,Á,ÄÙAfGf“fxf□[fv,ì,¤
,ż,ç,ê,©,ð'I,ñ,ÅÚÝ'è,·,é,±,Æ,¤o—^,Ü,·ÙBŠ®'S,ÉŽv,¢'È,è,ìCE` Ùó,í,È,-
,Ä,àÙAÙä,ì,d-½—ß,æ,è,í,í,é,©,ÉŠÈ'P,ÉŽg,!,Ü,·ÙB
,È,“ÙA%o¹F,É,æ,Á,Ä,í,QÙ` ,Rží—þ,µ,©Ù€”ø,µ,Ä,¢,È,¢,±,Æ,¤, ,è,Ü,·ÙB-
¢ÚÝ'è,ì”ÔÙt,¤žw'è,³,ê,½žž,íÙAfGf“fxf□[fv,ì•ÙX,ðÙs,¢,Ü,¹,ñÙB
,ž,ðÙÈ—¤,µ,½ÙêÙ‡,íÙA,OÙ` ,R,ì,¤,żÙAfffftfHf<fg”ÔÙtÙi
‰o¹F•ÙX,ìžž,É'I,î,é,éÙj,ðŽw'è,µ,½,±,Æ,É,È,è,Ü,·ÙB

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**□" ,emode,iv,l1,v1,l2,v2,¥¥,ln,vn,¥¥@Ùl8,v8,Ü,Åžw'è‰oÅ”\ÙjÙ@‰o¹
—ÊÙ,,^Ù,ðÙÝ'è**

(mode:1~3,iv:-63~63,ln:‰o¹’žw'è,Æ“-,¶,vn:-63~+63)

□" ,e,O %o¹—ÊÙ,,^Ù,ð'âž~

Ù@‰o¹—ÊÙ,,^Ù,ðÙÝ'è,µ,Ü,·ÙB

Ù@,±,ê,íÙA,P,Å,ì‰o¹• ,“à,Å‰o¹—Ê,ðÙä‰oº,·,é,½,ß,ì-½—ß,ÅÙAfGf“fxf□[fv,ì—þž
—
Ù@”\,Æ‰oðžß,µ,Ä-á,!,ê,î,¢,¢,ÆŽv,¢,Ü,·ÙB,½,¾ÙA,±,ż,ç,íÙiš’,ð•ÙCE»,µ,â,·,¢
,æ,¤,ÉÙì,Á,Ä, ,è,Ü,·ÙB

Ù@-½—ß,ìši-{“I,ÈÙI,|•û,íÙu,ž•‰o¹• „,¾,“,ìžžšô,ð,©,“,Å‰o¹—Ê,ð,—Ùä,ºÙi
‰oº,ºÙj,éÙv,Æ,¢,¤ÙCEä,ð~A’±ÙiÙå,WCEÅ,Ü,ÅÙj,µ,ÄÙÝ'è,µ,Ü,·ÙBf|f<f^f“fg,ì
‰o¹—Ê”Å,Æ,àCE¾,!,é,©,à'm,ê,Ü,¹,ñÙB

Ù@šefpf‰ofof^-[f^,ì^Ó-¡,ðÙà-¾,µ,Ü,·ÙB

mode: „^Úf, „[fh, „[Ý' è
 @@emode=1, È, çŽÝ, „[P‰‰¹, ¾, „[É„, „[Ú, „[æ, „[ç, „[è, „[Ü, „[·B, „[±, „[í]é„‡, „[í], „[»,
 „[í]P‰‰¹, „[äfL„[flft, „[μ, „[½Žž„_, „[ÅŽ„“ „[®“ „[í]É„, „[Ú-½-„[ß, „[í-³Œø, „[É, „[È, „[è, „[Ü, „[·B
 @@emode=2, È, „[çfL„[flf„- „[^, „[É“- „[¶„, „[Úfpf„[f„ „[æ, „[ç, „[è, „[Ü, „[·B, „[±, „[í]é„‡, „[í]A„, „[Ú-
 ½-„[ß, „[ðŽ~, „[ß, „[éŽž, „[EF0, „[ÅŽ~, „[ß, „[é•K-v, „[æ, „[è, „[Ü, „[·B
 @@emode=3, È, „[çfL„[flf„[AfL„[flf„ „[ð-³Ž<, „[μ, „[Ä„, „[Ú, „[ðŒp’±, „[μ, „[Ü, „[·BŽw’è, „[³, „[ê, „[½
 ‰‰¹-„[É„, „[Ú, „[æ]I- „[¹, „[·, „[é, „[í]AŽÝ, „[í]fL„[flf„ „[ç„, „[Ú-½-„[ß, „[æ-³Œø, „[É, „[È, „[è, „[Ü, „[·B

iv: „%‰ŠÚ‰‰¹-„[É]i„[ãŒü, „[«, „[æ]³]j
 @@@fGf“fxf„[fv, „[Æ]³•‰‰, „[æ]t, „[È, „[í]A„[Ó, „[μ, „[Ä‰‰², „[³, „[ç]B
 @@@
 ln, vn: „[Ž”Ô-Ú, „[ì‰‰¹, „[^, „[Ú“ „[®‰‰¹-„[É
 @@, „[±, „[ì]Q, „[Å, „[í]u, „[Œ• „[æ‰‰¹, „[ì]·, „[³]Å, „[-, „[³]¼, „[‐‰‰¹-„[É, „[ð]ä, „[°, „[é]v, „[Æ, „[ç, „[x]„[Ó-
 „[í]Å, „[·]B, „[Q, „[ÅfyfA, „[Å, „[P, „[Å, „[í]§Œä, „[É, „[È, „[è, „[Ü, „[·]B„[í]Å’å, „[W‰‰ñ, „[í]§Œä, „[æ]o- „[^, „[Ü, „[·]j
 @@ln, „[í]A‰‰¹, „[Å, „[·]B‰‰¹, „[’P^„[É, „[ÅŽw’è, „[μ, „[Ü, „[·]B• „[“, „[_, „[È, „[C, „[à]Žg-p]o-
 „[^, „[Ü, „[·]Bvn, „[í]Aln, „[ÅŽw’è, „[μ, „[½‰‰¹, „[ŠO, „[É]‰‰Á, „[·, „[é‰‰¹-„[É, „[Å, „[·]Bf}fCfifX, „[É, „[·, „[é, „[í‰‰¹-
 „[É, „[í]Œ, „[·]B, „[μ, „[Ü, „[·]B

@@-á, „[ð]Ž!, „[μ, „[Ü, „[·]B
 @@@F1,-3,2,-2,4,0,2,2
 @@@@@@@@~~~~~ ~~~~ ~~~~
 „[ŽÝ, „[ì]P‰‰¹, „[¾, „[‐, „[Ö, „[ì]Žw’è, „[Å, „[·]B’„[É]‰‰¹-
 „[É, „[æ, „[è, „[R]¬, „[³, „[ç]ó, „[Ô, „[ÅfL„[flf„ „[μ]A, „[» „[í]Œä, „[Q• „[æ‰‰¹, „[ì]ŽžŠÔ, „[ð, „[ç, „[‐, „[Ä‰‰¹-„[É, „[æ, „[Q
 „[‰‰², „[æ, „[è, „[Ü, „[·]B, „[» „[í]Œä, „[S• „[æ‰‰¹, „[ì]ŠÔ‰‰¹-„[É, „[í]• „[í‰‰¹, „[¹, „[ç]A, „[» „[í]Œä, „[Q• „[æ
 „[‰‰¹, „[ì]ŽžŠÔ, „[ð, „[ç, „[‐, „[Ä‰‰¹-„[É, „[æ, „[Q]ä, „[æ, „[è, „[Ü, „[·]B

"g]ü, „[Å, „[Ü, „[Æ, „[ß, „[Ä, „[é, „[ì]A, „[P‰‰ñ, „[í]§Œä, „[Å, „[·]B, „[±, „[í]é„‡, „[í]R‰‰ñ, „[í]§Œä, „[ð]s, „[È, „[Á, „[Ä, „[ç
 „[Ü, „[·, „[æ]A, „[±, „[é, „[æ]Å’å, „[W‰‰ñ, „[Ü, „[ÅŽw’è]o- „[^, „[é, „[í], „[Å, „[·]B, „[È, „[í]A”‰‰¹†, „[É, „[±
 „[í]fRf}f“fh, „[É, „[æ, „[é]§Œä, „[æ]I, „[Á, „[½]é„‡, „[í]A„[flft, „[Ü, „[Å, „[» „[ì]Ü, „[Ü, „[ì‰‰¹-„[É, „[æ]±, „[«, „[Ü, „[·]B

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 ======
 @@ „[, „[Ž „[fGf“fxf„[fv, „[í]fAf„[fbfN„• „[”, „[í]A’„[É]í, „[í]127, „[Ü, „[Å]ä„[·]„[, „[μ, „[Ü, „[·, „[æ]A, „[±
 „[í]fRf}f“fh, „[Å, „[» „[ì]äŒÀ, „[ð]Žw’è, „[·, „[é, „[± „[Æ, „[æ, „[Å, „[«, „[Ü, „[·]BAL, „[æ, „[è, „[à]’á, „[ç]”’l, „[ð]Žw’è, „[μ, „[½]é„‡, „[í]A, „[±, „[ç, „[æ-„[D]œ, „[Æ, „[È, „[è, „[Ü, „[·]B
 „[·, „[æ]„[í]fRf}f“fh, „[ÅfAf„[fbfN, „[ð- „[}, „[ì]Ä, „[·, „[‐, „[í]AfffBfPfc„• „[”, „[Å]X, „[É‰‰¹-„[É, „[ð]ä, „[°, „[é, „[±, „[Æ, „[æ, „[æ, „[‰‰Ã”\„[Å, „[·]B, „[Q’ifAf„[fbfN, „[ì]æ, „[æ, „[È]’Š’Šo, „[ÅŽg, „[ì]• „[Ö- „[~ „[È, „[±, „[Æ, „[æ, „[è, „[Ü, „[·]B

,±,ljfRf}f“fh,íAETL,Æ,Ù,Ú“,¶^Ó-¡,É,È,è,Ü,·BŒÝŠ·,l-
â’èäŽc,µ,Ü,µ,½,¤A,È,é,x,ETL,l•û,ðŽg,Á,Ä’,-,é,æ,¤A,“Šè,¢,µ,Ü,·B

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” ,g,ž fAf^fbfN È—aftf‰ofo, l Ý’è
(n:0~1)

@@FPD,Å—p^Ó,·,é,o,b,ljtf@fCf<,íAufAf^fbfN•”{f<[fv•”]v,Æ,¢,¤\
¬,É,È,Á,Ä,¢,Ü,·,¤A<È’²,É,æ,Á,Ä,lfAf^fbfN,ð”º¹,.,ÉAf<[fv•”,l‰¹,Ý,ðŽg—
p,µ,½,¢¤é‡,¤,è,Ü,·B

,±,ljfRf}f“fh,An=1,ðŽw’è,·,ê,lfAf^fbfN,ð”º¹,.,Éf<[fv•”,l,Ý,ð”º,µ,Ü,·B,±
,l¤é‡fvf`fmfCfY,¤-Å,è,â,·,È,é,ì,ÅAfGf“fxf[]fv,IAL,ð’½º’á,ß,É,µ,ÄŽg,Á,Ä
‰º³,¢¤Bn=0,ÆŽw’è,·,ê,lfAf^fbfN,ð”º,·,é,æ,¤,É,È,è,Ü,·B

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” “,ž %‰‰‘tfxfcfbf` ,l Ø,è’Ö,!
(n:0~1)

%‰‰‘tfxfcfbf` ,l Žw’è¤Ø,è’Ö,!,ð¤s,¢,Ü,·B
'Ê¤í,í‰0,É¤Ý’è,³,ê,Ä,¢,Ü,·,¤A‰1,ðŽw’è,·,é,Æ¤A,»,ljfp¤[fg,Å,í,»,ê^È¤~¤u
‰º¹, „¤v¤u¤x, „¤v,lfRf“fpfCf<,ðfxflfbfv,·,é,æ,¤,É,È,è,Ü,·B
‰0,ðŒ©,Å,¬,½Žž“,ÅŒ³, l¤Ý’è,É-ß,è,Ü,·B,Ü,½¤A,Ž,lŽw’è,ð¤È—
¤,·,é,Æ¤A¤Ø,è’Ö,!,ð^Ó-¡,µ,Ü,·B
<È,ìŠJ”r’t,É¤u¤È,ð“r’t,©,ç-Å,ç,µ,½,¢¤v,±,Æ,í,æ,,é~b,Å,·,¤A,±
,ljRf}f“fh,í¤A,»,¤,¢,¤Žž,É“r’t, l‰‰‰‘t,ðfxflfbfv,³,¹,é,±,Æ,¤o—^,Ü,·B

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” ¤- fp¤[fg•Ê¤Ž¤•¶¤J¤žn
” ¤-¤^ fp¤[fg•Ê¤Ž¤•¶,l¤I—¹

,±,ê,í¤A,bŒ³/4Œê, l’¤Ž¤•¶,Æ’S,“-,¶,Å¤Af¤p¤[fg•Ê,É¤i“®,µ,Ü,·B
/* ,Æ */ ,É<²,Ü,ê,½•”•¤,ð¤Ž¤,Æ,Ý,È,µ,Ü,·B’¤Ž¤•¶’†,É‰¤ü¤s,¤, ,Á,Ä,¤¤A*/
,ðŒ©,Å,¬,é,Ü,Å’¤Ž¤,¤±,«,Ü,·B */

,²ÅŒä,Ü,ÅŒ©,Â,©,ç,È,-,ê,ÎA,»,Ìfp[fg,Í,»,±,Å'Å,¿Ø,è,Ü,·,ì,ÅA /*
^{3/4},-,ðŽg,! ,ÎA u,»,Ìfp[fg,ÌfRf“fpfCf¹v,Æ,¢,¤žg,¢•û,ào—^,Ü,·B

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”,- “^{1/4}f`fff“flf<,©,ç,ì“-ŠúMøt,ð’ò,Â
 ”,“ ^{1/4}f`fff“flf<,É“-ŠúMøt,ð’-,é
 i,“ ,f`fff“flf<Žw’è•û-@,í‰º—“,Åà-^{3/4}øj

,—fRf}f“fh,Æ,“fRf}f“fh,íA’î,É,µ,Äžg,í,ê,Ü,·B
 ,Ü,,A, ,éfp[fg,Å,—fRf}f“fh,², ,é,ÆA,» ,ížž“_,Å,» ,Ìfp[fg,í‰º
 %º‘t,ð’êžž’âž~,µ,Ü,·B,» ,µ,ÄA’^{1/4},f`fff“flf<,©,ç,“fRf}f“fh,É,æ,Á,Ä#ø},²—
 ,ç,ê,Ä—^,^{1/2},È,çA%º‘t,ðÄŠJ,µ,Ü,·B,±,ì@”,ížå,Èžg,¢,Ý,¿,Å,·,äA—á,!,í

A I8 [a>a<]4 [d>d<]4 [g>g<]4 [c>c<]4 [f>f<]4

B [r1]4 a4b8>c8c4<a8>c8....

,ì,æ,¤,È%º‘t,ð,³,¹,^{1/2},¢,Æ,µ,Ü,·B,±,ê,íA, `fp[fg,² [f>f<]4 ,ð%º
 %º‘t,·,é,Æ“-žž,ÉA,afp[fg,ì a4b8>... ,ð%º‘t,³,¹,^{1/2},¢•\L,Å,·,äA,±
 ,ížž,É, `fp[fg,í‰º‘t,ð[f>f<]4 ,ì
 %ºÓš,Éi,p,Ü,ÅA,afp[fg,íx•„,ð“ü,ê,Ä’ò,^{1/2},È,·,ê,î,È,è,Ü,¹,ñB,±,ì—
 á,Å,í[r1]4 ,Å,·,ñ,Å,¢,Ü,·,äA’·,¢²È,É,È,é,Æ“ü,ê,éx•„,ì’,³,ð,©,^{1/4},!,é,^{3/4},·,Å-È“|
 ,È,È,Å,Ä,«,Ü,·B
 ,» ,±,ÅA,±,ì“-ŠúfRf}f“fh,²—LŒø,É,È,Å,Ä,«,Ü,·B

A I8 [a>a<]4 [d>d<]4 [g>g<]4 [c>c<]4 sB [f>f<]4

B w a4b8>c8.....

,±,ê,ÅAä,Æ“-,¶%º‘t,É,È,è,Ü,·B
 ,afp[fg,í,—fRf}f“fh,², ,è,Ü,·,ì,ÅAÅ%º,É“-Šú’ò,¿ó’ò,É,È,è,Ü,·B, `fp[fg,í
 %º‘t,ði,p,Æ sB ,É,æ,è“-ŠúMøt,², `fp[fg,©,ç,afp[fg,É’-,ç,êA,afp[fg,í
 %º‘t,ðÄŠJ,µ,Ü,·B

,“fRf}f“fh,ì•¶-@,ðà-^{3/4},µ,Ü,·B

-}—á)

- 1) sA []—^’È,èAAfp[fg,ÉMøt,ð’-,è,Ü,·B
- 2) s0A ä,Æ’S,“-,¶^Ó-;Å,·B
- 3) s2C 2Cfp[fg,ÉMøt,ð’-,è,Ü,·B
- 4) s? A~Pfp[fg,ÉMøt,ð’-,è,Ü,·B
- 5) s2? 2A~2Pfp[fg,ÉMøt,ð’-,è,Ü,·B
- 6) s"1G2AF" 1G,2A,Ffp[fg,ÉMøt,ð’-,è,Ü,·B

1.,í[]A'¼Œã,Éfp[]fg-¼,ð,Â,~,Ã[]A"C^Ó,ì,Pf`ffff"flf<,É[]M[]t,ð'—,è,Ü,·[]Bfp[]fg-¼,í'å•¶žš,Â,à[]—•¶žš,Â,à“~,¶^Ó-ì,É,È,è,Ü,·[]B[]isA,Æsa,í“~,¶[]j
[]@[]M[]t,ð•;[],ìfp[]fg,É'—,è,½,¢[]ê[]‡,í4. ^È[]~ ,ì•\<L,¤•Ö—~,Â,·[]B

[]@Œë,Á,½žg,¢•û,ì—á,ð[]à-¾,µ,Ü,·[]B

—á, P[]j

A sB a4a4

B c4 w

,±,ê,í[]A,—fRf}f“fh,ª,“fRf}f“fh,æ,èŒã,ë,Éžg,í,ê,Ã,¢,é,ì,ÅfGf
‰[][,É,È,è,Ü,·[]B,—fRf}f“fh,í[]A•K,,’‰ž,·,é,“fRf}f“fh,ì’O,Éžg—p,µ,Ã‰ºº,³,¢[]B

—á, Q[]j

A [a4a4 sB]3

B f1 w

,±,ì—á,ì,æ,¤,É[]Af<[]fv“à,É,“fRf}f“fh,ðžg,¤,±,Æ,í[]o—^,Ü,¹,ñ[]B,—,à“—
I,Â,·[]B

—á, R[]j

A

B w

,—fRf}f“fh,É,í•K,,’‰ž,·,é,“fRf}f“fh,ª•K—v,Â,·[]B,È,~,ê,îfGf
‰[][,Æ,È,è,Ü,·[]B<t,É[]A,“fRf}f“fh,É’‰ž,·,é,—fRf}f“fh,ª,È,¢[]ê[]‡,ífGf
‰[][,É,Í,È,è,Ü,¹,ñ[]B

‘¼,É[]A,—,Â,ì’Ò,žžŠÔ,ª, ,Ü,è,É'·,¢,Æ[]^—[],µ,«,ê, ,ÉfGf‰[][,ª,Â,Ü,·[]B

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” ,ž,ž ‰º¹’ö,ð[]”’l,Åžw’è,·,é[]i,ž,ž,í,P,Â,ß,ªfRf}f“fh[]A,Q,Â,ß,ª[]”’l,Æ,¢,¤
,±,Æ,Â,·[]j
(n:0~95)

‰º¹’ö,í’Ê[]í[]A,¤[]`‡,ÆflfNf^[]fuŒnfRf}f“fh,Åžw’è,µ,Ü,·,¤[]A,žfRf}f“fh,Å’¼Úž
w’è,·,é,±,Æ,à,Â,«,Ü,·[]B

n0 ,È,ç o1c, n1,È,ç o1c+ ¥¥¥¥ n95 ,È,ç o8b[]@,Æ,¢,¤’‰ž,É,È,Á,Ã,¢,Ü,·[]B
‰º¹’·,ðžw’è,·,é[]ê[]‡,í[]A, ,Å<æ[]Ø,Á,Åžw’è,µ,Ã‰ºº,³,¢[]B

—á[]j

n48,4	o4c4 ,Æ“~,¶^Ó-ì,Â,·
n52	o4e[]@,Æ“~,¶^Ó-ì,Â,·

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□” ,j,Ž ÇE® ”Ö‰‰‰‰’tŽž,Éžg—p,·,éCE® ”Ö,ðŽw’è,·,é

(n:0~16)

,±,ì-½—ß,íA‰‰‰‰’t,É,íS,ŠÖŒW,ª, ,è,Ü,¹,ñB
FVIEW,Å,ìŒ® ”Ö‰‰‰‰’t,ðs,È,¤Žž,ÉA,±,ì-½—
ß,ª, ,é,ÆA^ÈŒä,» ,íf`fff“flf<,íŽw’è,³,ê,½Œ® ”Ö,ðŽg—p|i,Å,Ü,èOŠU,ð•\ Ž:j,µ,Ü,·Bn=0,È,c^ê”Ôä,ìŒ® ”Ö,AAn=16,Å^ê”Ö‰‰‰‰,ìŒ® ”Ö,ðŽg—p,·,é,±,Æ,É,È,è,Ü,·B
‰‰‰‰’t’t,É•ïX,·,é,±,Æ,à‰‰Â”\,Å,·,ªA•ïX,í•K, ,fL[f]ft’t,És,È,¤,æ,¤,É,µ,Ä
‰‰‰‰,¢B

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□” ,m ÇE® ”Ö‰‰‰‰’tŽž,ÉCE® ”Ö‰‰E,É•\Ž!,³,ê,é•¶Žš,ðY’è,·,é

FVIEW,Å,ìŒ® ”Ö‰‰‰‰’tŽž,ÉAŒ® ”Ö‰‰E,íf]f,—”,É•\ Ž:,·,éf]fb[Z]fW,ðY’è,µ,Ü,·B,m,ìŒä,É’±,·,Å•¶Žš—ñ,ð•\L A”,Ü,½,í‰‰üS,ÅfGf}][fN,Æ,µ,Ü,·B
‰‰½’i-U,íf]f,,ðY’è,·,é,©,íA,j,ÅŽw’è,³,ê,½Œ® ”Ö”Ôt,É^Ë,é,ì,ÅA,±,ì-½—
ß,í,j-½—ß,ìŒä,Éžg,í,ê,é•K—v,ª, ,èA,Ü,½•K, ,uÅ‰‰,ìx•,,Ü,½,í‰‰¹•,,í’Ov,Éžg—p,µ,Ä‰‰‰‰,¢B,PfXfefbfv,Å,à‰‰‰‰’t,ªS,í,ê,½Œä,íAÝ’è,µ,Ä,à•\Ž!,³,ê,Ü,¹,ñB
•í”f`fff“flf<,Å,P,Å,ìŒ® ”Ö,ðŽg—
p,·,éŽž,íA,Ç,ê,©,P,Å,íf`fff“flf<,Åf]f,,ðY’è,·,é,íŽ-‘«,è,Ü,·B,Ü,½A]f]f,,í”¹/₄Šp17
•¶Žš,Ü,Å,µ,©•\Ž!,Å,«,Ü,¹,ñB

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□” □”,Ž Šef`fff“flf<,ífGftfFfNfgfOf<][fv,ðŽw’è,·,é

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□@,» ,íf`fff“flf<,ª,ç,ífGftfFfNfgfOf<][fv|i,O”Ô,Æ,P”Ô,ª, ,éä,É’®,·,é,©,ðŽw’è,µ,Ü,
·B<È,í”r’t,Å,ì•ïX,à‰‰Â”\,Å,·B
□@FPD,ífGftfFfNf^Œn,íA^—□’¬“x,íŠÖŒWäAf`fff“flf<-

í,É,È,è,Ü,·,i“-‘R^—,í—ž,ż,Ü,·,j,D
@,È,“A^—,‘¬“x,ÍA,f,ìu‰¹,íŒú,Ýv,ì‡Œv,É[.ŠÖŒW,ª, ,è,Ü,·,B,Å,·,ì,Å

A #C0,1,-1,100,4,1 #C1,1,-1,90,2,2

~ ~

A #C0,1,-1,100,6,2

~

@,±,ì,Q,Â,ìŠ|,¬•û,Å,íA’¬“x,í, ,Ü,è•í,í,ç,È,¢,í,¬,Å,·,BŽÀŒ±,Å,í’OŽÒ,ì•û,‰¹,ª
—ç,,È,é,æ,¤,È,ì,ÅŒú,Ý,ðŒ,,ç,µ,Ä,Q,ÂŽg,¤,Ù,¤,ª,¢,æ,¤,Å,·,B

[EOF]

fefNfjjfJf< f}fjf...fAf<

□@FPD97ŠJ"ŠÖŒWŽÒ,ì,½,ß,±,ì€-Ú,ð—p^Ó,µ,Ä, ,è,Ü,·D,»,ì,½,ßC-
ÚŽÝ,ì•û,©,ç,±,ì€-Ú,Ö,ìfŠf“fN,í'£,ç,ê,Ä,¢,Ü,¹,ñD

1.FPD,ìŽd—I

FPD, iŽd—I

„@,±,ìfhfLf...fjf“fg, Å, íA‰‰‰‰ ‘tftf@fCf<, iŽd—l, ðžå, Éà-¾, µ, Ä, ç, «, Ü, ·B·n·“-žž, í, Đ, ½, ., ç·ì, Á, Ä, ç, ½, à, ì, Å, ., äA·æä, ©, ç·æ©, Ä, ý, é, Æ, È, ©, à, à, ±, µ, ·A·‘¢ ,ià-¾, à”», è, É, ., È, é•”•ä, íA‘½X, , é, ÆŽv, ç ,Ü, ., äA·æä, Ü, Å, “•t, «#f, ç’, , - , ê, iK, ç, Å, ·B

^È‰‰, i_-, É’·^Ó, µ, Ä‰‰³, f·B

“@Ef·fhAf_fuf<·fh, iŠi”[, íA‘S, Ä‰‰^Ê, ©, çŠi”[, ^, ê, Ü, ·B
“@E‰‰‰‰ ‘tftf@fCf<“à, Å, jflftfZfbfg·EfZfOf·f“fg, íA‰‰‰‰ ‘tftf@fCf<, iæ“ä, ð0, Æ, µ, Ä·‘, ©, ê, Ä, ç, Ü, ·B
“@E“’l, íA“Á, É‘f, è, à, È, -, ê, i10i“, Å·æä, è, É h
, ^, ê, i16i“, Æ, µ, Ü, ·B, ½, ¾, µ·AfZfOf·f“fg·EfIftfZfbfg, Æ, µ, Ä·‘, ©, ê, Ä, ç ,é#f, íA‘S, Ä16i“, Å, ·B
“@E‰‰¹·, É—p, ., é, à, l, íA‘S, ÄfXfefbfv‘P^Ê, Å, ·B·u·“•ä‰‰¹•,, ’P^È·v, Å, i, È, ç ,i, Å·^Ó, µ, Ä‰‰³, f·B
“@E‰‰‰‰ ‘tff·f^, aŠi”[, ^, ê, Ä, ç, éfZfOf·f“fg-¼, ð MSeg
, Æ·\L, ., é#f, ^, è, Ü, ·B

”“@, P·D‰‰‰‰ ‘tftf@fCf<, i·n·“

“@, Ü, „A‰‰‰‰ ‘tftf@fCf<“à, É·A, Ç, x, ç, Å, ½ff·f^, ^, , é, ì, ©, ð^ê‘Ê, èà-¾, µ, Ü, ·B
“@, È, “·A, ±, i·í, Å, ià-¾, íAŠi”[·f, Å, i, È, ·A”», è, à, ., ç, ÆŽv, í, ê, é#f”Ô, Å·s, ç, Ü, ·B

“@Ef·fb·f_·” ž-•Ê, h, c, áŠe·̇·ñ, iŠi”[·é·š, È, Ç, ^“ü, Å, Ä, ç, Ü, ·B
“@E‰‰‰‰ ‘tff·f^·f·” Šef`·fff“flf<, i·Až·à·û, i‰‰‰‰ ‘tff·f^, Å, ·B
“@E‰‰‰‰ ‘tff·f^·fe·fuf< Šef`·fff“flf<, i‰‰‰‰ ‘tff·f^, Å, ·B
‰‰ ‘tff·f^, ^·A, » , ê, ¼, é, Ç, i”Ô‘n, ©, çŽn, Ü, é, ©, ðžl, µ, ½fe·fuf<, Å, ·B
“@E‰‰¹·F’è<·” ·u‰‰¹·F”Ô·t·Cftf@fCf<-
½v, ^, PfZfbfg, É, È, Å, Ä·A, P, Å, i, o, b, l, ^‘è<·^, è, Ü, ·B, ±, jfZfbfg, ä·Ažg—p
‰‰¹·F”^, ^, -·À, ñ, Å, ç, Ü, ·B
“@E‰‰¹·Ffe·fuf< ·ä, i‰‰¹·F’è<·^“à, Å·A, Ç, i‰‰¹·F’è<·^, ç, ±, ÉŠi”[, ^, ê, Ä, ç ,é, ©, ^·fe·fuf<, É, È, Å, Ä, ç, Ü, ·B
“@Ef^fCf·gf< <È, jf^fCf·gf<, Å, ·B
“@E·C·®”Ô·i·ž·ž·” Še‰‰¹·F”Ô·t, ÉŠÖ, µ, Ä·A, » , i‰‰¹, ðžg—p, µ, Ä, ç

,éŽž,ÉŒ®"Õ,ì•ž|^Ê'u,ð<§,·,é,©A,Ü,½<§,·,é,È,ç,C,±,É•\
ž[,³,ê,é,©,ðŽw'è,μ,Ü,·B‰¹F,í0~255,Ü,Åžg—p‰oÂ"\,È,ì,ÅAŒ®"Õ•\
ž|^Ê'u,í256fofCfg,Å\-\-,³,ê,Ü,·B

”@,Q>Dfwfbf_•”,ì\-\-

”@‰‰‘tftf@fCf<,ìÅ‰‰,ì16fofCfg,íA‰‰‰‘tftf@fCf<'S'ì,ì•K—
v†•ñ,¤Ši”[,³,ê,Ä,¢,Ü,·B^È‰‰,É\‘¢,ðŽl,μ,Ü,·B

”@0 ~ 3 : ffwfbf'_FPDM'
,±,ìftf@fCf<,¤A,e,o,c—p,ì‰‰‰‘tftf@fCf<,Å, ,é,±,Æ,ðŽl,·ID,¤Ši”[,³,ê,Ä,¢
,Ü,·B•¶žš—ñ FPDM ,¤Å‰‰,ìSfofCfg,É, ,ê,î,e,o,c,í,»,ìftf@fCf<,ð‰‰‰‘tftf@fCf<,Æ,Ý,È,μ,Ü,·B
”@4 : ¶‰ŠúŠi-{'.
,ŒfRf}f“fh,Å\Ý'è,·,éuŠi-{’·v,ì‰‰Šú'l,¤Ši”[,³,ê,Ü,·B
”@5 ~ 6 : ¶‰Šú‰‰‰‘t’¬“x
fef“f|,ðA,PfXfefbfv, ,½,è,ìžžŠÔ,ÉŠ·ŽZ,μ,½A‰‰‰‘t’¬“x|,¤Ši”[,³,ê,Ü,·BžžŠÔ,ìP^È,íun/2760•b\|v,Å,·B,PfXfefbfv,¤‰‰½•¤‰‰‰‘tftf@fCf<'t,É,»,ìff|[f^,í, ,è,Ü, ,ñB],Á,Ä‰‰‰‘tftf@fCf<,³/4, ,Å,íA‰‰‰‘t’¬“x,ðfef“f|'l,ÉŠ·ŽZ,·,é,ìA•s‰‰Â"\,Æ,¢,¤,±,Æ,É,È,è,Ü,·BfXfefbfv,É,Å,¢,Å,ížží,ÅŠÈ'P,É\à-³/4,μ,Å, ,è,Ü,·B
”@7 ~ 8 : %‰¹Ffe|[fuf<ŠjžnflftfZfbfg
,e,o,c,ì‰‰‰‘tftf@fCf<“à,É,íA\|u,Ç,ìftf@fCf<-¹/₄,ì,o,b,l,ðA\|@‰¹F”Ô\|t
‰‰½”Ô,ÉŠ,,è“-,Å,Äf\|f[fh,·,é,©\|v,Æ,¢,¤\|i•ñ,¤Ažg—p‰¹F”³/4,-Ši”[,³,ê,Ä,¢
,Ü,·B,±,±,É,íA,»,ì‰¹F\|i•ñ,ìA\|æ“¤”Ô'n,¤”ü,è,Ü,·B,Ü,½A
‰‰¹Ffe|[fuf<,íA•K, ,uŠef`fff“flf<,ìŠjžn\|ê\|v,ì'¹/₄Œ¤,É'u,•K—v,¤,è,Ü,·B
”@9 : ,o,b,l'è<“
,ufp\|fg,É,æ,é,o,b,l‰¹F’è<,¤A,¢, ,Å, ,é,©,ðŽl,μ,Ü,·B
”@A : f\|f,fŠf^fCfv
Šef`fff“flf<,ìŠjžn\|ê\|S,¤A,Ç,¤,¢,¤’P^È,ÅŠi”[,³,ê,Ä,¢,é,©,ðŽl,μ,Ü,·B
Offh = %‰‰‰‘tftf@fCf<,ì\|æ“¤,©,ç,ìflftfZfbfg,ÅŠi”[
80h = %‰‰‰‘tftf@fCf<,ì\|æ“¤,©,ç,ìfZfOf\|f“fg,ÅŠi”[
FCMP,Å\|-\-,³,ê,½‰‰‰‘tftf@fCf<,íOffh,¤AMID2FM,Å\|-\-,³,ê,½‰‰‰‘tftf@fCf<,í80h,¤”ü,Å,Ä,¢,Ü,·B\|iVer2.05Œ»¤Y\|jOffh,Åžl,³,ê,Ä,¢,é\|ê\|¤A‰‰‰‘tftf@fCf<,í64k,ð‰‰z,!,é,±,Æ,í\|o—^,Ü, ,ñB

%o'tff[f^,í]A,±,jf,fSf^fCfv,đŽg—p,μ,Ä,¢,Ü,·B
@Ejf,fSf^fCfv=80h,ìê‡
@@@,±,ìê‡,íAŠef`fff“flf,ìŠJŽnêŠ,ífZfOf“fg,đ^Ó-;μ,Ü,·B]
,Ä,AŽÀÛ,ìff[f^ŠJŽn^Ê'u,íuMSeg+ŠJŽn^Ê'u:0v,Æ,È,Ü,·B,±
,ìê‡AŠef`fff“flf,ìæ“^Ê'u,ífpf%ofof'P^È,Ä,È,-
,Ä,Í,È,è,Ü,¹,ñBMID2FM.EXE,Ä]—,³,ê,½%o%o'tff[f^,í]A,±,jf,fSf^fCfv,đŽg
—p,μ,Ä,¢,Ü,·B

"@,S%D%o¹Ffe[fuf<]E%o¹F'è<`•",ì\`¢

@@,Pí,Ä,à‘,«,Ü,μ,½,¤A•¡”,ì%o¹F'è<`•¶,¤W,Ü,Ä,½,à,ì,¤%o¹F'è<`•",Ä, ,
èACEÄX,ì%o¹F'è<`•¶,¤A,»,ê,¼,êŠi”[,³,ê,Ä,¢,é^Ê'u,đfe[fuf<,É,μ,½,à,ì,¤
%o¹Ffe[fuf<,Ä,·B

@@,Ü,,¤A%o¹Ffe[fuf<,Ä,·,¤A'Oí,Ä,àà-¾,μ,½'È,èA,±,ìfe[fuf<,í%o
%o'tff[f^fe[fuf<,í'¼Œä,É'u,•K—v,¤, ,è,Ü,·B%o½Œì,È,c¤A
%o¹Ffe[fuf<,ìŠJŽn^Ê'u,É,æ,Ä%A%o%o'tff[f^fe[fuf<,ìI—¹^Ê'u,đŽi,μ,Ä,¢
,é,¤,ç,Ä,·B
@@@,ì“I,È\`¢,í^È%o,ì'È,è,Ä,·B+0,Æ,¤+1,Æ,¤,ç,Ä, ,é,ì,Afwfbf_,ÄŽw'è
,μ,½%o¹Ffe[fuf<ŠJŽnflftfZfbfg,¤,ç,ì'S'¹^È'u,Ä,·B

+0~+1: %o¹F'è<`•¶0"Ô,ìŠi”[flftfZfbfg
+2~+3: %o¹F'è<`•¶1"Ô,ìŠi”[flftfZfbfg
+4~+5: %o¹F'è<`•¶2"Ô,ìŠi”[flftfZfbfg
E
E
E

i,±,ê,¤,o,b,l'è<`"ifwfbf_,ÄŽw'èj,¾,¬±,¤j

@@,±,ê,ç,ìfe[fuf<,í]A'S,ÄflftfZfbfg'P^È,Ä,·B],Ä,A%o¹F'è<`•¶,í]A%o
%o'tftf@fCf<,ìŠJŽn^Ê'u,æ,èA64k^È“à,ì"í^È'u,¢,Ä, ,•K—v,¤, ,è,Ü,·B

@@žÝ,É%o¹F'è<`•¶,Ä,·,¤A,±,ê,íu%o¹F"ÔtC,o,b,lf@fCf<-¼C0v,Æ,¢
,¤,¤,½,Ü,è,Ä•\,³,ê,Ü,·B¤ä,Ä¤u%o¹F'è<`•¶0"Ôv¤u¥¥¥1"Ô¤v,Æ¤,¢,Ä,¢
,Ü,·,¤A%o¹F'è<`•¶,ì"Ô¤t,Æ,»,±,Ä'è<`³,ê,é%o¹F"Ô¤t,í•K, ,μ,à^ê'v,μ,È,¢,±
,Æ,É'¤Ó,μ,Ä%o,³,¢¤B

@—á,¡,íA‰‰¹F"Ô†,RxC,SxC,V,ð'è<` , ,éê‡A
 %‰¹F'è<` •¶10"ÔEŒŒŒ‰¹F"Ô†,R,ð'è<` , ,é
 %‰¹F'è<` •¶11"ÔEŒŒŒ‰¹F"Ô†,S,ð'è<` , ,é
 %‰¹F'è<` •¶12"ÔEŒŒŒ‰¹F"Ô†,V,ð'è<` , ,é
 @,ì,æ,¤,É,È,è,Ü,·B
 @,o,b,lftf@fCf<-¼,íA,l,l,k"™,Å<Lq,µ,½,à,ì,ð,» ,ì,Ü,Ü"]-,µ,Ä,¢
 ,é,¾,-,Å,·B
 @,»,ìŒä,ì0,íAfGf"fhf}][fN,Å,·B

@,l,l,k,AEfAfZf"uf%<Lq,Å—á,ðà-¾,µ,Ü,·B

V 0,03PIANO1

V 54,03ANASTR

V 25,M3GUIT2

@,ì,æ,¤,È,l,l,k,íA

```

VoiceTable dw offset voice0
             dw offset voice1
             dw offset voice2
               ¥
               ¥
               ¥
               i,±,ìŠOff][f^•s'è]j
               ¥
               ¥
voice0      db   0,'03PIANO1',0
voice1      db   54,'03ANASTR',0
voice2      db   25,'M3GUIT2',0
  
```

@,Æ,¢,¤fAfZf"ufŠ<Lq,É,È,è,Ü,·B
 @ff][f^•s'è,Æ, ,é,ì,íA—v, ,é,É‰‰½,¤, ,Á,Ä,à,æ,¢,Æ,¢,¤,±,Æ,Å,·B
 %‰¹Ffe][fuf<]ifAfZf"uf%>'†,ìVoiceTable]j,í‰‰
 %‰'tff][f^fe][fuf<,í¹¼Œä,ÆŒ^,ß,ç,ê,Ä,¢,Ü, ,¤A‰‰¹F'è<` •¶ifAfZf"uf
 %‰'†,ìvoice0~voice2]j,í64k^È"à,Å, ,ê,î,ç,±,É, ,Á,Ä,à,¤,Ü, ,ñ]B
 @FCMP.EXE,Å]i]¬,³,ê,½‰‰‰‰'tff][f^,ìê‡,íA
 E‰‰¹Ffe][fuf<

☐E,I,I,k,ÅŽw'è,μ,½‰¹☐F'è<` • ¶
 ☐E‰‰‘tff☐[f^
 ☐EfRf“ftfBfO,ÅŽw'è,μ,½‰¹☐F'è<` • ¶
 ☐@☐@,ì,æ,¤,É•À,ñ,Å,¢,Ü,·☐B

”☐@,T☐Df^fCfgf<

☐@☐@<È,ìf^fCfgf<,Å,·☐B,Ü,,☐Å‰‰
 ,ì,PfofCfg☐i,Å,Ü,èfwfbf_,ìf^fCfgf<Ši”[flftfZfbfg,ÅŽw'è,³,ê,½☐ê☐Š☐j,É☐A☐uf^fCfgf
 <•¶Žš—ñ☐v,¤“ü,è☐A,QfofCfg-Ú,©,ç,ìf^fCfgf<•¶Žš—ñ,¤“ü,è,Ü,·☐B,±,ì•¶Žš—
 ñ,É,Í☐AfGf“fhf}☐[fN,É—þ,·,é,à,ì,í,Å,¢,Å,¢,È,¢,ì,Å☐A'☐^Ó,μ,Å
 %‰³,¢☐B☐@☐@☐@☐@☐@☐@☐@
 ☐@☐@,Ü,½☐Af^fCfgf<,í•K,,,é,Æ,íCEÀ,è,Ü,¹,ñ☐Bf^fCfgf<,¤’è<`,³,ê,Å,¢
 ,È,¢ff☐[f^,Å,Í☐AfWfbf_,ì☐uf^fCfgf<Ši”[flftfZfbfg☐v,É0ffffh,¤“ü,Á,Ä,¢
 ,Ü,·☐B,Ü,½☐Af^fCfgf<,í☐æ“¤,©,ç64k^È“à,ì☐ê☐Š,É,È,,Å,í,È,è,Ü,¹,ñ☐B

”☐@,U☐DCE®”Õ•\Ž|^Ê'u

☐@☐@Še‰‰¹☐F,É’í,μ,Ä☐AŒ®”Õ^Ê'u,ì<☐§,ð☐s,È,¢,Ü,·☐B,±,ê,í☐AŽå,Éfhf‰of€
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 ,ì☐ê☐Š,ÉŠi”[,³,ê,é,±,Æ,É,È,è,Ü,·☐B
 ☐@☐@FVIEW,ðŽg—p,μ,½☐ê☐‡A’È☐í,í”‰‰¹†,ì‰‰¹ŠK,¤Œõ,è,Ü,·,¤☐Afhf‰of€
 ,È,ç,Å,í☐í,ÉŒÀ’è,μ,½☐ê☐Š,¤Œõ,Á,Ä—~,μ,¢☐ê☐‡,¤,è,Ü,·☐B,»,ì,½,ß,ì<@”＼
 ,Å,·☐B☐uŒ®”Õ•\Ž|^Ê'u☐v,í256fofCfg,ìff☐[f^,Å☐A^È‰‰,ì,æ,¤,É,È,Å,Ä,¢,Ü,·☐B

+0: ‰‰¹☐F0”Ô,ìŒ®”Õ•\Ž|^Ê'u
 +1: ‰‰¹☐F1”Ô,ìŒ®”Õ•\Ž|^Ê'u
 +2: ‰‰¹☐F2”Ô,ìŒ®”Õ•\Ž|^Ê'u
 +3: ‰‰¹☐F3”Ô,ìŒ®”Õ•\Ž|^Ê'u
 +4: ‰‰¹☐F4”Ô,ìŒ®”Õ•\Ž|^Ê'u

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+0ffh: ‰‰¹☐F255”Ô,ìŒ®”Õ•\Ž|^Ê'u

☐@☐@Še•\Ž|^Ê'u,í☐A0~95,Ü,½,í0ffh,¤“ü,è,Ü,·☐B0~95,ì☐ê☐‡A,»,ì

%o¹□F,ìŒ®"Ö"Œõ^Ê'u,í,»,ì"Žš,É%ož,¶,½ê□Š,ÉŒÅ'è,³,ê,Ü,·□B
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 Œõ,μ,Ü,·□B□i,Å,Ü,è•□'Ê,ìó'Ô,Å,·□j
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 ,ìuŒ®"Ö•\Ž|^Ê'uŠi"[flftfZfbfg□v,É,í0ffffh,³"ü,Á,Ä,¢,Ü,·□B,Ü,½□A,±
 ,ìff□[f^,í□A□æ"³,©,ç64k^È"à,ì□ê□Š,É,"•K—v,³, ,è,Ü,·□B

□@□@,±,ìff□[f^,É^Ë,ç,,□A%o%o'tff□[f^'t,ìfRf}f"fh,Å•\Ž|^Ê'u,ðŒÅ'è,·é,±,Æ,à
 %oÅ"\,Å,·□BMID2FM,Å□ì□¬,³,ê,½ff□[f^,Å,í□AfRf}f"fh,ÅŒ®"Ö^È'u,ðŒÅ'è,μ,Ä,¢
 ,Ü,·,³□A,I,I,k,Å,í□A,±,ìfRf}f"fh,ífTf|□[fg,³,ê,Å,¢,Ü,¹,ñ□B

□"□@,V□D%o%o'tff□[f^•",ì□\‘¢

□@□@—v,Æ,à,¢,¤,×,«□A%o%o'tff□[f^,ì•¶-@,ð□à-³/₄,μ,Ä,¢,«,Ü,·□BŠi-
 {"I,É,í□A,I,I,k,³P□f,ÉfofCfifŠff□[f^,É•iŠ·,³,ê,½,Æ,¢,¤□I,!,ÅŠÔ^á,¢,í, ,è,Ü,¹,ñ□B
 □@□@%o%o'tff□[f^,í□A,e,o,c,É,æ,Á,Ä,PfofCfg,Ã,Ã“Ç,Ý□ž,Ü,ê□A,»,ì"à—e,É□],Á,Ä
 %o%o't,³□i,ß,ç,ê,Ü,·□B

□@□@ff□[f^,í□A'å,«,•³,⁻,Ä□A%o¹•,,□i<x•,,□j,ÆfRf}f"fh,ìQŽí—þ,³, ,è,Ü,·□B

□@□E%o¹•,,□i<x•,,□j,É,Å,¢,Ä□E□E□E

□@□@%o²,Vfrfbfg,³00h~5Fh,Å, ,ê,î%o¹•,,□A75h,Å, ,ê,î<x•,,ð•\,μ,Ü,·□B
 %o¹•,,í□A00h,³o1c,01h,³o1c+¥¥¥,Æ,È,Á,Ä,¢,Ü,·□B
 □@□@,Ü,½□Aæ,Vfrfbfg,íŠi-{',ì□i—pftf%ofo,Å□A,±,±,³P,È,ç,î,»,ì
 %o¹•,,ì',³,í□AŠi-{',É^Ë,è,Ü,·□B,Å,Ü,è
 %o¹'ö□{',³,³PfofCfg,É,È,è,Ü,·□B'æ,Vfrfbfg,³0,È,ç,í□AŽÝ,ì,PfofCfg,³
 %o¹'·,Æ,μ,Ä“Ç,Ý□ž,Ü,ê,Ü,·□B,±,ì□ê□‡,í□A
 %o¹'ö,Å,PfofCfg□A'·,³,Å,PfofCfg,Å□‡Œv,QfofCfg,É,È,è,Ü,·□B

□@—á□j	30h,18h	o5c,ì%o¹,ð□A18h,ìžžŠÔ,³/₄,⁻Å,ç,μ,Ü,·□B
	24h,30h	o4c,ì%o¹,ð□A30h,ìžžŠÔ,³/₄,⁻Å,ç,μ,Ü,·□B
	0a6h	o4d,ì%o¹,ð□AŠi-{',ÅŽ!,³,ê,éžžŠÔ,³/₄,⁻Å,ç,μ,Ü,·□B
	75h,60h	<x•,,ð□A60h,ìžžŠÔ,³/₄,⁻±,⁻,Ü,·□B
	0f5h	<x•,,ð□AŠi-{',ÅŽ!,³,ê,éžžŠÔ,³/₄,⁻Å,ç,μ,Ü,·□B

□@□@,±,±,Å,¢,¤ŽŽŠÔ,Æ,Í□A,·,×,ÄfXfefbfv””,Å,·□BfXfefbfv””,É,Â,¢
,Å,Í□AŽŶ□í,Å□à-¾,µ,Ü,·□B

□@□EfRf}f“fh,É,Â,¢,Ä□E□E□E

□@□@%o¹„,^ÈŠO,ì□”’I,Í□A^ê
‰ož’S,Å,¤fRf}f“fh,Æ,µ,Ä”FŽ“,³,ê,Ü,·□B’A,µŒ»žž“_,Å,Í’S,Å,ì□”’I,¤žg,í,ê,Å,¢
,é,í,“,Å,í, ,è,Ü,¹,ñ□Bžg—p,³,ê,Å,¢,È,¤fRf}f“fh,², ,Å,½□ê□‡“®□ì,í•Û□Ø,³,ê,È,¢
,ì,Å’□^Ó,µ,Ä‰oº,³,¢□B,±,ê,Í□A‰o
‰o’tff□[f^,ð□ì□¬,·,éfc□[f<□iFCMP.EXE,âMID2FM.EXE]j,ì•û,Å,µ,Å,©,èŠC—□,·,é•K
—v,², ,è,Ü,·□B
□@□@,Ü,½□A-¢’è<`fRf}f“fh,ÉŒÀ,ç, ,□A•¶-
@,ìŒë,è,Í’S,Äfnf”fOfAfbfv,ÉŒq,²,è,Ü,·□B‰o‰o’tff□[f^□ì□¬fc□[f<,É-
þ,·,é,à,ì,ð□ì,ç,ê,é•û,Í□AfGf‰o□[f`fFfbfN,ð,µ,Å,©,è,Æ□s,È,Å,Ä‰oº,³,¢□B

□@□@%o¹„,^ÈŠO,ì□”’I,Æ,Í□A60h~74h,76h~7fh,0e0h~0f4h,0f6h~0ff,¤ŠY“-
,µ,Ü,·□B^È‰oº,É,»,ê,¼,ê,]fRf}f“fh,ì“®□ì,ð□à-¾,µ,Å,¢,«,Ü,·□B
□@□@•\L,Í□ASefRf}f“fh,ì□Å□‰o,ì—ñ,É□u•¶-@□A,I,I,k•\L□AfRf}f“fh-
¾v,ð<L□Ú,µ□AŽŶ□s,ÉŠefpf‰o f□□[f^,ì^Ó-ì□A,»,ìŽŶ,ÉfRf}f“fh,ì“®□ì□à-
¾,²□’,©,ê,Å,¢,Ü,·□B,½,¾,µ□Afpf‰o f□□[f^,ì^Ó-ì□AfRf}f“fh,ì“®□ì□à-
¾,Í□A,I,I,k,Æ“,¶^Ó-ì,ì,ì,í□È—²,³,ê,Å,¢,é,±,Æ,à, ,è,Ü,·□B,Ü,½□A□à-¾,², ,é,à,ì,
Å,à□AMMLMAN.DOC,Å□à-¾,³,ê,Å,¢,é,±,Æ,ì•â‘«’ö“x,É,µ,©□’,©,ê,Å,¢
,Ü,¹,ñ,ì,Å□A□Ú,µ,,í,»,¿,ç,]fhfLf...f□f“fg,ðŽQ□Æ,µ,Å,,¾,³,¢□B
□@□@fpf‰o f□□[f^,Í□A“Á,É’f,è,²,È,¢ŒÀ,è,ÍfofCfg’P^È,Å,·□B

□@□@60h,n [f<□[fv

□@□@□@n=f<□[fv”

f<□[fv,ìŠJŽn,Å,·□B,I,I,k,Å,Í□Af<□[fv””,ÍŒä,ë’¤□if<□[fv,ð•Å,¶,é•”•²□j,Å
Žw’è,µ,Å,¢,Ü,µ,½,²□A‰o‰o’tff□[f^,Å,Í□^—□,¤ŠÈ’P,É,È,é,±
,Æ,©,ç□A’O,]f<□[fv

ŠJŽn•”•²,ÅŽw’è,µ,Ü,·□B

flfXfefBf“fO,Í□A,I,I,k,Æ“,¶,16□d,Ü,Å,Å,·□B

□@□@61h]n f<□[fv”|—¹

□@□@62h : f<□[fvfAfEfg

□@□@63h S ŠÈ^ÖfR□[f<□æ“²□éŒ³/

¶@¶@64h	T	ŠÈ^ÕfR [f<,)fŠf^¶[f“
¶@¶@65h	U	ŠÈ^ÕfR [f<
¶@¶@66h,n	_n	' ' "'] ²
¶@¶@67h,n	__n	'Š'Î"] ²
¶@¶@68h,n	{n,}nfpf“,ì'Š'Î^Ú“®	
¶@¶@¶@n=^Ú“®’I	(-127~+127)	
fpf“,ì'Š'Î^Ú“®,Å,·,²A,I,I,k,Å,Í,QŽÍ—P,ì-½—B,²%o		
%o'tff [f^,Å,Í,P,Å,É,È,Á,Ä,ç,Ü,·Bfpf“,ÍA¶•ÛŒÜ,²•%o,AE,È,Á,Ä,ç,Ü,·,ì,ÅA}n -		
½—B,Ín,Í,» ,ì,Ü,Ü,Å68h,n ,AE¶¶¬,³,êA{n -½—B,Ín,²³•%o<t“]i,Å,Ü,è•%		
,É,È,éj,³,êA68h,-n,AE¶¶¬,³,ê,Ü,·B		
¶@¶@69h		-¢Žg—p
¶@¶@6ah,n	In	Ši-{’·,ì•íX
¶@¶@6bh,n		-¢Žg—p
¶@¶@6ch,nAn	fGf“fxf¶ [fv,ìfg¶ [f^f<fcfxf<Ý’è	
fGf“fxf¶ [fv,ì'æ,Xfpf%ofo¶ [f^,ð'P“AE,ÅŽw’è,·,é-½—		
B,Å,·BŒÝS·«,ìSÖŒW¶äAŽc,µ,Ä, ,è,Ü,·B		
¶@¶@6dh,n	vn,Vn%o ¹ —Ê•íX	
¶@¶@ ,I,I,k’t,ìv,AEV,ÍA’S,“-,¶^Ó-ì,Å,·B		
¶@¶@6eh,n)n %o ¹ —Ê,ðn¶ä,°,é	
¶@¶@6fh,n (n %o ¹ —Ê,ðn%o ⁰ ,°,é		
,I,I,k’t,Ån,ð¶È—²,µ,½¶ê¶‡A%o%o'tff [f^,ìn,É,Í,P,²Ši”[,³,ê,Ü,·B,±		
,ì,Q,Å,ì-½—B,ÍA-{—^,P,Å,Å¶\•²,³/4,Á,½,ì,Å,·,²A<C,²•t,ç		
,½Žž,É,ÍŽè’x,ê,Å,µ,½B¶u,Ž%o°,°,é¶v•û,ì,Ž,Í¶³,ì’l,²ü,è,Ü,·B		
¶@¶@70h,n	pn fpf“Žw’è	
¶@¶@71h,w	tn fef“f Žw’è	
¶@¶@¶@w¶if¶ [fh¶j=%o%o‘t’¬’x		
%o%o‘t’¬’x,AEfef“f ,ÍA^á,¤,ì,Å’¶^Ó,µ,Ä%o°,³,¢B—		
¹/₄ŽÒ,ìSÖŒW,ÍAŽY¶Í,Å¶à-³/4,µ,Ü,·B,Ü,½¶A,±,ì-½—B,ì,`fp¶ [fg,Å,ì,Ý—		
LŒØ,È,ì,Å’¶^Ó,µ,Ä%o°,³,¢B¹/₄,ìfp¶ [fg,Å,±,ì-½—B,ð”Œ®,µ,Ä,à-³Ž<,µ,Ü,·B		
¶@¶@72h,n1,n2 qn1,n2	fQ¶ [fgf^fCf€Žw’è¶iŒ,ŽZ•ûŽ®¶j	
¶@¶@ ,I,I,k,Ån2,ð¶È—²,µ,½¶ê¶‡,ÍA,P,²Ši”[,³,ê,Ü,·B		
¶@¶@73h,n	@n %o ¹ F,ì•íX	
¶@¶@74h	& f^fC¶EfXf%o¶[
,±,ì-½—B,ÍA%o ¹ „,ì¹/₄Œä,É, ,é¶ê¶‡,ì,Ý—LŒØ,Å,·B		
¶@¶@75h	r <x• „,¶ifRf}f“fh,Å,Í, ,è,Ü,¹,ñ¶j	
¶@¶@76h,h,s,d,v Mh,s,d,v	frfuf%o¶ [fg,ðŽw’è,·,é	

[@@76h,0,0 M0 frfuf%o[f_g,ðfljt,É,·,é
@@@h,v,Íf[]fh
frfuf%o[fgfRf}f“fh,Å,·B”’I,í,I,l,k,©,ç,ì”]’—,Å,·,·,aA,^,Æ,-,a_f[fh,Å, ,é”_,
É<C,ð,Å,·,Ä%o,³,¢B,Ü,½Ah=0,ìé,ÍfRf}f“fh,í,^,Ü,Å,Å’Å,¿Ø,è,Æ,È,è,Ü,·B
@@@77h,n Dn fff`f...[f“i_{fsfbf}`fxf“fhj]Y’è
@@@78h,¥¥¥ ¥¥¥ fGf“fxf[]fv]Y’è
,©,È,è,â,â,±,μ,¢,ì,AU,μ,·à-¾,μ,Ü,·B
,Ü,·AÚ,μ,¢•¶-@,í
@@78h,fpf%o[f[]f^ŠJZn^È'u,Žw’èŒÂ”,fpf%o[f[]f^P,fpf%o[f[]f^Q¥¥¥
,Æ,È,Á,Ä,¢,Ü,·BÅ%o,ì,Q,Å,ì^Ó-ì,ðà-¾,μ,Ü,·B
@@Efpf%o[f[]f^ŠJZn^È'u
,±,ê,ÍA,I,I,k,ÅEAR¥¥,Æ,©AESL¥¥¥,Æ,©,¢,¤_{Lq},Å•\,³,ê,éA
fpf%o[f[]f^,ìZw’èŠJZn^È'u,ð^Ó-ì,μ,Ü,·B,I,I,k,ì•¶Zš,Æ%o%o’tff[f^
,ì”’I,íA^È%o,ì,æ,¤,É’Í%ož,μ,Ä,¢,Ü,·B
@@AL(,Ü,½,íZw’è,È,μ)=0, AR=1, DR=2, SL=3
@@DRB=4,SLB=5,SR=6,RR=7,TL=8,MR=9
—á,!,ÍA,I,I,k’†,ÅEDR¥¥¥,Æ, ,é,à,ì,íA%o%o’tff[f^,Å,í78h,2,¥¥¥
,Æ,È,è,AufGf“fxf[]fv,ðDR,©,çZw’èv,Æ,¢,¤,±,Æ,È,è,Ü,·B
@@EŽw’èŒÂ”
,±,ê,ÍA‡Ev,¢,,Å,fpf%o[f[]f^,ðŽw’è,·,é,©,ðŽ!,μ,Ä,¢,Ü,·B
,»,μ,ÄAfpf%o[f[]f^,P Afpf%o[f[]f^,Q¥¥¥
,ÆAŽw’èŒÂ”•aAfGf“fxf[]fv,ìŒ`ó,ðY’è,·,é”’I,a•À,Ô,±
,Æ,È,è,Ü,·B,Ü,½Afpf%o[f[]f^,ì”’I,É80h,^a, ,ê,ÍAŠY“-,·,éfpf
%o[f[]f^,í•ÍX,³,ê,Ü,¹,ñBifGf“fxf[]fv,fpf%o[f[]f^,ÍA^ê”Ó”í^í,íL,¢,à,ì,Å-
127~+127,È,ì,ÅA80h,ðŽw’è,μ,½,¢,Æ,¢,¤ž-’Ó,í”¶,μ,Ü,¹,ñj
@@^È%o,É—á,ðŽ!,μ,Ü,·B
@@ ,l,I,k<Lq@@@@@@@”@%o%o’tff[f^
E127 78h,0,1,127
E100,95,0,4 78h,0,4,100,95,0,4
EDR32,5,,0,0 78h,5,5,32,5,80h,0,0
ERR90 78h,7,1,90
@@@78h,n ENn %o¹F•ÈfGf“fxf[]fvŒ`ó”Ót,ðŽw’è
@@@n=10h+”Ót in:10h~14h)
Še%o¹F,É,ÍA, ,ç,©,¶,ßfGf“fxf[]fv,^a,Sží—þY’è,³,ê,Ä,¢,Ü,·B,±,ì-½—
ß,í,»,ì,Sží—þ,ì,¤,çfGf“fxf[]fv,ð’l’ð,·,é,à,ì,Å,·B,I,I,k,Æ,ì’Í%ož,í^È
%o,ì’È,è,Å,·B

EN0 ``78h,10h
 EN1 ``78h,11h
 EN2 ``78h,12h
 EN3 ``78h,13h
 EN ``78h,14h

@@@79h L ÄfXf^fg^E'u,iY'e
 ,±,jfRf}f"fh,icä,É‰‰¹•,,E<x•,,²'S,,È,ff[f^,ð]i]¬,·,é,AE]A-
 ³CEÀf<fv,É“ü,Á,Ä,µ,Ü,¤,ì,Å]A'[]Ó,µ,Ä‰‰º,³,ç[BFCMP.EXE,Å,í,»,ì,æ,¤
 ,ÈfP[fX,É‘~<ö,µ,½]ê]‡,É,í,±,jfRf}f"fh,ð]Á,µ,Ü,·]B

@@@7ah,n mn f~f...[fgf^fCf€,iY'e
 ,±,jfRf}f"fh,í,Ü,žg,¤,±,AE,í,È,ç,ì,Å]A]à-¾,ð]È—²,µ,Ü,·]B]§]i]Z]O,à]Z]g—
 p,µ,½,±,AE,í,È,ç,µ]AMMLMAN.DOC,É,à]à-¾,í]L]Ú,³,ê,Ä,ç,Ü,¹,ñ]B

@@@7bh,n #n fGftfFfNfg,icEn“]Zw'e

@@@7ch,l1,l2,d,s #RI1,l2,d,s 'S'i,Ö,jfŠfo][fu

@@@7ch,0@#R0 'S'i,Ö,jfŠfo][fuf]ft

@@@d,Íf][fh
 'S'jfŠfo][fu,Å,·]B,±,ê,à,Ù,Ú,l,l,k,©,ç,ì]"']—,Å,·,²]Afrfuf‰‰][fg,AE“-,¶,æ,¤
 ,É]AI1=0,ì]Z]z,jfRf}f"fh,²,»,-,±,Å'Å,¿]Z]~,ß,É,È,é,ì,Å]A'[]Ó,µ,Ä‰‰º,³,ç]B

@@@7dh -ç]Z]g-p

@@@7eh,w fff`f...][f"Zw'è]i]16frfbfg]j

@@@w,Íf][fh
 16frfbfg,jfff`f...][f"Zw'è,Å,·]B,±,ê,í]Ver2.0,Å'Ç
 %‰Á,³,ê,½,ì,Å]A,Wfrfbfg,ì]•û,²]EYŠ·]«,ì,½,ß,É]Z]c,µ,Ä, ,è,Ü,·]B,È,“]A,l,l,k,Å,ic»
 Ž]z“_(Ver2.1),Å,í]A,±,ì-½—ß,É‘]‰ž,µ,Ä,ç,Ü,¹,ñ]B

@@@7f,n On flfNf^][fu,ì]•‰‰•â]³

@@@e0h,w,v Ph,l flf<f^f]f"fg,k,e,n,iY'e

@@@e0h,0,0 flf<f^f]f"fg,k,e,n,]fl]ft

@@@w,Íf][fh,v,Íf_fuf<f][fh
 flf<f^f]f"fg,k,e,n,iY'e,Å,·]B,—,Íf][fh]A,—,Íf_fuf<f][fh,É,È,è,Ü,·]B,±
 ,ê,àfrfuf‰‰][fg,AE“-,¶,]Aw=0,ì]Z]z,É,jfRf}f"fh,²,»,-,±,Å]I—
 ,µ,Ü,·]B,È,“]A,l,l,k]Z]w'è,ì]h,l,AE‰‰‰‰'tff][f^,ì]w,v,ì]ŠÖ]E,í]A]Z]Y]í,Å]à-
 ¾,µ,Ü,·]B

@@@e1h,n Qn fQ][fgf^fCf€]Y'e]i]æZZ•û]Z®]j

@@@e2h,n Hn fAf^fbfN]È—²]ftf‰‰fO,iY'e

@@@e3h,w flf<f^f]f"fg,k,e,n,ì,—,ì,Y,ð]é]E¾,·,é

@@@w,Íf][fh

||@||@e4h,n e3h, ÅéŒ³/4í, Ý, ì, —, Æ, ±, ìn, Å Af|
f<f^f||f“fg, k, e, n, ðŽn“ ®fRf}f“fhe3h~e5h, í Af|f<f^f||f“fg, ð’æ, Qfrfuf
‰|[fg, Æ, μ, ÄŽg—p, ·, é AMID2FM ê—p, jfRf}f“fh, Å, · B, ±
, ê, ç, í Aã, ìe0h, Æ<@”\“l, É‰½”™, ©, í, é Š, í, È, ÅP, É’½—p, μ, ½ê‡, jf||f, fŠ||B-
ñ, ì, ½, ß, ì, à, ì, Å, · B
e3h, Å, í A, , ç, ©, ¶, Bf|f<f^f||f“fg, ì, —
, ð Y’è, μ, Ä, „, «, Ü, · Be4h, Å, í A||Y’è||í, Ý, ì, —, Æ, Ž i, Ž, jf|f<f^f||f“fg, k, e, n, ì, —
, jBit16~23, É Š”-ÅA’¹/₄, í0, Å-
„, ß, é ||j, Å, k, e, n, ðŽn“ ®, „, Ü, · B ŽY, ìe5h, Å, k, e, n, ð’â Ž~, μ, Ü, · B’â Ž~, μ, ½Œä, à A
e3h, ÅéŒ³/4, μ, ½, —, í—LŒø, Å A||Ä, Ñ, ±, ìe4hfRf}f“fh, ð”||s, ·, é, ±
, Æ, É, æ, Å, Å, k, e, n, ðŽw’è, ·, é, ±, Æ, ^, Ü, · B
||@||@e5h f|f<f^f||f“fg, k, e, n, ð’â Ž~, ·, é
||@||@e6h~fbh -ç Žg—p
e7h, mode, v, n1, y1, n2, y2, ¥¥¥, 0(fGf“fhf}||[fN) v1, íf||f fh,
Fmode, v, l1, v1, l2, v2, ¥¥¥¥||il8, v8, Ü, Å“o~ ^‰ Ä”||j||@‰¹—Ê||, ^Ú, ðŽw’è
||†S’, ð•Œ», μ, ä, ·, „, é, ½, ß, jfRf}f“fh, Å, · Bv, í‰‰ Šú‰¹—Ê||i’‰‰ Ä’||j
ln, vn, í A||u||Š—v‰¹, „, ^Ú‰‰¹—Ê||i||äŒÜ, «, ^||j||v, Å, · BMMLfRf}f“fh, ì
ln, í‰‰¹, „, P^Ê, vn, í, »), %‰¹, Å•ï‰‰», ·, é‰‰¹—Ê, Å, · B
‰‰‰ ’tff||f^“à, Å, í
mode:||§Œäf, ||f h
0:fift
1:Ž Y, ì, P‰‰¹, ¾, —, É, ©, ©, é
2:fL||f||f^“—, É“—, ¶fpf^||f“, ^, ©, ©, é
3:fLfI||f||f“, ^, , Å, Ä, à||, ^Ú, ðŒp’±
v:||‰‰ Šú‰¹—Ê
nn: ^Ú“®‰‰ñ||”||i||fXfefbfv||”||j
yn: , PfXfefbfv, ì^Ú“®—Ê f||f fh, Å Žw’è, %‰º, Wfrfbfg, í||¬||”P^Ê
||@||@e8h, h, s, d, v lh, s, d, v ‘æ, Rfrfuf‰|[fg, ðŽw’è, ·, é
||@||@e8h, 0, 0 IO ‘æ, Rfrfuf‰|[fg, ðflft, É, ·, é
||@||@||@h, v, íf||f fh
‘æ, Rfrfuf‰|[fgfRf}f“fh, Å, · B“®||ì, í’æ, Pfrfuf‰|[fg, Æ’S, “—, ¶, Å, · B
||@||@fch, n œ®”Ö•Œ||ž||^È'u, ðŽw’è
||@||@||@n=œ®”Ö, ì”œö^È'u(0~95, 0ffh)
, U||í, Å||uŒ®”Ö•Œ||ž||^È'u||v, É, Å, ¢, Ä||à-¾, μ, Ü, μ, ½, ^||A“—, ¶, ±
, Æ, ðfRf}f“fh, Å||s, È, x<@”\, Å, · B, ±, ê, í‰‰¹||F, É’î, μ, Ä, Å, í, È, -
, Ä||A, »), jf`ffff“f||f<, É’î, μ, Å Žw’è, μ, Ü, · BMID2FM, Å, í A, ±, ¢, ì, • û-

@,ðŽg,Á,ÄŒ®"Ö^È'u,ðŒÅ'è,µ,Ä,¢,Ü,·B
,±,ìfRf}f"fh,íAFPD.COM"à,Å,í-³Ž<,³,ê,Ü,·BŠ®'S,ÉFVIEW—p,ì,à,ì,Å,·B
@fdh,n,Str Nstr œ®"Ö-¹/₄,ð'è<
@n=Str,ìfofCfg"AStr=œ®"Ö-¹/₄
œ®"Ö-¹/₄,ì'è<,Å,·B,»,ìf`fff"flf<,ÅŒ»ÝŽw'è,³,ê,Ä,¢
,éiŽY,ìfRf}f"fh,É,æ,éjŒ®"Ö,ì-¹/₄'O,ðŽw'è,µ,Ü,·B,±,ê,àFPD,Å,í-
³Ž<,³,êAFVIEW,Å,ì,YŽg—p,³,ê,Ü,·B,Ü,½AStr,ìf^fCgf<,Æ"—
lfGf"fhf}f[fN,í"ü,ç,È,¢,ì,Å'ÔÓ,µ,Ä‰,³,¢B
@feh,n Kn Žg—p,·,éŒ®"Ö,ðŽw'è
@n=Žg—p,·,éŒ®"Ö(0~16)
,ç,ìŒ®"Ö,ðŽg—p,·,é,©,ðŽw'è,µ,Ü,·B
@ffh ìI—¹Œf<[fv
,ìf`fff"flf<,ìI—¹,ð•λ,µ,Ü,·B,±,ê,Ü,Å,É,kfRf}f"fh,³, ,ê,ì,»,ì'n"_,Éf<[fv,µ
A,È,~,ê,ì,»,ìf`fff"flf<,í‰‰‰'tI—¹,µ,Ü,·B

@fRf}f"fh,í^Èä,Å,·B,±,±,É<,³,ç,È,¢,ì,ì,kfRf}f"fh,ìfRf"fpfCf‰,³Ô"—
,µ,Ä,µ,Ü,¤,à,ì,Å,·B

"@,WID•ÍŠ·Ž@E'P^È,É,Â,¢,Ä

@EfXfefbfv,Æ‰¹·,É,Â,¢,Ä

@@‰‰'tffŒf^"à,Å,íA‰¹·,,Œ<x·,,ì'·,³,íA,ì,ì,k,ìu`·‰¹·,,Œv·ûŽ®,ð
@fXfefbfv·ûŽ®,É·ÍŠ·,µ,ÄŽg,Á,Ä,¢,Ü,·B

@@fXfefbfv·ûŽ®,ìI,ì·û,íAùu192·‰¹·,,‰¹½ŒÅ·³, ,é,©Œv,Æ,¢,¤'P^È,Å
‰¹·,,ì'·,³,ð·Œ»,·,é,à,ì,Å,·BfAfZf"fu‰,È,ç,Å‰¹·,,Œ"—
Œs,È,¤êŒ‡,íAùu`·‰¹·,,Œv,æ,è,±,ç,ì·û,¤—y,©,É"Œ‡,³,¢,¢
,ì,Å,·BŽAÛ,É,íAùu192·‰¹·,,Œv,ð,PfXfefbfv,ÆŒÄ,ÑAùu192·³
‰¹·,,¤ŽŒÅ·³,ì'·,³Œv,Æ,¢,¤êŒ‡,íu,ŽfXfefbfvŒv,ÆŒÄì,³,ê,Ü,·B
@,±,ìêŒ‡A—á,ì,ì,S·‰¹·,,íA192·³
‰¹·,,¤48ŒÅ·³,ì'·,³,Å,·,ì,ÅAfXfefbfv·ûŽ®,Å,íu48Œv,ì'·,³,Æ,È,è,Ü,·B¤i¤48fX
fefbfvŒj

@,½,³/₄Aùu,PfXfefbfvŒ192·³
‰¹·,,Œv,ÆŒÅ·è,µ,Ä,µ,Ü,Á,Ä,íA,T~A·,,È,ç,ð·Œ»,·,é,±,Æ,¤o—^,Ü,¹,ñB,±

, ï, æ, x, ÈŽ-‘Ô, É”õ, !, Ä AFCMP.EXE, Å, ï, PfXfefbfv, ²‰‰½• ²‰‰¹• „, ©, ³‰‰Å• ï, É, µ, Ä, , è, Ü, · B, ±, ê, ², sfp [fg, ï, Q, Å-Ú, ï”Žš, Å, · B, ±, ïà-¾, Å, í u’ S
‰‰¹• „, ï’·, ³ v, Æ, È, Å, Ä, ç, Ü, µ, ½, ² A—á, !, ï, PfXfefbfv, ²192• ²‰‰¹• „, Å, , ê, ï’ S
‰‰¹• „, í192fXfefbfv, Æ, È, é, ï, Å A”’I, Æ, µ, Ä, í”-, ¶, ±, Æ, È, è, Ü, · B

ï@ï@, Å A, Ž• ²‰‰¹• „, ðfXfefbfv”, É• ï Š·, ·, é, É, í

ï@ï@ï@’S‰‰¹• „, ï’·, ³ v, Ž

ï@ï@ï@~~~~~

ï@ï@, ³ŒvŽZ, ·, ê, ï, æ, ç, ±, Æ, È, è, Ü, · B

ï@ï@fXfefbfv”, ð u, Ž• ²‰‰¹• „, v• û Ž®, É-ß, ·, ï, í A‰‰‰‰’tff [f^, ©, ç, í• s‰‰Å”\
Å, · B‰‰½Œì, È, ç, í A‰‰‰‰’tff [f^, É, í u’ S‰‰¹• „, ï’·, ³ v, ð< L~ ^, ³, ê, Ä, ç, È, ç
, ©, ç, Å, · B-œ^ ê A<tfrf“fo [f^, È, ç, Å, ±, ï, æ, x, È• ï Š·, ²• K-v, È• ñ A, Æ, è, , !, .’ S
‰‰¹• „, ² 192fXfefbfv, Æ, µ, Ä A< N“ ®flfvfVf f“, Å, ±, ï”’I, ð• ï X o—^, é, æ, x
, É, ·, é, µ, ©, È, ç, Å, µ, å, x B

ï@ïEfef“f|, Æ‰‰‰‰’t’¬“x, É, Å, ç, Ä

ï@ï@, !, !, k, Å, í A< È, ï’¬, ³, ð ufef“f| v, Å Žw’è, µ, Ü, · Bfef“f|, Æ, í A, P• b ŠÔ, É, S• ²
‰‰¹• „, ²‰‰½‰‰ñ-Å, é, ©, Å< È, ï’¬, ³, ð• \, µ, ½, à, ï, Å, · Bfef“f|’l, ²å, «, È, ê, í A< È, ï’¬,-
, È, Å, Ä, ç, «, Ü, · B

ï@ï@, µ, ©, µ A‰‰‰‰’tff [f^, Å, í A< È, ï’¬, ³, ð Ž|, ·’P^ È, ífef“f|, Å, í, , è, Ü, ¹, ñ Bfef“f|
, Å Žw’è, ³, ê, Ä, à A”^—, ², å, å, ±, µ, ç, Æ, ç, x, ï, ²—, R, Å, · B

ï@ï@‰‰‰‰’tff [f^, Å, í u‰‰‰‰’t’¬“x v, í A u, PfXfefbfv, í Ž Ž ŠÔ v, Æ, µ, Ä• \
Œ», ³, ê, Ä, ç, Ü, · B

ï@, Ü, ½ A, ±, í Ž Ž ŠÔ, Æ, í u 1/2760• b, ²‰‰½‰‰ñ, , é, © v, Æ, ç, x’P^ È, É, È, Å, Ä, ç
, Ü, · B

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ï@ï@fef“f|, ð‰‰‰‰’tff [f^, É• ï Š·, ·, é—, ð à-¾, µ, Ü, · B

ï@ï@, Ü, · Afef“f|, ², Ž, Å, , Å, ½, Æ, µ, Ü, · B, ±, í Ž Ž, P• a, É, Ž‰‰ñ, í, S• a‰‰¹• „, a-Å, é, ±  
, Æ, É, È, è, Ü, · B, S• a‰‰¹• „, í A u’ S‰‰¹• „, ï’·, ³ i ^ È

%‰‰ZLEN, Æ• \< L j ^, S v f Xfefbfv, Å, ·, ï, Å A ufef“f|, Ž, í Ž Ž A, P• a ŠÔ, É  
, Ž ~ ZLEN ^, S f Xfefbfv, ï’¬“x v, Æ, ç, x, ±, Æ, È, è, Ü, · B

ï@, Ü, ½ A‰‰‰‰’tff [f^, í u 1/2760• b v, í u 1/(2760\*60)• a v, Æ, ç, x, ±, Æ, È, ï, Å A

□@ %oo%o'tff[f^'x,]'-“x’l@2760\*60 / (n\*ZLEN/4)

~~~~~

□@,Æ,¢,¤Ž®,¤“±,©,ê,Ü,·□B

□@□@,È,“□A%oo%o'tff[f^,©,çfef“f|,ðŽZ□o,·,é,±,Æ,í□AZLEN,ì’l,¤%o
%o'tff[f^,É,È,¢,½,ß□A•s%oÂ”\,Å,·□B

□@□Efxf“fh,É,æ,é•ï%o»—|

□@□@fxf“fhŒn,ì-½—ß□ffff`f...□f“□Efrfuf%o□[fg□j,Å,í□AŽÀ□Û,É,Ç,ì’ö“x
%o¹,¤,,ê,Ä,¢,é,ì,©□A,Æ,¢,¤,±,Æ,Å,·,¤□A□Ú,µ,□à-
¾,·,é,Æ,e,o,c,ì“à•”fAf<fsfšfYf€,É,Ü,Å~b,¤y,Ô,É,Å□A^È%oº,ì,Q—á,¾,¬,É—
-,ß,Ü,·□B

□Efxf“fh’l,¤1000h,È,ç□A’š“x,PflfNf^□[fu□ä,¤,é□B<t,É□A-
800h,ìŽž,É’š“x,PflfNf^□[fu%oº,¤,é□B
□Efxf“fh’l,¤0f3h,È,ç□A’š“x”¹/₄%o¹□ä,¤,é□B<t,É□A-0e6h,ìŽž,É□A’š“x”¹/₄%o¹
%oº,¤,é□B

□@□@,½,¾,µ□A,±,±,ÅŽ!,µ,½fxf“fh•□,í□AFPD Ver2.1,ìfxf“fh-½—ß,Å,í•\Œ»□o—
^,Ü,¹,ñ□B

□@, ,Ü,Å,à•ï%o»—|,ì-Ú^À,Æ,µ,ÄŒ©,Ä%oº,³,¢□B

□@□Efjf<f^f□f“fg,ì•ïŠ·Ž®

□@□@,l,l,k,ìPh,l,Æ%o%o'tff[f^,ì0e0h,w,v,ìŠÖŒWŽ®,í^È%oº,ì’Ê,è,Å,·□B

w = ZLEN*2 / l

v = (2^(28+h/12)-10000000h) / (ZLEN / l)

□@□@ZLEN,í□A’S%o¹•,,ì’·,³,Å,·□B,-
,ðŽZ□o,·,éŽž,É□A□¬□”,ðŠÜ,þ,Ø,«□æŒvŽZ,¤□o,Ä—
^,Ü,·,ì,Å□A,b”™,ì□,<%oŒ³/₄Œê,ðŽg,í,È,¢,Æ“i,µ,¢,ÆŽv,¢,Ü,·□B

□@□@,È,“□Afjf<f^f□f“fg,íFPD.COM“à,Å,íŽÀ,í,½,¾,ì’æ“ñfrfuf%o□[fg“l,È□^—

¶@¶@,½,¾,µ¶A,±,ƒfhfLƒ...ƒ„f„f„fg,ðŽQ¶I,É¶¶¬,μ,½FPD.COM,ìŒÝŠ·ƒftfg,ð-
³'f"z•z,·,é,±,Æ,Í,È,é,x,Œä‰“—¶‰ººº,³,¢¶B¶@¶@¶@¶@¶@¶@

¶@¶E-œ^ê,±,ìƒhfLf...f¶f“fg,ì<L¶Ú,¤ŠÖ^á,Á,Ä,“,è¶A,»,ê,¤Œ
‘^ö,Å,È,ñ,c,©,ì‘¹ŠQ,¤¶¶,¶,Ä,à¶AŽ,,É,»,ì¶Ó”C,Í,È,¢,à,ì,Æ,³,¹,Ä’,,«,Ü,·¶B

□@□E,±,ìf hf Lf...f□f“fg,í□Aflfbfg,ÉfAf bfv,μ,Ä’„,¢,Ä□\,¢
,Ü,¹,ñ□B,½,¾,μfA□[fjfCfu,ì’+□g,í•ì□X,μ,È,¢,Å‰‰º,³,¢□B,Ü,½“]□Ú,ì•ñ□□,í□¤—
pflfbfg^ÈŠO,í•s—v,Å,·□B’åŽè□¤—pflfbfg,ì□ê□‡□A,Q□d“]□Ú,ð”ð,¬,é^Ó—
¡,Å•ñ□□,ð,“Šè,¢,μ,Ü,·□B

© Epsilon

“@#@@#@@“; ^ä@Gž÷@i,l,j,q@j

•é—¢Œœ<†Š

KURE0001

zob15065

fRf"fpfCf<Žž,ìo—Íf]fbfZ]fW

„,Ü,,íCŽÀÛ,ÉfRf"fpfCf<,μ,½Žž,ìf]fbfZ]fW,ð^È‰º,ÉŽ|,μ,Ü,·D
ífXfy]fX,ì"s‡,ÅŽÀÛ,ìo—Í,Æ‰ºs^È'u,³^Ù,È,Á,Ä,¢,Ü,·j

FPD Music Marco Language Compiler.. (Filename)

Set \$ Part 0 Macro is defined.

Set V part 6 Voice setting.

Fin. 0A Part - Step 2880 (0)

Fin. 0B Part - Step 2884 (0)

Fin. 0C Part - Step 2880 (0)

Fin. 0D Part - Step 2880 (0)

Fin. 0E Part - Step unknown,w is found.

Fin. 0F Part - Step unknown,w is found.

Fin. 0G Part - Step unknown,w is found.

Fin. 0H Part - Step unknown,w is found.

Analyze sync-command ...

Wait 0E Part - Step 2880 (0)

Wait 0F Part - Step 2880 (0)

Wait 0G Part - Step 2880 (0)

Wait 0H Part - Step 2880 (0)

Compile Completed. Object data is 924 bytes.

,»,{,¹/₄,ê,ì^Ó-¡,É,Â,¢,ÄíCà-¾,μ,Ä,¢,«,Ü,·D

>FPD Music Marco Language Compiler.. (Filename)

,±,ìs,íCfl]fvfjf"fof]fbfZ]fW+•íS·ftf@fCf<-¼,Å,·D

>Set \$ Part 0 Macro is defined.

í@,±,ê,íC\$ fp][fgíC,Â,Ü,èf}fNf]`è<`fp][fg,í‰ºíŒ<%ºÈ,ð•\Ž|,μ,Ä,¢,Ü,·D,±
,±,Å,íC**0 Macro is defined.** ,Æ•\Ž|,³,ê,½,ì,ÅíCf}fNf]`è<`í,È,¢,Æ,¢,¤^Ó-
¡,É,È,è,Ü,·D

>Set V part 6 Voice setting.

í@Vfp][fgíPCMftf@fCf<'è<`•",ífRf"fpfCf<Œ<%ºÈ,Å,·D,¢,-
,Å,íPCMftf@fCf<í@,³`è<`³,ê,½,ì,©,ð•\Ž|,μ,Ü,·D,½,¾,μíC,±,±
,ÅŽ|,³,ê,é"Žš,ííC, ,Ü,Å,àVfp][fg,É,æ,éíY`è",ÅíC,±
,í¹/₄,É,àfRf"ftfBfOftf@fCf<,ðŽQíÆ,μ,ÄPCMftf@fCf<,ííY`è,ð,·,é,±,Æ,³, ,è,Ü,·D

>Fin. 0A Part - Step 2880 (0)

~~[1] ~~~~~[2] ~~~~[3]

☐@%oo't•"fpfg[i0A`3P,Ü,À64f`fff"flf<j,ifRf"fpfCf<Œ<%ooÊ,ð‡ŽÝ•\
 Ž!,μ,Ü,·D
 [1],ì•"•,À,íC|—¹,μ,½fpfg,ð•\Ž!,μ,Ü,·D
 [2],íC,»,ifpfg'S'ì,ifXfefbfv",À,·D
 [3]
 ,íCLfRf}f"fh|i<È,ìÄfXf^fgêŠ,ìéŒ³/4j^È~_,ifXfefbfv",À,·DLfRf}f"f
 h,à,È,¢ê†,Í,O,É,È,è,Ü,·D

☐@fXfefbfv",íC,Æ,,Éf`fff"flf<ŠÔ,ì,,ê,ð"Œ©,·,é,ì,É•Ö—~,À,·D

>**Fin. 0E Part - Step unknown,w is found.**

☐@,Ü,½CfXfefbfv",ð•\Ž!,·,é,©,í,è,ÉC,±,ì,æ,¤,ÈffbfZ[fW,¤o,é,±,Æ,à, ,è,
 Ü,·D,±,é,íC,»,ifpfg,Àw("ŠúM†'Ò,ifRf}f"fh,¤g,í,ê,À,¢
 ,½,½,ßCfXfefbfv",à"À'è,À,«,È,¢Žž,Éo,À,«,Ü,·D

☐@,±,iffbfZ[fW,¤o,½fpfg,À,íCfXfefbfv",¤Œ^,Ü,À,½Žž"_,ÀC

>**Wait 0E Part - Step 2880 (0)**

☐@,ì,æ,¤,É•\Ž!,à, ,è,Ü,·D

>**Analyze sync-command ...**

'ÈifRf"fpfCf<,¤I—¹,μC"ŠúfRf}f"fh,ì^—_,É"ü,éŽž,É•\
 Ž!,³,é,Ü,·D"ŠúfRf}f"fh,¤g—p,³,é,À,¢,È,¢ê†,íC,±,iffbfZ[fW,í•\
 Ž!,³,é,Ü,¹,ñD

>**Compile Completed. Object data is 924 bytes.**

fRf"fpfCf<,¤S®—¹,μ,½ffbfZ[fW,À,·DflfufWfFfNfgi%oo%oo't—
 pjjftf@fCf<,ifTfCfY,ð•\Ž!,μ,ÀI—¹,μ,Ü,·D

”☐@fGf%oo[fbfZ[fW,É,À,¢,ÀEŒ

☐@MML,ì•\Lf~fX"™ C%oo½,©-â'è,¤N,±,é,ÆCfGf
 %oo[fbfZ[fW,ðo,μ,ÄfRf"fpfCf<,ð'âž~,μ,Ü,·D,±,ìŽžCfGf%oo[,ìŽí—
 þ,É,æ,À,À,íC|^—'†,if%ofCf""Ô†,Æ•¶Žš,¤o,Ü,·,¤C•K,,μ,àfGf
 %oo[,ìêŠ,ðŽw,μ,À,¢,é,Æ,íŒÀ,ç,È,¢,ì,ÀCŽQl'ö"x,É—,ß,À
 %oo³,¢D,Ü,½CAnalyze config-file...,iffbfZ[fW,ìŒä,ÀfGf
 %oo[,¤o,½ê†,íC%ofCf",ifRf"ftfBfOftf@fCf<"à,if%ofCf",É,È,è,Ü,·D
 ☐@,Ü,½Cf}fNf"à,ÀfGf%oo[,¤o,½ê†,É,íCf}fNf,ì'e<`s,À,í,È,,ÀŽg—
 p}s,ì•û,ÀfGf%oo[,¤o,Ü,·DfGf%oo[,¤o,½f%ofCf",Àf}fNf,ðŽg—p,μ,À,¢
 ,éê†,É,íCf}fNf'è<,ì•û,àŠm"F,μ,À%oo³,¢D
 ☐@fGf%oo[fbfZ[fW,ÆC|,ì,ç,é,éŽå,ÈŒ'^ö,ðà-¾,μ,À,¢,«,Ü,·D

0. Out of memory.

☐@☐@f,f,Ù,¤'«,è,Ü,¹,ñD

□@□@,±,ìfGf%o□[,í□C^È%o°,ì,æ,¤,È□ó<μ,É□o,Ü,·□D
 1. f□f,fŠ,ìŠm•Ü,ÉŽ, "s,μ,½
 2. Šm•Ü,μ,½f□f,fŠ,ÉfIfufWfFfNfgff□[f^□i□¶¬ff□[f^□j,¤“ü,ç,È,¢
 □@,±,ìfRf“fpfCf%o
 ,í□C<N“®Žž,ÉMMLftf@fCf<,ðSi”[,·,éf□f,fŠ,Æ□¶¬ff□[f^,ðSi”[,μ,Ä,¢,-
 f□f,fŠ,Æ,ðSm•Ü,μ,æ,¤,Æ,μ,Ü,·,¤□C,»,ìŽž,Éf□f,fŠ•s’«,ÅSm•Ü□o—
 ^,È,¢□ê□‡,¤,P,ìfP□[fx,Å,·□D
 □@,Q,íŠm•Ü,μ,½f□f,fŠ,æ,è□¶¬ff□[f^,¤‘å,«,-
 ,È,Á,Ä,μ,Ü,Á,½□ê□‡,Å,·□DŒ»fo□[fWf†f“,Å,í□CfIfufWfFfNfg—
 pfosfbftf@,ð48k,Æ,Á,Ä,¢,Ü,·□D

1. File not found.

fRf“fpfCf<,μ,æ,¤
 ,Æ,μ,½ftf@fCf<,Ü,½,ífRf“ftfBfOftf@fCf<,¤Œ©,Å,©,è,Ü,¹,ñ□DMMLftf@fCf<,í□C•K,
 .MML ,ìŠg'£Žq,Å,È,¬,ê,î,È,è,Ü,¹,ñ□D
 □@fRf“ftfBfOftf@fCf<FPD.CFB,¤Œ©,Å,©,ç,È,¬,ê,î,â,í,è,±,ìfGf
 %o□[,¤□o,Ü,·□D,È,¬'S,Ä,ìŽg—p%o¹□F,¤Vfp□[fg,Å□Y'è,³,ê,Ä,¢
 ,ê,î□CfRf“ftfBfOftf@fCf<,í•K—v,È,¢,ì,Å□C“Ç,Ý,É□s,«,Ü,¹,ñ□D

2. Syntax error.

□@•¶-@□ã,ìŒë,è,Å,·□DŽå,É□C%oð□í•s”\,È•¶Žš,¤, ,Á,½□ê□‡□C•K—
 v,È□”’l“™,¤,È,¢□ê□‡,É□o,Ü,·□D“Á,ÉŒäŽÒ,í”Œ©,μ,É,,¢,ì,Å□C,æ,Œ©’¼,μ,Ä
 %o°,³,¢□D
 □@,±,ìfGf%o□[,íf%o□Cf“,¤•¶Žš,ð—S,è,É,·,ê,î□C□C□³,í—e^Ö,©,ÆŽv,¢,Ü,·□D

3. Illegal function call.

□”’l,¤<K’è,ì”í^í,ð%oZ,!,Ä,¢,Ü,·□D

4. Missing ? Part.

□È—¤•s%oÅ”\,Èfp□[fg,¤Œ©,Å,©,è,Ü,¹,ñ□D,½,¾,μ□CŒ»fo□[fWf†f“,Å,í•K,,•K
 —v,Èfp□[fg,í, ,è,Ü,¹,ñ,ì,Å□C,±,ìfGf%o□[,í□o,È,¢,ÆŽv,¢,Ü,·□D

5. Undefined Macro.

□@’è<` ,³,ê,Ä,¢,È,¢f}fNf□,¤Žg—p,³,ê,Ü,μ,½□D

6. Macro name error.

□@Žg—p•s%oÅ”\,Èf}fNf□-¼,¤Žg,í,ê,Ü,μ,½□Df}fNf□,ÉŽg,!,é,ì,í□C’å□¬
 %o p•¶Žš,Æ□”Žš,PŒ...,ì□C□‡Œv,U,Q•¶Žš,Å,·□D

7. Too many voice names.

□@%o¹□F’è<` ,ì□”,¤’½,·,¬,Ü,·□D

□@FPD97,Å,í□C“-Žž,É127ŒÅ,Ü,Å,μ,©%o¹□F,ðf□□[fh,Å,«,Ü,¹,ñ□D□]
 ,Å,Ä□C,P,Å,ìMML’t,Å127ŒÅ,ð%oZ,!,½Žw’è,¤, ,ê,ìfGf%o□[,Æ,È,è,Ü,·□D

8. Out of octave.

[@flfNf^fu,^1`8,]^í,ð‰oZ,!,Ü,μ,½D,±,jfGf‰o[,^o,é,í o,<,>,í,R,Â,Å,·D

9. Nesting Macro.

@f}fNf^t,Âf}fNf,ðŽg,Á,Ä,Ü,·D,±,jfGf‰o[,àCf}fNfŽg—
p,s,Âo,Ü,!,í,Â'^Ó,μ,Ä‰o,³,¢D—á,!,íC

\$a c4c4c4

\$b \$ae8g8

A [\$b]2

[@,±,!,æ,¤,Èê‡,Â,àCAfp][fg,í}s,ÂfGf‰o[,^o,Ü,·D

10. Too many loops.

@f<fv,ìflfXfg,^16,ð‰oZ,!,Ü,μ,½D

@17ŒÅ-U,ì[,ðŠm" F,μ,½Žž",Â,±,jfGf‰o[,^o,Ü,·Df<fv,ð16d,àŽg,¤,±,
Æ,í,Ü,,È,¢,Æ,íŽv,¢,Ü,!,íC,±,jfGf‰o[,^o,½Žž,í,È,ñ,Æ,©,μ,Äf<fv,ðŒ,,ç,μ,Ä
‰o,³,¢DSTU,ìŠÈ^ÖfR[f<,ðŽg,¤,!,àŽè,Â,·D

@,Ü,½CŠÈ^ÖfR[f<¤,Äf<fv,ðŽg,Á,Ä,¢,éê‡,íC,»,ìflfXfg,àfJfEf"fg,³,ê,Ä,¢
,Ü,·D—á,!,ÍS~T,ìŠO,Â,P,Äf<fv,ðŽg,Á,Ä,¢,ÄC16df<fv,ì't,ÅU,ðŽg,¤,Æ,±
,jfGf‰o[,^o,Ä,μ,Ü,¢,Ü,·D

11.] Without [

[@,±,±,©,ç13"Ô,Ü,Â,íCf<fv,ì'‰ož,ìŠO^á,¢,É,¤,éfGf‰o[,Â,·D

[@,±,¤,íC],^¤,¤,è'½,¢,Æo,Ü,·D

12. : Without [

@f<fvŠO,Â:fRf}f"fhif<fvfAfEfj,^Žg,í,ê,Ü,μ,½D

13. [Without]

[,É'‰ož,·,é],^,¤,Ü,¹,ñD,±,jfGf‰o[,íf‰oCf",â•¶Žš,í'S,,Ä,É,È,ç,,C"-
Œ©,í,©,È,è,â,Â,©,¢,È,±,Æ,à, ,è,Ü,·D

14. Easy call error.

@ŠÈ^ÖfR[f< STU,ÉŠO,·,éŠO^á,¢,^,¤,Ü,·D<ì'ì"l,É,íCüST,^,È,¢,ì,É U
,ðŽg,Á,½vüS,^,È,¢,ì,É T,ðŽg,Á,½vüS,ÆT,^f<fv,ì"àŠO,É,í,©,ê,Ä,¢
,év,È,Ç,Â,·D

15. & after command,r

@&fRf}f"fhif^fCüj,^¤,âfRf}f"fh,ìŒä,ë,É, ,è,Ü,·Df^fCfRf}f"fh,íC•K,,
‰o, „,ì'¼Œä,É,Â, ,Ä‰o,³,¢D

16. w must be out of loop

17. s must be out of loop

□@“-ŠúfRf}f“fh,²f<□[fv’†,Ü,½,ÍS~T,ìŠÔ,É, ,è,Ü,·□DwfRf}f“fh□CsfRf}f“fh,í□C,»,ì
□«Žž□ã□Cf<□[fv,ì’†,ÅŽg,¤,±,Æ,í,Å,«,Ü,¹,ñ□D

18. too many w.

19. too many s.

□@w,Ü,½,Ís,²½,·,¬,Ü,·□Dw,s ,í□C,»,ê,¼,ê’Sf`fff“flf<□‡,í,¹,Ä128ŒÅ,Ü,Å,Å,·□D

20. Send not found.

□@wfRf}f“fh,², ,é,ì,É□C,»,ê,É□M□t,ð’—,ésfRf}f“fh,², ,è,Ü,¹,ñ□D

21. w found after s.

□@wfRf}f“fh,²□C¹‰ž,·,ésfRf}f“fh,æ,èŒä,ë,É, ,è,Ü,·□D

22. Wait step is too long.

□@wfRf}f“fh,É,æ,é’Ò,¿fxfefbfv□”,²å,«,·,¬,Ü,·□DwfRf}f“fh,É,æ,éfEfGfCfg,í□C
Œ»fo□[fWf‡f“,Å,í16581375(=255,ì,R□æ) ,Ü,Å,μ,©¹‰ž,μ,Å,¢,Ü,¹,ñ□D

23. N without K

□@KfRf}f“fh,²,È,¢,ì,ÉNfRf}f“fh,²Žg—p,³,ê,Ü,μ,½□D

□@NfRf}f“fh,í□CŽg—p’†,ìŒ®”Ò,Éf□f,,ð□Ý’è,·,éfRf}f“fh,È,ì,Å□CŽg—
p,·,éŒ®”Ò,ðŽw’è,·,éKfRf}f“fh,ìŒä,É,È,¬,ê,ì,È,è,Ü,¹,ñ□D

ŠyŠí‰‰¹□F'Î‰‰Ž•

,±,±,Éo,Ä,,é‰‰¹□F"Ô†,ÍAMMLftf@fCf<,ìu@fRf}f"fhv,ÅŽw'è,·,éÛ,ÉŽg,¢,Ü,·B

200"Ô`327"Ô,É,ÍAFPD97,ìf}f<`‰‰¹□F,¤S,,è“-,Ä,ç,ê,Ä,¢,Ü,·B ¤f}f<`‰‰¹□F,ì,½,ß"¤Œ`ftf@fCf<-¼,ÍÈ—¤j

fsfAfmŒn

- 200: Acoustic Grand97
- 201: Bright Acoustic97
- 202: Electric Grand97
- 203: Honky-Tonk97
- 204: Electric Piano97 1
- 205: Electric Piano97 2
- 206: Harpsichord97
- 207: Clav97
- 208: Celesta97
- 209: Glockenspiel97
- 210: Music Box97
- 211: Vibraphone97
- 212: Marimba97
- 213: Xylophone97
- 214: Tubular Bells97
- 215: Dulcimer97

fif<Kf“Œn

- 216: Drawbar Organ97
- 217: Percussive Organ97
- 218: Rock Organ97
- 219: Church Organ97
- 220: Reed Organ97
- 221: Accordan97
- 222: Harmonica97
- 223: Tango Accordian97

fMf^Œn

- 224: Acoustic Guitar97(nylon)
- 225: Acoustic Guitar97(steel)
- 226: Electric Guitar97(jazz)
- 227: Electric Guitar97(clean)
- 228: Electric Guitar97(muted)
- 229: Overdriven Guitar97

230: Distortion Guitar97
231: Guitar Harmonics97

fXf[fxæn

232: Acoustic Bass97
233: Electric Bass97(finger)
234: Electric Bass97(pick)
235: Fretless Bass97
236: Slap Bass97 1
237: Slap Bass97 2
238: Synth Bass97 1
239: Synth Bass97 2

fXfgfŠf“fOfxæn

240: Violin97
241: Viola97
242: Cello97
243: Contrabass97
244: Tremolo Strings97
245: Pizzicato Strings97
246: Orchestral Strings97
247: Timpani97

fAf“fTf“fuf<æn

248: String Ensemble97 1
249: String Ensemble97 2
250: SynthStrings97 1
251: SynthStrings97 2
252: Choir Aahs97
253: Voice Oohs97
254: Synth Voice97
255: Orchestra Hit97

fuf%ofxæn

256: Trumpet97
257: Trombone97
258: Tuba97
259: Muted Trumpet97
260: French Horn97
261: Brass Section97
262: SynthBrass97 1
263: SynthBrass97 2

fŠ[]fh&En

- 264: Soprano Sax97
- 265: Alto Sax97
- 266: Tenor Sax97
- 267: Baritone Sax97
- 268: Oboe97
- 269: English Horn97
- 270: Bassoon97
- 271: Clarinet97

fpfCfv&En

- 272: Piccolo97
- 273: Flute97
- 274: Recorder97
- 275: Pan Flute97
- 276: Blown Bottle97
- 277: Shakuhachi97
- 278: Whistle97
- 279: Ocarina97

fVf“fZ[]Efš[]fh&En

- 280: Lead97 1 (square)
- 281: Lead97 2 (sawtooth)
- 282: Lead97 3 (calliope)
- 283: Lead97 4 (chiff)
- 284: Lead97 5 (charang)
- 285: Lead97 6 (voice)
- 286: Lead97 7 (fifths)
- 287: Lead97 8 (bass+lead)

fVf“fZ[]Efpfbfh&En

- 288: Pad97 1 (new age)
- 289: Pad97 2 (warm)
- 290: Pad97 3 (polysynth)
- 291: Pad97 4 (choir)
- 292: Pad97 5 (bowed)
- 293: Pad97 6 (metallic)
- 294: Pad97 7 (halo)
- 295: Pad97 8 (sweep)

fVf“fZ[]EfGftfFfNfg&En

- 296: FX97 1 (rain)
- 297: FX97 2 (soundtrack)

- 298: FX97 3 (crystal)
- 299: FX97 4 (atmosphere)
- 300: FX97 5 (brightness)
- 301: FX97 6 (goblins)
- 302: FX97 7 (echoes)
- 303: FX97 8 (sci-fi)

fGfXfjfjfNŒn

- 304: Sitar97
- 305: Banjo97
- 306: Shamisen97
- 307: Koto97
- 308: Kalimba97
- 309: Bagpipe97
- 310: Fiddle97
- 311: Shanai97

fþf[f]fbfVftf“Œn

- 312: Tinkle Bell97
- 313: Agogo97
- 314: Steel Drums97
- 315: Woodblock97
- 316: Taiko Drum97
- 317: Melodic Tom97
- 318: Synth Drum97
- 319: Reverse Cymbal97

fTfEf“fhŒfGftfFfNfgŒn

- 320: Guitar Fret Noise97
- 321: Breath Noise97
- 322: Seashore97
- 323: Bird Tweet97
- 324: Telephone Ring97
- 325: Helicopter97
- 326: Applause97
- 327: Gunshot97

2128”Ô` 2226”Ô,É,ÍŒAFPD97,lfhf‰of€‰o¹ŒF,‡Š„,è“-,Ä,ç,ê,Ä,¢,Ü,·ŒB

- | | |
|----------------|-----------------------|
| 2128: realkick | fofXfhf‰of€97_1 |
| 2129: prockick | fofXfhf‰of€97_2 |
| 2130: sidestic | fTfCfhfXfefBfbfN97 |
| 2131: r_snare | fŒfbfNfXflfAfhf‰of€97 |

2132: handclap	f _{nf} "f _{hf} N _f % _o f _b f _v 97
2133: lgt_snar	fQ[]fgfXflfAfhf%of€97_1
2134: tom_lo	f^f€97_1('á,¢)
2135: tite_hh	f^fCf _g []Ef _{nf} Cf _{nf} b _{fg} 97
2136: pedal_hh	f _{yf} _f<Ef _{nf} Cf _{nf} b _{fg} 97
2137: open_hh	fI[]fvf"fnfCf _{nf} b _{fg} 97
2138: tom_hi	f^f€97_1(®,¢)j
2139: crashcym	fNf% _o f _b f _V f...fVf"fof<97
2140: ridecym1	f% _o fCfhfVf"fof<97_1
2141: chinacym	f`fffCfj[]fYfVf"fof<97
2142: ridecup	f% _o fCfhfVf"fof<97_2
2143: tambour	f^f"fofŠf"97
2144: spl_cym	fXfvf% _o f _b f _V f...fVf"fof<97
2145: cowbel	fJfEfxf<97
2146: vibrasp	frfuf% _o fXf% _o f _b f _v 97
2147: hi_bongo	f{f"fs97(®,¢)
2148: lo_bongo	f{f"fs97('á,¢)
2149: mt_conga	fRf"fk97(f~f...[]fg)
2150: op_conga	fRf"fk97(fI[]fvf")
2151: hitimbal	fefBf"fof<97_1(®,¢)
2152: lotimbal	fefBf"fof<97_1('á,¢)
2153: agogo	fAfSfS97
2154: cabasa	fJfofT97
2155: maracas	f}f% _o fJfX97
2156: whistles	ŒÛ"J97_1
2157: whistlel	ŒÛ"J97_2
2158: gurio_s	fOfCf[]97('Z,¢)
2159: gurio_l	fOfCf[]97('·,¢)
2160: claves	fNf% _o fxfX97
2161: wdblock2	fEfbfhfu _f []fbfN97_1
2162: wdblock3	fEfbfhfu _f []fbfN97_2
2163: mt_cuica	fNfCfK97(f~f...[]fg)
2164: op_cuica	fNfCfK97(fI[]fvf")
2165: mt_trian	f _{gf} % _o fCfAf"fof<97(f~f...[]fg)
2166: op_trian	f _{gf} % _o fCfAf"fof<97(fI[]fvf")
2167: jinglebl	fWf"fof<fxf<97
2168: thing	thing97
2169: castanet	fJfXf^flfb _{fg} 97
2170: taiko_lo	'¾ŒÛ97('á,¢)
2171: gt_kick	fofXfhf% _o f€97_3
2172: ml_kick	fofXfhf% _o f€97_4
2173: powsnare	fpf[]fxflfAfhf% _o f€97
2174: gt_snare	fQ[]fgfXflfAfhf% _o f€97_2

2175: prc_tom f^f€97_2
2176: rideedge f%oCfhfVf“fof<□EfGfbfW
2177: sy_kick1 fofXfhf%o f€97_5
2178: syn_rim fVf“fZ□EfŠf€97
2179: sysnare1 fVf“fZfXflfAfhf%o f€97_1
2180: synclaps fVf“fZ□Efnf“fhfNf%o fbfv
2181: snare2 fXflfAfhf%o f€97_1
2182: sytom_lo fVf“fZf^f€97('á,¢)
2183: closeshh fNf□□[fYfhshh97
2184: open_shh fl□[fvf“shh97
2185: sytom_hi fVf“fZf^f€97(□,,¢)
2186: symaraca fVf“fZf}f%o fJfX97
2187: syclaves fVf“fZfNf%o fxfX97
2188: zap2 fUfbfv%o¹⁹⁷
2189: ambisnar fAf“frfGf“fg□EfXflfAfhf%o f€97
2190: scrat_hi fXfNf%o fbf`%o¹⁹⁷(□,,¢)
2191: scrat_lo fXfNf%o fbf`%o¹⁹⁷('á,¢)
2192: cr_kick1 fofXfhf%o f€97_6
2193: sycowbel fVf“fZfjfEfxf<97
2194: punchkic fofXfhf%o f€97_7
2195: r_kick fofXfhf%o f€97_8
2196: softsnar fXflfAfhf%o f€97_2
2197: ridecym2 f%oCfhfVf“fof<97_3
2198: metro2 flfgf□%o¹⁹⁷
2199: br_tap f^fbfv%o¹⁹⁷
2200: br_slap fXf%o fbfv%o¹⁹⁷
2201: beltree fxf<,jŽ÷97
2202: br_swish fXfEfBfbfVf...%o¹⁹⁷
2203: br_tom f^f€97_3
2204: baya1 fof„,97_1
2205: baya2 fof„,97_2
2206: tabla1 f^fuf%o97_1
2207: tabla2 f^fuf%o97_2
2208: tabla3 f^fuf%o97_3
2209: wdblock1 fEfbfhufuf□fbfN97_3
2210: orch_bd fofXfhf%o f€□EfI□[fPfXfgf%o97
2211: scratdbl fXfNf%o fbf` dbl97
2212: slpconga fXf%o fbfv□EfRf“fK97
2213: timbales fefBf“fofŒfX97
2214: r_timbal fefBf“fof<97_2
2215: fngsnar fXflfAfhf%o f€□EfLfBf“fK□[97
2216: taiko_hi '¾ŒÜ97(□,,¢)
2217: rlsnare1 fXflfAfhf%o f€97_3

2218: rlsnare2	fXflfAfhf‰f€97_4
2219: orchcrsh	fl [fPfXfgf‰EfNf‰fbfVf...97
2221: applause	"Žè97
2222: ambikick	fAf"frfGf"fg Ef of Xfhf‰f€97
2223: dankick	fofXfhf‰f€97_9
2224: sysnare2	fVf"ZfXflfAfhf‰f€97_2
2225: orch_bd	fofXfhf‰f€Ef fPfXfgf‰97 (2210"Ô,Æ",¶)
2226: orchcrsh	fl [fPfXfgf‰EfNf‰fbfVf...97(2219"Ô,Æ",¶)

,±,±,©,çæ,ÍFPD95,ÅŽg,í,ê,Ä,¢,½‰o¹F,Å,·B
0"Ô`188"Ô,ð—~—p,µ,Ü,·B

%o¹F"Ôt: "gŒ`ftf@fCf<-¼ %o¹F-¼,ì‡,É•À,ñ,Å,¢,Ü,·B

fsfAfmŒn

000: 03piano1	fAfR [fXfefBfbfN EfsfAfm
001: m3harpsi	fn [fvfVfR [fh
002: m3ep2	fGfŒfNfgfŠfbfN EfsfAfm
003: m3clav	fNf‰frflfbfg

fxf<Œn

007: m3vibe	frfuf‰zf",P
008: m3marimb	f}fŠf"fo
009: m3tblar	fxf<
010: 03vibe	frfuf‰zf",Q

flf<fkf"Œn

014: 03organ2	fhf [fo [Ef f<fkf"
015: 03peorg2	f fbfN Ef f<fkf"
016: m3church	f`ff [f` Ef f<fkf"
017: m3organ2	fŠ [fh Ef f<fkf"
018: 03accord	fAfR [fffBf f"
019: 03harmon	fn [f,fjj]

fMf^Œn

024: m3guit1	fifCf f" EfMf^
025: m3guit2	fXfefB f< EfMf^
026: m3jzguit	fWffffY EfMf^
027: m3elguit	fNfŠ [f" EfMf^
028: m3mtguit	f~f... [fg EfMf^
029: 03dist	fffBfXfg [fVf f" EfMf^

fx[]fxen

- 034: m3rn bass fGfŒfNfgfŠfbfNŒfx[]fx
035: m3abass fAfR[]fxfefBfbfNŒfx[]fx
036: 03sl bass fx%o fb fvŒfx[]fx
038: m3ftless ftfŒfbfgfŒfxŒfx[]fx
039: m3sbass1 fVf“fZŒfx[]fx,P
040: 03tcbass fVf“fZŒfx[]fx,Q

fxfgfŠf“fofxen

- 044: 03violin fofCflfŠf“
046: 03strens fVf“fZŒfxfgfŠf“fofx,P
047: 03pizzic fofCflfŠf“Œfsf`fj[]fg
048: 03harp fn[]fv
049: 03timpan fefBf“fpfj

fAf“fTf“fuf<en

- 053: 03str2 fVf“fZŒfxfgfŠf“fofx,Q
054: 03anastr fVf“fZŒfxfgfŠf“fofx,R
055: m3str fVf“fZŒfxfgfŠf“fofx,S
056: 03choir fR[]f%o fx,P
057: 03doovox f{fCfx,P
058: 03schoir fR[]f%o fx,Q
059: 03ohit fI[]fPfxfgf%o fqfbfg

fuf%o fxen

- 063: 03trump1 fgf%o f“fyfbfg
064: m3tr&tp fgf[]f“f{}[]f“
065: m3mutetp f~f...[]fgŒfgf%o f“fyfbfg
066: 03ftuba f`f...[]fo
067: m3power fVf“fZfuf%o fx,P
068: 03brass1 fVf“fZfuf%o fx,Q
069: m3brass1 fVf“fZfuf%o fx,R

fš[]fhen

- 073: 03sopsax ffvf%o fmŒfTfbfNfx
074: 03tensax fefm[]f<ŒfTfbfNfx,P
075: m3tensax fefm[]f<ŒfTfbfNfx,Q
076: 03oboe fI[]f{fG
077: m3clari fNf%o fŠflfbfg

fpfcfv&en

- 081: 03hflute ftf<[]fg
082: m3reed fš[]fh

083: m3pflute fpf“ftf<[]fg
084: 03shaku ŽU”^a
085: 03voice f{fCfX,Q

fVf“fZ[]EfŠ[]fhŒn

089: 03square <éŒ`”g
090: 03saw ,l,±,¬,è”g
091: 03 pwm fVf“fZ[]EfŠ[]fh

fVf“fZ[]EfpfbfhŒn

095: 03ether fxf<[]•fR[] [f%ofoX
096: 03synvox f[]f^f<f{fCfX

fVf“fZ[]EfGftfFfNfgŒn

100: 03ghost fVf“fZ[]EfGftfFfNfg

fGfXfjfjfNŒn

104: 03banjo fof“fWf#[]
105: m3sitar fVf^[] [f<,P
106: 03shami ŽO-;ü
107: m3kalimb fJfŠf“fo

fþ[]fjfVf+f“Œn

111: m3pole f[] [f<
112: m3sitar2 fVf^[] [f<,Q
113: m3vbihit fEfbfhfuf[]fbfN,P
114: 03taiko '¾ŒÜ
115: m3etom fGfŒfNfgfŠfbfN[]Ef^f€

fTfEf“fh[]EfGftfFfNfgŒn

119: 03fret ftfŒfbfgfmfCfY
120: 0369o4g- fufŒfXfmfCfY
121: 03stad fXf^fWfAf€
122: 03bird '¹,l-Â,«[]º
123: 03ring "d~b,lfxf<
124: 03heli fwfŠfRfvf^[]
125: m3hnoon2 fKf“fVf+fbg

fhf%ofoŒn

150: 03d47 f^f€
151: 03ccym2 fNf%ofofbfVf...[]EfVf“fof<,P
152: 03d35 fofXfhf%ofo€,P
153: 03d36 fofXfhf%ofo€,Q

154: 03d37 fTfCfhfXfefBfbfN
155: m3snare2 fXflfAfhf%ofo,P
156: 03d39 fnf“fhfNf%ofofbfv
157: 03d40 fXflfAfhf%ofo,Q
158: 03d41 ftf[]fA[]Ef^f€
159: 03d42 fNf[]][fYfh[]EfnfCfnfbfg,P
160: 03d44 fyf_f<[]EfnfCfnfbfg
161: m3ophh2 fl[]fvf“[]EfnfCfnfbfg,P
162: m3asnr fAfif[]fO[]EfXflfA
163: m3d21h3 fNf%ofofbfVf...[]EfVf“fof<,Q
164: m3ahh fNf[]][fYfh[]EfnfCfnfbfg,Q
165: m3ride f%ofoCfh[]EfVf“fof<
166: 03d51 f`ffffCfj[]][fY[]EfVf“fof<
167: 03d53 f%ofoCfh[]Efxf<
168: 03d54 f^f“fofŠf“
169: m3ophh1 fl[]fvf“[]EfnfCfnfbfg,Q
170: 03d56 fJfEfxf<
171: m3vibsp frfuf%ofoXf%ofofbfv
172: 03d60 f{f“fS
173: 03d62 f~f...[]fg[]EfRf“fK
174: 03d64 fRf“fK
175: 03d65 fefBf“fof<
176: 03d68 fAfSfS
177: 03d69 fJfofT
178: 03d70 f}f%ofoJfX
179: 03d71 fzfcfbfxf<[]i'Z,foj
180: 03d72 fzfcfbfxf<[]i',foj
181: 03d73 fOfCf[]][i'Z,foj
182: 03d74 fOfCf[]][i',foj
183: 03d75 fNf%ofoxfX
184: 03d76 fEfbfhfufofbfN,Q
185: 03d78 f~f...[]fg[]EfNfCfK
186: 03d79 fNfCfK
187: 03d80 f~f...[]fg[]Efghf%ofoCfAf“fOf<
188: 03d81 fl[]fvf“[]Efghf%ofoCfAf“fOf<

‘€ñà-¾

ftf@fCf<frf...|[f]...,³,ê,Ä,¢,éó'Ô,ÅA%oo%o'tftf@fCf<,ð'l'd,µ,Ä,-
¾,³,¢B,,»,*íæäA'l'd*,é€-Ú,ðf_fuf<fNfŠfbfN,·,é,©A, ,é,¢,íA%oo%o'tf{f^f",ð
%oÝ,·,±,Æ,Å%oo%o't,³,ê,Ü,·B

FPD97,í'È%oº,ÉŽ|,ftf@fCf<Œ`Ž®,É'î%ož,µ,Ä,¢,Ü,·B

*.FPD FFPD97—p,í%o%o'tftf@fCf<
*.MID FMIDI%o%o'tftf@fCf<('[],P)
*.RCP FRCP%o%o'tftf@fCf<('[],P)
*.MML FFPD97—pMMLftf@fCf<('[],P)
*.WAV FWindows•W[]€,ífEfF[]fuftf@fCf<
'[],P[]F*.MID,Æ*.RCP,Æ*.MML,íA*.FPD,É•ïS·Œä,É%o%o't,³,ê,Ü,·B

fjjf...|[‘€ñ

ftf@fCf<

ŠJ, Fftf@fCf<frf...|[f]...,ð•\Ž|,µ,Ü,·B
•Ä,¶,é Fftf@fCf<frf...|[f]...,ð•Ä,¶,Ü,·B
[]—¹ FFPD97,ð[]—¹,³,¹,Ü,·B

[@•ïS·

[@@ftf@fCf<Œ`Ž®,ð•ïS·,·,é,Æ,«,ÉŽg,¢,Ü,·B

[@@MML->FPD

[@@MID->FPD

FPD->WAV

RCP->MID

RCP->FPD

[@@Ý'è

[@@ŠeŽíÝ'è,ð[]s,¤,±,Æ,³,Å,«,Ü,·B

[@@%o%o't[]ó'Ô

[@@%o¹Fftf@fCf<,ífffBfŒfNfgfŠ

[@@MIDIftf@fCf<,©,ç,ì•ïS·

[@@WAVftf@fCf<,Ö,ì•ïS·

[@fwf<fv

[@@-ÚŽÝ

MML[]%o[]SŽÒŒü,¬f}fjj...fAf<

[@@V'...[]í•ñ

fVfFfAfEfFfA“o~^

fo[]fWff“[]í•ñ

fc|[f<{f^f“,}’€]i

%o%o‘tf{f^f“

‘l’ð,³,ê,Ä,¢,éftf@fCf<,ð%o%o‘t,µ,Ü,·B

’tž~f{f^f“

%o%o‘t,ð’tž~,µ,Ü,·B

¶Y’èf{f^f“

¶@¶@%o%o‘t¶ó’Ô,ì¶Y’è,ð,µ,Ü,·B

¶@Œ®”Öf{f^f“

¶@¶@Œ®”Ö,ð•\Z|,µ,Ü,·B

¶@fhfLf...fLf“fgf{f^f“

¶@¶@%o%o‘t,µ,Ä,¢,éff¶[f^,ÉŠÖ,·,é¶í•ñ,ð•\Z|,µ,Ü,·B%o
%o‘t’t,ìff¶[f^,Æ“,¶ftf@fCf<-¼,Å¶AŠg’£žq,¤*.DOC,Ü,½,í*.TXT,Æ,È,Á,Ä,¢
,éftf@fCf<,ð•\Z|,µ,Ü,·B

f|fvfVf#f“f{f^f“,}’€]i

PLAYMODE

¶@ NORMAL ¶F’l’ð,µ,½1<È,¾,-,ð%o%o‘t,µ,Ü,·B

REPEAT ¶F,P,Â,ì<È,ðŒJ•Ô,µ%o%o‘t,µ,Ü,·B

NEXT ¶FŽY,ì<È,ð^ø,«‘±,¢,Ä%o%o‘t,µ,Ü,·B

RANDOM ¶Ff‰of“f_f€,É<È,ð’l’ð,µ,Ä%o%o‘t,µ,Ü,·B

FILETYPE

*.FPD ¶FFPD97—p,ì‰‰‘tftf@fCf<

*.MID ¶FMIDI‰‰‘tftf@fCf<

*.RCP ¶FRCP‰‰‘tftf@fCf<

*.MML ¶FFPD97—pMMLftf@fCf<

*.WAV ¶FWindows•W¶€,ìfEfF¶[fuftf@fCf<

MML->FPD

FPD97—p%o¹Šyf\lfXftf@fCf<(*.MML),ðFPD97—p%o%o‘tftf@fCf<(*.FPD)
,É•íŠ·,μ,Ü,·B
[]@FPD97,í%o%o‘tžž,É,í[]CFPD97—p%o%o‘tftf@fCf<(*.FPD),ðžg—p,μ,Ü,·B

MID->FPD

□@MIDI‰‰‰'tftf@fCf<(*.MID),ðFPD97—p‰‰‰'tftf@fCf<(*.FPD),É•ÏŠ·,μ,Ü,·□B
□@FPD97,í‰‰‰'tžž,É,í□CFPD97—p‰‰‰'tftf@fCf<(*.FPD),ðžg—p,μ,Ü,·□B

FPD->WAV

Файл FPD97—помимо 'тест@формат (*.FPD), для Windows • Windows•WAVE, IfFormat@формат (*.WAV)
и • ISO, μ, Ü, · BCDØ%о¹, ISO→A%о¹SyCD, ØISO-, μ, ½, фê†, E, Ç, E, ²—~—p
оо³, фB

‰‰'t̄ó'Ô,í̄Ý'è

□@FPD97—p‰‰'t̄tf@fCf<,ð‰‰'t,·,é,Æ,«,ífpf‰f[]f^,í̄Ý'è,ðs,¢,Ü,·,B

Ä¶¶fCE¶[fg

□@'I,²'å,«,¢,Ù,C‰¹,²—Ç,,È,è,Ü,·,²“®ì,íd,-
,È,è,Ü,·,BŒÀŠE^Èä,íÄ¶¶fCE¶[fg,ðÝ'è,µ,½é‡,íA^—,²ŠO,É‡,í,È,¢,½,ß,É
‰¹”ò,Ñ,²<N,±,è,Ü,·,B‰¹”ò,Ñ,²,·,éé‡,É,íAÄ¶¶fCE¶[fg,ð‰º,°,Ä‰‰'t,µ,Ä,-
,³/₄,³,¢,B

fpf“¶§CEä

□@o—í,ðf,fmf‰f<,©fXfefCEfl,ì,C,ç,Ås,x,©,ì'l'ð,²,Å,«,Ü,·,Bfpf\frf“-{‘l“à’ ,jf
Xfs[],©,ç‰¹,ðo,·,Æ,«,íf,fmf‰f<AŠO•"fXfs[],©,ç
‰¹,ðo,·,Æ,«,ífXfefCEfl,ÉÝ'è,·,é,Æ,æ,¢,Å,µ,å,x,B,Ü,½Afpf\\
frf“,É•t‘®,iphone'[žq,©,cfXfefCEfl—
pfCf,,fzf“,Å,“®,«,É,È,é,Æ,«,É,àAfXfefCEfl,ÉÝ'è,µ,Ä‰º,³,¢,B

fGftfFfNfg^—

□@u,È,µvufŠfo[fu,ì,YvufŠfo[fuEfR[f‰fXv,ì,Rží—p,ì't,©,ç'l'ð,µ,Ä
‰º,³,¢,BfR[f‰fX,ì,Ý,ìÝ'è,í,s,|,Ü,¹,ñ,B,±,é,ç,íAFPDftf@fCf<(*.FPD)
,ì't,Åžg,í,ê,Ä,¢,È,¬,é,íCEø‰È,í, ,è,Ü,¹,ñ,B,Å,Ü,è,A‰
‰'t̄tf@fCf<(*.FPD)“à,Åžg,í,ê,Ä,¢,éé‡,ÉA,±,±,ìÝ'è,Å<-‰Å,²,³,é,Ä,¢
,È,¬,é,íAfGftfFfNfg,íCEø‰È,ð-³ž,µ,Ü,·,BfpfFfNfg,í,©,È,è^—
,É,b,o,tfpf[],ð-v,µ,Ü,·,ì,A‰¹”ò,Ñ,µ,å,·,¢é‡,É,íA,±,±,ìÝ'è,ð•iX,µ,Ä
‰º,³,¢,B^” È,ÉfR[f‰fXfGftfFfNfg,í,©,È,è,íCPUfpf[],ð•K—v,Æ,µ,Ü,·,B

ftfF¶[fhfAfEfg

□@f¶[fv]—¹žž,É,“,,”,éftfF¶[fhfAfEfg,ì’¬“x,ðCE^,ß,Ü,·,B,±,é,íA‰‰'t¶I—
¹ŠO<ß,Å‰¹,²,³/₄,ñ,³/₄,ñ,Æ¶¬,³,,È,èžn,ß,Ä,©,ç‰‰'t,²¶I—
¹,·,é,Ü,Å,ìžšO,ì,³,É'S“-,µ,Ü,·,Bf¶[fv,ìCEJ•Ô,µ,ì, ,é‰‰'t̄tf@fCf<,ìé‡,É“K—
p,µ,Ü,·,Bf¶[fv,ìCEJ•Ô,µ,ì,È,¢

f¶[fv,ìCEJ•Ô,µ

□@f¶[fv,ìCEJ•Ô,µ‰ñ,“ðÝ'è,µ,Ü,·,B^é•”,ì‰‰'t̄tf@fCf<,É,íA•W,€,ìÝ'è,Å,í‰‰'t,²¶I—¹,µ,È,¢,Åf¶[fv,ðCEJ,è•Ô,·,à,ì,², ,è,Ü,·,B•Ô'È,í2,ÉÝ'è,µ,Ü,·,²¶A<è,ðžÝX,Æ•Í,|,Ä’®,«,½,¢é‡,È,Ç,í1,ÉÝ'è,µ,Ä,“,Æ,¢,¢,Å,µ,å,¤,B,È,“A•W,€,MIDIftf@fCf<(*.MID),ì<è,Å,íf¶[fv,Æ,¢,¤,ŠT”O,², ,è,Ü,¹,ñ,ì,ÅA,±,±,Å,ìÝ'è,íÓ-ì,ðž,ç,Ü,¹,ñ,B

%o¹F" gŒ` ffŒ[f^ , lffffBfŒfNfgfŠ

%o¹F" gŒ` ffŒ[f^ , lffffBfŒfNfgfŠ @
@ŠyŠí%o¹F" gŒ` ffŒ[f^ (*.FPV), ï, ,éffffBfŒfNfgfŠ, ðÙÝ'è, µ, Ä,,¾,³,¢ÙB
@, Q, Ä, Ü, ÅÙÝ'è, Å, «, Ü, ·ÙB, Ü, ½ÙAfÙfCf<fhfJÙ[fh, à—~—p, Å, «, Ü, ·ÙB

—åÙFC:C:\FPD97\PCM97

MIDIftf@fCf<, © ,ç,ì•ïš·

□@

□@•W□€MIDIftf@fCf<(Šg'£ŽqMID),©,çFPD97—p‰‰‰‰'tftf@fCf<(*.FPD)
„•ïš·,·,é,Æ,«,ìfpf‰‰f□□[f^,ì□Ý'è,ð□s,¢,Ü,·□B

fŠfo□[fu

□@fŠfo□[fu□EfGftfFfNfg,ì<,³,ð□Ý'è,µ,Ü,·□BfŠfo□[fu□EfGftfFfNfg,í
‰‰¹,ì<_,«,ÉŠÖŒW,µ,Ü,·□B0,©,ç255,ì"í^í,Å□Ý'è,µ,Ä‰‰º,³,¢□B□
‰‰Šú□Ý'è'I,í64,Å,·□B

fR□[f‰‰fx

□@fR□[f‰‰fx□EfGftfFfNfg,ì—Ê,ð□Ý'è,µ,Ü,·□BfR□[f‰‰fx□EfGftfFfNfg,í
‰‰¹,ìŒú,Ý,ÉŠÖŒW,µ,Ü,·□B0,©,ç255,ì"í^í,Å□Ý'è,µ,Ä‰‰º,³,¢□B□
‰‰Šú□Ý'è'I,í96,Å,·□B

fR□[f‰‰fx

fR□[f‰‰fx□EfGftfFfNfg,ì<,³,ð□Ý'è,µ,Ü,·□B□‰‰Šú□Ý'è'I,í2,Å,·□B

'S‰‰¹—Ê

□@'S'ì,ì‰‰¹—Ê,ð'Š'î"l,É•ï□X,·,é,±,Æ,²,Å,«,Ü,·□B-15,©,ç15,ì"í^í,Å□Ý'è,µ,Ä
‰‰º,³,¢□B'å,«,,·,é,î□A'S'ì,ì‰‰¹—Ê,²,ä,²,è,Ü,·□B□‰‰Šú□Ý'è'I,í0,Å,·□B

fhf‰‰f€‰‰¹—Ê

□@fhf‰‰f€fp□[fg,ì‰‰¹—Ê,³/₄,⁻,ð'Š'î"l,É•ï□X,·,é,±,Æ,²,Å,«,Ü,·□B-
15,©,ç15,ì"í^í,Å□Ý'è,µ,Ä‰‰º,³,¢□B'å,«,,·,é,î□Afhf‰‰f€fp□[fg,ì‰‰¹—
Ê,²,ä,²,è,Ü,·□B□‰‰Šú□Ý'è'I,í0,Å,·□B

WAVftf@fCf<,Ö,ì•ïš·žž,ìØÝ'è

¶@FPDftf@fCf<,©,çWAVftf@fCf<,Ö,ì•ïš·,ì,Æ,«,Éžg,í,ê,éfpf‰of[]^,ìØÝ'è,ðs,¢,Ü,·BfSfAf<f^fCf€,Å,ì‰‰‰t,¤,Å,«,È,¢<@ZÍ,ð,“žg,¢,ìØê†,É,íØA^ê“x,±,±,Å•ïš·,μ,Ä,“,¢,Ä,©,çWAVØÄØ¶,ð,·,é,±,Æ,ÅØA,«,ż,ñ,Æ<È,ðØÄØ¶,·,é,±,Æ,¤‰oÅ”,Å,·ØB

Ä¶¶fŒ¶[fg

¶@WAVftf@fCf<,íØÄØ¶fŒ¶[fg,É”ä—á,μ,ÄfTfCfY,¤’å,«,,È,è,Ü,·ØB

¶@11.03KHz,¾,Æ,å,í,è‰‰¹ž,¤’«,,È,è,Ü,·,ì,ÅØA22.05KHz,¤ftf@fCf<fTfCfY,ì–È,©,çØl,!,Ä,à^ê”Ô,”‘E,ß,Å,«,é’l,Å,·ØB

fpf“¶sæä

¶@øo—í,ðf,fmf‰of<,©fXfefŒfl,ì,C,ż,ç,ÅØs,¤,©,ì’l’ð,¤,Å,«,Ü,·Bfpf\frf“-{‘ì”à’ ,if Xfs[][],©,ç‰‰¹,ðØo,·,Æ,«,íf,fmf‰of<ØAŠO•”fXfs[][],©,ç‰‰¹,ðØo,·,Æ,«,ífXfefŒfl,ÉØÝ'è,·,é,Æ,æ,¢,Å,μ,å,¤ØB,Ü,½ØAfpf\frf“,É•t’®,ìPHONE’[žq,©,çfXfefŒfl—pfcf,,fzf”,Å,“’®,«,É,È,é,Æ,«,É,àØAfXfefŒfl,ÉØÝ'è,μ,Ä,‰‰³,¢ØB,È,“ØAfXfefŒfl,íf,fmf‰of<,ì,Q”{,ìftf@fCf<fTfCfY,Æ,È,è,Ü,·ØB

fTf“fvfŠf“fOfrfbfg¶”

8frfbfg,Æ16frfbfg,ì’l’ð,¤‰oÅ”\,Å,·ØB16frfbfg,Å,í8frfbfg,ì2”{,ìftf@fCf<fTfCfY,É,È,è,Ü,·ØBFPD97,Å,í8frfbfg,Å,àf{fŠf...Ø[f€’²Ø®,ðØs,¢,Ü,·,ì,ÅØA,»»,é,È,è,É—ç,¢‰‰¹ž,¤’³/₄,ç,ê,Ü,·ØB,»»,ì,½,ß8frfbfg,ÉØÝ'è,μ,Ä,“,“,ìØ\•¤,Å,μ,å,¤ØB

fGftfFfNfg¶—

¶@øu,È,μØvØufŠfo[]fu,ì,ÝØvØufŠfo[]fuØEfR[]f‰ofXØv,ì,RŽí—þ,ì’t,©,ç’l’ð,μ,Ä‰‰³,¢ØBfR[]f‰ofX,ì,Ý,ìØÝ'è,íØs,!,Ü,¹,ñØB,±,é,ç,íØA‰‰‰’tftf@fCf<(*.FPD),ì’t,ÅØA-³/₄ž|“I,É”,©,é,Ä,¢,È,“,é,íŒø‰‰È,í, ,é,Ü,¹,ñØB<t,ÉØA‰‰‰’tftf@fCf<(*.FPD)“à,ÅØ”,©,é,Ä,¢,ÀØA,±,±,ìØÝ'è,Å<-‰‰Å,¤,³,é,Ä,¢,È,“,é,ìØAfGftfFfNfg,ìŒø‰‰È,ð-³ž,μ,Ü,·ØBWAVftf@fCf<,ÉØo—í,·,éØU,É,íØAfŠfAf<f^fCf€[]«,¤—v<,³,é,Ü,¹,ñ,ì,ÅØAØufŠfo[]fuØEfR[]f‰ofXØv,ÉØÝ'è,μ,Ä,“,“,ì,¢,¢,Å,μ,å,¤ØB

ftfF¶[fhfAfEfg

¶@f<[fv]—¹ž,É,“,“,éftfF¶[fhfAfEfg,ì’—“x,ðŒ^,ß,Ü,·ØB,±,é,íØA‰‰‰’tØl—¹šØ<ß,Å‰‰¹,¤,³/₄,ñ,³/₄,ñ,ÆØ¬,³,,È,èŽn,ß,Ä,©,ç‰‰‰’t,¤Øl—¹,·,é,Ü,Å,ìŽšØ,ì’—,³,É’š”—,μ,Ü,·ØBf<Ø[fv,ì, ,é‰‰‰’tftf@fCf<,Åf<Ø[fv,ìŒJ•Ô,μ‰‰ñØ”,ðØÝ'è,μ,Ä,¢,éØê†,ÉŒø,¢,Ä,«,Ü,·ØBf<Ø[fv,¤ØÝ'è,³,é,Ä,¢,È,¢<È,Å,í^Ó—;ðŽØ,ż,Ü,¹,ñØB

f<Ø[fv,ìŒJ•Ô,μ

f<|[fv,]ŒJ•Ô,µ‰oñ”,ðÝ’è,µ,Ü,·B^ê•”,í‰‰‘tftf@fCf<,É,íC•W€,íÝ’è,Å,í‰‰‘t,²I—¹,µ,È,¢,Åf<|[fv,ðŒJ,è•Ô,·,à,ì,², ,è,Ü,·B,±,±,Å,íA,±,ìf<|[’Ç,¤,íŒJ•Ô,µ‰oñ”,ðÝ’è,µ,Ü,·B,½,¾AWAVftf@fCf<,Ö,ìo—í,ìê‡A2,ÉÝ’è,µ,Ä,àf<|[fv•”•²,Å,í“-,¶ff|[f^,²2“xŒJ,è•Ô,³,ê,é,¾,-,Å,·B,»,ì,½,ßA,½,¢,Å,¢,í1,Å\•²,Å,µ,å,¤B,È,”C•W€MIDIftf@fCf<(*.MID),âRCPftf@fCf<(*.RCP),©,ç•ïš·,³,ê,½FPDftf@fCf<,ìê‡,É,íA,±,±,Å,ìÝ’è,íÓ-;ðŽ[],¿,Ü,¹,ñB

’^Ó

%o¹ŠyCD,ðì¬,·,éÛ,É,íA44.10KHz]AfXfefŒfl]AfTf“fvfŠf“fOfrbfg]”16,ÉÝ’è,µ,Ä‰o³,¢B

