

Display Bitmap ,lfwf<fv-ÚŽŸ

,.ı,ŋ,β,É
<@”\ŠT—v
Žg—p•û-@

fRf}f“fh
fıffj...ıı
fXf}ıııfgfAfCfRf“
fVfııııfgfıfbfgfLııı

<Zıpıı•ň
fıpfX.ıııY’è
ŠÖ~A•t.~
ıı%Šıı%»ftf@fCf<.ıııEŸııö
ıı%Šıı%»ftf@fCf<.ıııı’ıı
foııııWfıııf“—š—ö



Žg—p•û-@

•\Ž!,É,Â,č,Ä,Í□A

□E“™”{

□EŠg’â

□EŽ©“®

,đ’!đ,Â,«,Ü,·□B

Ž©“®•\Ž!,ì,Ý□AfAfjff□□[fVf#f“’í’âŽ~,μ,Ü,·□B

fAfjff□□[fVf#f“’è<`ftf@fCf< bca ,ì□,è•û,É,Â,č,Ä,Í□A

□EBca.txt □\•¶□à-¾

□ESakInst.bca fAfjff□□[fVf#f“’fTf“fvf<

,đŽQ□,É,μ,Ä%º,³,č□B

□®□AfAfjff□□[fVf#f“—p,ì|ftfZfbfgfrfbfgf}fbfv,đ□□-,·,é,É,Í□A

Condense Bitmap ,ª•K—v,Â,·□B

fAfjff□□[fVf#f“□\$Eäftf@fCf< bac ,ì□,è•û,É,Â,č,Ä,Í□A

□EBac.txt □\•¶□à-¾

□EInstall.bac fAfjff□□[fVf#f“□\$EäfTf“fvf<

,đŽQ□,É,μ,Ä%º,³,č□B

□®□AfAfjff□□[fVf#f“□\$Eä,ì Cnd_File Rst_File fRf}f“fh,đŽg—p,·,é,É,Í□A

CmpFile ,ª•K—v,Â,·□B

,“Žg,č,É,È,é’O,É□A

□E•\Ž!□Ý’è...,ì□Ý’è•Ú’¶

□EŠ|...,ìffBfCfNfgfŠ□Af□fCf<fhfj□[fh□Ý’è•Ú’¶

,đ,μ,Ä%º,³,č□B

~A’±•\Ž!,ìffftfHf<fgŽžŠÔ,ìfvf%ofCfx□[fg□%oŠú%o»ftf@fCf<,đ Editor ,Â□A

[AutoTime] Ž©“®•\Ž!ŽžŠÔ□Ý’è

sec=1 1 - 30 •b

,ì—l,É□C□³,μ,Ä%º,³,č□B

ŠÖ~AŽ-□€

<@“\ŠT—v

fo□[fWf#f“—š—đ



f0fjf...0[

File f0fjf...0[
S...
f}0lfW...
~A'±•\Ž;...
0|—¹

Edit f0fjf...0[
fRfs0[

View f0fjf...0[
fftfHf:fg•\Ž;
fXf}0[fqfAfCfRf"
"™" f
Šg'á
Ž©"®

Options f0fjf...0[
•\Ž;0Y'è...

Help f0fjf...0[
-ŮŽY
fo0[fWf+f"—š—đ
.,½,μ,É,Á,č,Ä...

ŠÖ~AŽ-0€
fXf}0[fqfAfCfRf"
fVf#0[fqfjfbqfL0[

Sak

fXf}[]fgfAfCfRf"

File fAfCfRf"



Šl...



f}[]fW...



l-1

Edit fAfCfRf"



fRfs[]

View fAfCfRf"



ffftfHf<fg•\Ž!



fXf}[]fgfAfCfRf"



"™" {



Šq'â



Ž©"®

Options fAfCfRf"



•\Ž;[]Ý'è...

Help fAfCfRf"



-ÚŽŸ



.,½,µ,É,Â,č,Ä...

ŠÖ~AŽ-[]€

f[]ff...[]

fVf#[]f[]f[]fbf[]fL[]



fVf#[]f9fjfbf9fL[]

File fL[]

Ctrl+O
Alt+F4

Š,...
□—¹

Edit fL[]

Ctrl+Ins

fRfs□[]

View fL[]

Ctrl+D
Ctrl+M
Ctrl+N
Ctrl+Z
Ctrl+A

ffftfHf<fg•\Ž!
fXf}[]f9fAfCfRf“
“™”{
Šg`â
Ž©“®

Options fL[]

Ctrl+V

•\Ž!□Y`è...

Help fL[]

F1

-ÚŽŸ

fXfNf□[]f< fL[]

□©

1 •ŧŽš□A,Ü,½,Í□A1 fhfbfg□ŧ,Ö

□”

1 •ŧŽš□A,Ü,½,Í□A1 fhfbfg%°E,Ö

□ª

1 □s□A□@,Ü,½,Í□A1 fhfbfg□ã,Ö

□<

1 □s□A□@,Ü,½,Í□A1 fhfbfg%°°E,Ö

PageUp

1 fy□[fW□ã,Ö

PageDown

1 fy□[fW%°°E,Ö

Home

□ŧ[.,Ö

End

%°E'[.,Ö

Ctrl+Home

□æ“ªfy□[fW,Ö

Ctrl+End

□Å□fy□[fW,Ö

ŠÖ~AŽ-□€

f[]ff...[]

fXf}[]f9fAfCfRf“

f}[]fW...

frfbfjgf}fbfv,ð[]Ý'è,³,ê,Ä,ç,élfjtfZfbfg^Ê'u,Éf}[]fW,μ,Ü,·[]B
,±,ì,Æ,«flfffvfj#f",Éf}[]fW[]Ä•W,ª•\Ž!,³,ê,Ü,·,ì,Ä

Shift+Left	1 fhfbfg[]¶,Ö
Shift+Right	1 fhfbfg%°E,Ö
Shift+Up	1 fhfbfg[]ã,Ö
Shift+Down	1 fhfbfg%°°,Ö

,Ä[]Ä•W'²[]®,ª,Ä,«,Ü,·[]B

[]®[]Ctrl+Shift ,Ä,í[]A,» ,ê,¼,ê 8 fhfbfg,ì^Ú"®,É,È,è,Ü,·[]B



~A'±•\Ž!...

Šj,... ,đŽ©“®“l,É□s,È,ç,Ü,·□B

~A'±•\Ž!,lŽè□#,í□A

□E~A'±•\Ž!,lfl□[fvf“f_fCfAf□fO,Ā~A'±•\Ž!,·,éftf@fCf<,đfŠfXfgf{fbfNfX,É•\Ž!,³,¹,Ü,·□B

□E~A'±•\Ž!,đŠjŽn,·,éftf@fCf<,đf_fuf<fNfŠfbfN,μ,Ü,·□B

□EŽ©“®•\Ž!,lŽžŠŌ,đ□Y'è,μ,Ü,·□B(ŽŸ,lftf@fCf<,đ,·,®,É•\Ž!,·,é,É,í□AfXf}□[fgfAfCfRf“,lŠj,... ,đ%Ÿ,μ,Ü,·□B)

□E□l—¹,·,é,Æ•□'É,Éf□[fvf“f_fCfAf□fO,^a•\Ž!,³,é,Ü,·□B

,Ā,·□B



fRfs[]

•\Z|,³,ê,Ä,ç,éfrfbfgf}fbfv,ðfNfŠfbvf{[]fh,ÖfRfs[],µ,Ü,·[]B

Sak

“™”{•\Ž!

frfbfgrf}fbfv□A,Ü,½,Í□AfAfjff□□[fVf#f“,đ“™”{•\Ž!,μ,Ü,·□B

Sak

Šg'å•\Ž!

frfbfgf}fbfv□A,Ü,½,Í□AfAfjf□□[fVf#f“,đ 2 ”{,ÉŠg'å•\Ž!,μ,Ü,·□B

Sak

Ž©“®•\Ž!

frfbfgf}fbfv□A,Ü,½,Í□AfAfjff□□[fvf#f“,đĚ»□Ý,ìftfCfy,ÉŽ©“®Šg’â□A□k□¬•\Ž!,μ,Ü,□B
Ž©“®•\Ž!,Ā,Í□A^êŽŽ“l,ÉfAfjff□□[fvf#f“,đ’âŽ~,μ,Ü,□B

Sak

ŠÖ~A•t,~

ŠÖ~A•t,~ ,í□A

bmp=dspbmp.exe ^.bmp

bcs=dspbmp.exe ^.bcs

bca=dspbmp.exe ^.bca

bac=dspbmp.exe ^.bac

,đ□Ý'è,μ,Ä,¨,,Æ•Ö—~ ,Ä,·□B

ŠÖ~AŽ-□€

fpfX,ì□Ý'è

□%Šú%»ftf@fCf<,ìÆÝ□ö

□%Šú%»ftf@fCf<,ì□\ 't



fo [fWfjf] —š—đ

version 8.00

```
□EBorland C++ for Windows 4.02 ,Á 486 flfvfVfjf" ,ÁfRf"fpfCf<,μ,Ü,μ,½□B(486SX ^È□ā,ì CPU ,Á,È,ç ,Æ" @□,Á,«,Ü,¹,ñ□B)
□Eftf<fjf□□[frfbfgf]fbfv'í%ž□B(•Ž! ,É,Á,ç,Ä,í 64K □F^È□ā,ì•Ž! "\—í,ª,È,ç,Æ□³,μ,□s,í,è,Ü,¹,ñ□B)
□Ej□fCf"fEfBf"fhfEfEfCf□[f€,ì•□,đ ini ftf@fCf<,ÁŽw'è,Á,«,é,æ,æ,É,μ,Ü,μ,½□B
□EfffBfxvfCfCf,□[fh,ª 64K □F,ì,Æ,«□AfNfSfbfvf{□[fhfRfs□[<y,Ñ□AMsk_Mag <@"\,ª" @□]•s"\
,É,È,é,ì,đ□C□³,μ,Ü,μ,½□B,Ü,½□A64K □Ff,□[fh,É, ", , , é RGB ,ìCEè□,đ<zŽù, ,é,½,β,É Msk_Mag
fRf}f"fh,É range fpf%□f^ ,đ'Ç%□Á,μ,Ü,μ,½□B(Bca.txt ŽQ□Æ)
□E•ČŽtfAjfj□□[fvfjf"ŽÁ□sŽž,É'¼,ì%□Á•ìfpfCffbfg%□æ'œ,đ•\
Ž!, , , é,Æ□A•ČŽt,ª"βŽS,È□ó<μ,ÉS×,Á,Á,μ,Ü,ç,Ü, ,□B,±,é,ì□A•ČŽtfAjfj□□[fvfjf" ,É,Á,ç
,Á,¾, , □AfpfCffbfgf`fFf"fw□^—□,đ-Y,è,Á,ç,½,½,β,Á, ,□B□³í,É<@"\, , , é,æ,æ,É□C□³,μ,Ü,μ,½□B
□EjRf}f"fhf%□fCf"fpf%□f^ ,É /show- fpf%□f^ ,đ'Ç%□Á,μ,Ü,μ,½□B,±,é,È,æ,è□ADspBmp ,ì"ñ•\
Ž!<N" @ ,É,Ç,ªŽw'è,Á,«,Ü, ,□B(Bac.txt
ŽQ□Æ)•ČŽtfAjfj□□[fvfjf" ,áfobf`ft□[fefBfSfefB,Æ,μ,ÁŽg,æê□ž,É•Ö— ,Á, ,□BŽb`è"Á 7.91
,Á,ì□Avf□f□f%□f}flfwff,É,Ç,ì□Y'è,ª-³Ž<, ,é,Á,ç,Ü,μ,½,ª□A/show- ,ªŽw'è, ,é,Á,ç,É,ç,Æ,«,ì"½
%□f, ,é,é,æ,æ,É,μ,Ü,μ,½
□EBac fl□[fvf"CEā□Afhf□fbfv<ÖŽ~ ,ìžd—ì,Á,μ,½,ª□Afhf□fbfv%□Á"\,ì,Ü,Ü,È,È,Á,Ä,ç,Ü,μ,½□Bžd—
l'É,è,É□C□³,μ,Ü,μ,½□B
□E•ČŽtfAjfj□□[fvfjf"Žž,Éf^fxfnf}flfwff, © ,çNf□□[fY, , , é,Æ Windows fvfxfef€
,ª•s^Á'è,É,È,Á,Á,Ü,μ,½□BfAfCfRf"fl□[fvf"□fbfz□[fw,đ'P□f,É-³Ž<, ,é,±,Æ,É,æ,Á,Ä-â'è,ª"□fl,μ,È,ç
,æ,æ,É,μ,Ü,μ,½□B
```

version 7.90

```
□E•ČŽtfAjfj□□[fvfjf"<@"\,đŽÁCE», , , é bwa ftf@fCf<,đ'Ç
%□Á,μ,Ü,μ,½□B•ČŽtfAjfj□□[fvfjf" ,Á,áf^fCf}fAfj□□[fvfjf" ,ÆfNfSfbfNfAjfj□□[fvfjf" ,đŽg—p, , , é,±
,Æ,ª,Á,«,Ü, ,□B
bwa ftf@fCf<,đfì□[fvf" , , , é,Æ DspBmp ,ìfAfCfRf"%□»,ª,èfì□[fvf"•s
%□Á,É,È,è,Ü, ,□B,Ü,½□Aftf@fCf<,ìfhf□fbfv,à<ÖŽ~ ,ª,è,Ü, ,□B
□@□A•ì" ,ì bwa ftf@fCf<,đ<N" @ , , , é,±,Æ,ì%□Á"\,Á, , ,ª□A□ÁCEā,É<N" @ ,μ,½,à,ì, © ,çNf□□[fY,μ,È,ç ,Æ
Windows fvfxfef€,ªNf%□fbfvf...,μ,Ü, , , ,ì,Á"□Ó,μ,Á%□ª,ª,ç□B
□EjAfj□□[fvfjf"è<` Bca ,É□d•iftf@fCf<,ìfjCf" f^□^—□,đ ver 7.80 ,Á'Ç%□Á,μ,Ü,μ,½,ª□A" , , fl bcs
ftf@fCf<,đŽg—p,μ,Á,ç,é bca ftf@fCf<,đ'±, , ,áfì□[fvf" , , , é,Æ□Afj" f^□^—□,ÉCEš×,ª , , Á,Á□³,μ, -
fAjfj□□[fvfjf" , , , é,È, © ,Á,½f□fO,đ□C□³,μ,Ü,μ,½□B
□EBca ,ì Tim_Set □È—ªŽž,ì□Y'è,đ min 0 max 1 ,É□A,Ü,½□AŽ©" @'²□@,ì'l,đ min 1 max 4
,É•ì□X,μ,Ü,μ,½□B
```

version 7.80

```
□EjAfCfRf" ,đ, , , μ,á,è,È,à,ì,É•ì□X,μ,Ü,μ,½□B
□E,ç,Á, © ,ç, © ,ì, © ,è,Ü,¹,ñ,ª□ABca ,ì Tim_Set ,ª"ª" "I,É 6 CEÁ'è,È,È,Á,Ä,ç,½f□fO,đ□C□³,μ,Ü,μ,½□B
□EBca ,ì Nol_Off ,ì DBL_LP_LOOP ,ì'g,Ý□ž,ì,ªŽž,ìf□fO,đ□C□³,μ,Ü,μ,½□B
□EBca ,ì Tim_Set ,É MOUSE NO_AUTO min max fl□[f□□[fh,đ'Ç%□Á,μ,Ü,μ,½□B
MOUSE fl□[f□□[fh,đŽg—p, , , é,Æ Windows ,ì, , , x,Á,ìf}fEfXfNfSfbfN,É"½
%□ž,μ,ÁfAjfj□□[fvfjf" ,μ,Ü, ,□B(□Ú□x,ì Bca.txt ,đŽQ□Æ)
□EBca ,ì Nol_Off Nol_Of2 Nol_Mov ,Á□A"~êftf@fCf<,ªŽw'è,ª,è,Á,ç,é,Æ,«□A□Á%□,ÉCE»,è,½f]
fCf" f^ ,Á□^—□, , , é,æ,æ,æ,É,μ,Ü,μ,½□B
,±,è,É,æ,Á,Á□A-³'É,Éftf@fCf<fS□[fh,Æf□f, fS□Á"i,đ,μ,È,ç ,æ,æ,μ,Á,ç,Ü, ,□B
□@□A, , , Ü, , ,ìCEø%□É,Æ,μ,Á□A'Á'è,ìfrfbfgf}fbfv,ìžžSÖ,đ□L,ì,μ,½,ç ,Æ,«,É,ì□A'±
, , , ÁŽw'è, , , é,È,Ç,ìfEfNjfbfN,ªŽg—p,Á,«,Ü, ,□B
□EBac ,ì Mag_Bmp Msk_Bmp ,ìfAjfj□□[fvfjf" ,đ'âŽ~,μ,È,ç ,æ,æ,É□C□³,μ,Ü,μ,½□B
□EBac ,ì Do...Loop Call...Return ,đ 40 fCfxf<,Ü,Á%□Á"\,É□C□³,μ,Ü,μ,½□B
□EBac ,ì If_???? then...End_If ,đfXfgŽg—p%□Á"\,É□C□³,μ,Ü,μ,½□B
□EBac ,É If_???? End ,ì□•fl,đ'Ç%□Á,μ,Ü,μ,½□B
□EBac ,ì Exit_Do If_???? Exit_Do ,ì" @□]•s—Ç,đ□C□³,μ,Ü,μ,½□B
□EBac ,É Back_Do If_???? Back_Do □\•fl,đ'Ç%□Á,μ,Ü,μ,½□B
□EBac ,É Skip...End_Skip □\•fl,đ'Ç%□Á,μ,Ü,μ,½□B
□EBac ,É Set_Ini If_Ini Call_Ini fRf}f"fh,đ'Ç%□Á,μ,Ü,μ,½□B
□EBac ,É f%□xf<€□ifRf}f"fh,đ'Ç%□Á,μ,Ü,μ,½□B
```

□EBac ,Éf}fEfXfNfŠfbfN,Ā•āŠò,·,é,½,β,ì Wait_Mouse If_Mouse Call_Mouse fRf}f“fh,đ’Ç
%oÁ,μ,Û,μ,½□B(“™”{,ì,Ý”@□i)
Wait_Mouse ,Āf}fEfXfj□[fXf<,āZè,ìĈ` ,É•ī,í,Ā,Ā□AfNfŠfbfN,đ’Ò,ì,Û,·□B
If_Mouse ,Ā,ì□Afpf%oof□f^ ,ĀZw’è,³,é,½”íí,ĀfNfŠfbfN,³,é,½,©,đ’²,x,ç,ê,Û,·□B
,±,è,Ā□A’Ā’è%oO□Š,āf}fEfX,ĀfNfŠfbfN,³,é,½,Æ,É Dsp_Bmp ,Ā□A,Û,ì,½,«,³/₄,~,ì Pca
ftf@fCf<,đĈĀ,Ñ□o,μ,½,è□AMag_Bmp ,Ā•”•āf}□[fW,μ,½,è,Ā,«,Û,·□B(□Ú□x,ì Bac.txt ,đŽQ□Æ)
□E□V,½,É Pca ’è<`ftf@fCf<,đ’Ç%oĀ□APca ,ì Bac ,ì Dsp_Bmp ,ĀZw’è,Ā,«,Û,·□B
Pca ,ì□A’P’ì,ìfAfj□□[fVfj“ ,đ’è<` ,μ,½,à,ì,Ā,·□B
(Pca ,ì□\•□,ì□ABca ftf@fCf<,Æ“`è,Ā,·,ā□ANol_Set fRf}f“fh,đ□É—ā,μ,Ā’è<` ,Ā,«,Û,·□B)
□EBac ,ì Flag ŠÖĈWfRf}f“fh,ìŽd—l,đ•ī□X,μ,Û,μ,½□B<Ĉfo□[fWfj“ ,ì flag
ŠÖĈWfRf}f“fh,ì□³□í,É”@□i,μ,Û,¹,ñ□B(□Ú□x,ì Bac.txt ,đŽQ□Æ)
□EfAfj□□[fVfj“`è<` (Bca) ,ì□Ā’āfRfbfj}fbfv-#□”,đ 100 -# ,É,μ,Û,μ,½□B
□EfAfj□□[fVfj“`è<` (Bca) ,ì dbl fL□[f□□[fhŽg—pŽž,ìfofo,đ□C□³,μ,Û,μ,½□B
□ESAK fJfXf^f€fRf“fgf□□[f<,ìfofo,đ□C□³,μ,Û,μ,½□B
□EfRfbfj}fbfvfXfNf□□[f%o,ìfofo,đ□C□³,μ,Û,μ,½□B

version 7.70

□EfRfbfj}fbfv•Žì(bmp bcs),đ□,‘¬%o»,μ,Û,μ,½□B’ā—
É,ìfAfj□□[fVfj“fRfbfj}fbfv,ā , ,é□é□#,É,ìĈĈ“l,É’¬“x%oü’P,ā“³/₄,ç,ê,Û,·□B
,±,è,ì□Af□f,š,ì□@—□,đ’tŽ~,μ,½,½,β,Ā,·,ā□A<t,Éf□f,š□ā,ì-ā’è,ā”□□,·,é,©,à’m,è,Û,¹,ñ□B,»,ì—
l,É□é□#,ì DspBmp.ini ,É
[GlobalMemory]
compact=yes
,đ’Ç%oĀ,μ,Ā%o²,³,ç□B
,±,ì<L□q,đ’è<` ,·,é,Æ DspBmp ,ì<N”@Žž,ì,Ý,Éf□f,š,ì^³□k,ā□s,í,è,Û,·□B
□Ebca fRf}f“fh,É Shw_Now ,đ’Ç%oĀ,μ,Û,μ,½□B(Bca.txt ŽQ□Æ)
□Ebca fRf}f“fh,É Win_Show Win_Call ,đ’Ç%oĀ,μ,Û,μ,½□B,±,è,ĀWindows ,ìfofbf`□^—□,đ□s,±,±
,Æ,ā,Ā,«,Û,·□B
,Û,½□AMag_Bmp Msk_Bmp fRf}f“fh,à’Ç%oĀ,μ,Û,μ,½□B(Bac.txt ŽQ□Æ)

version 7.60

□Ebca fRf}f“fh,ì Nol_Off ,É Dbl fL□[f□□[fh,đ’Ç%oĀ,μ,Û,μ,½□B(Bca.txt ŽQ□Æ)

version 7.50

□Ebca fRf}f“fh,ì Nol_Off ,É Min Max fL□[f□□[fh,đ’Ç%oĀ,μ,Û,μ,½□B
□Ebca fRf}f“fh,É Nol_Of2 ,đ’Ç%oĀ,μ,Û,μ,½□B

version 7.40

□Ef}□[fWf□[fVf“ ,ì,Æ,«,ìf}□[fW□Ā•W,đ Condense Bitmap
,ì’S’ì□Ā•W,ÉZ©“@□Y’è,μ,Û,·□B’A,μ□A’A’±^Ú”@ ,³,¹,é,Æf□fbfZ□[fW,ìŽæ,è,±,Û,μ,ā”-
□□,μ,Û,·,ì,Ā□A□ĀĈĈ,É Shift fL□[,đ^è“x%oÿ,μ,Ā%o²,³,ç□B

version 7.30

□Ef}□[fWf□[fVf“ ,ì,Æ,«,Éf}□[fW□Ā•W,ì²□@ ,ā,Ā,«,é,æ,±,É,È,è,Û,μ,½□B(□Ú□x,ìf}□[fW...,đŽQ□Æ,μ,Ā
%o²,³,ç□B)

version 7.20

□E~A’±•Žì,ìŽžŠŌ,đ□Y’è,Ā,«,é,æ,±,É,μ,Û,μ,½□B
□E~A’±•Žì,ìffftfHf<fgŽžŠŌ,ìfvf%ofCf×□[fg%oŠú%o»ftf@fCf<,Ā•ī□X,Ā,«,Û,·□B

version 7.10

□Ebca ’è<` ,É“Ā’è,ìfj%o□[,đ”²,ç,Āf}□[fW,·,é Msk_Mag <@“\,đ’Ç%oĀ,μ,Û,μ,½□B’A,μ□A,±,ì<@“\,đŽg,±
,É,ì□A256 □F^É□ā,ìfffbfXfjvCfC“\—í,ā•K—v,Ā,·□B,»,é^ÉŠO,Ā,ì-³Ž<,³,è,Û,·□B

version 7.00

f□fCf“,ìŠj”ŠĀ<<,đ Windows 3.1 <y,Ñ□ABorland C++ for Windows 3.1 ,É^Ú□s,μ,Û,μ,½□B
,±,è,É,æ,Ā,Ā□AfR□[fhfTfCfY,ā□,μ□¬,³,□AŽĀ□sfXfs□[fh,ā□,μ’¬,·,È,Ā,Ā,ç,Û,·□B
□Eftf@fCf<,ìfhf%ofbfO and fhf□fbfv,đfTf□[fg,μ,Û,μ,½□B

version 6.70

□EWindows 3.1 'í%ž,É,μ,Ü,μ,½□B

version 6.60

□Efnfšbfvf{□[fh,Ö,]fRfs□[<@"\,đ'Ç%Á,μ,Ü,μ,½□B
□Efafjff□[fVfjf" bca <@\,ÉfRf}f"fh,đ'Ç%Á,μ,Ü,μ,½□B□Ú,μ,,Í Bca.txt ,đCE©,Ä%º,³,¢□B

version 6.50

□Efafjff□[fVfjf"□\$CEä bac <@\,đ'Ç%º,μ,Ü,μ,½□B□Ú,μ,,Í Bac.txt ,đCE©,Ä%º,³,¢□B

version 6.40

□Efafjff□[fVfjf"□\$CEä bac <@\,ÉfRf}f"fh,đ'Ç%Á,μ,Ü,μ,½□B□Ú,μ,,Í Bac.txt ,đCE©,Ä%º,³,¢□B

version 6.30

□Efafjff□[fVfjf"□\$CEä bac <@\,đ'Ç%Á,μ,Ü,μ,½□B
□Efafjff□[fVfjf" bca <@\,ífofO,đ□C³,μ,Ü,μ,½□B

version 6.20

□E~A'±•\ž!<@\,đ'Ç%ºÁ,μ,Ü,μ,½□B

version 6.10

□EPascal ,©,ç C ,É^Ú□s,μ,½,Æ,«,ÉfpjCEfbfg•íXžž,ì□—□,đf~fX,Á,Ä,¢,Ü,μ,½,ì,Á□C³,μ,Ü,μ,½□B

version 6.00

Turbo C++ for Windows□ATurbo Pascal for Windows□AMASM ,ÁŠJ" ,³,è,Ä,¢,Ü,·□B
Borland BWCC •—,íjfxf^f€fRf"fgf□□[f<,đžg—p,μ,Á,¢,Ü,·,ª□A
SAK "Æž©,ì,à,ì,Á,·,ì,Á BWCC.DLL ,í•s—p,Á,·□B
exe ftf@fC<,]fTfCfY,í□A<CEfo□[fWfjf" ,É"ä,x,Á,©,È,è'á,«,,È,Á,Ä,¢,Ü,·,ª□A□f,fš,ìžg—pftfCfY,í<t,É□-
μ□-³,,È,Á,Ä,¢,Ü,·□B
,±,ì,Ö,ñ,í□A,â,í,èCE¾CEè,]fnfZ,É,æ,é,à,ì,Á,μ,â,π□B
Šú'Ò,μ,½fXfs□[fh,ìCEü□ä,í□A,Ü,Æ,ñ,ÇŠ',¶,ç,è,Ü,¹,ñ,Á,μ,½□B
□EfffobfO—p,ì Lips fCf" f^ftfF□[fX,đ Pascal ,ÁŠJ" ,μ,Ü,μ,½□B
□EjXf^fufvf□[fOf%œ,đ MASM ,ÁŠJ" ,μ,Ü,μ,½□B
□EPascal ,ÁŠJ"□í,Ý,ì•W□€ftfH□[f€,Æftfjfbfg,đ C ,É^Ú□s,μ,Ü,μ,½□B
□E□×•" ,É,í,½,Á,Ä,f,fWf...□[f<y,Ñ□AŠÖ□",đf f...□[fjf" fO,μ,Ü,μ,½□B
□ESAK fjXf^f€fRf"fgf□□[f<,đšJ" ,μ,Ü,μ,½□B
□E□fCf" fEfBf" fhfE,đ, ",μ,á,è,É,μ,Ü,μ,½□B
□Ejfxf^f€f_fCfA□fOf{fbfNfX,É,μ,Ü,μ,½□B
□EjXf}□[fgfAfcRf" ,đ,Á,~,Ü,μ,½□B
□Efwf<fvftf@fCf<,đ,Á,~,Ü,μ,½□B
□Eban ,É,æ,éfAjjf□[fVfjf"□\$CEäftf@fCf<<@\,í,È,,È,è,Ü,μ,½□B

ŠÖ~Až-□€
<@\ŠT—v
žg—p•û-@



ŠJ,...

ftf@fCf<,đf[]fvf",μ,Ü,·□B

□E□Ý'è•Ü'¶,āffftfHf<fg,Ě,ç□AfffCf"fofffBfCfNfgfŠ,ā•\Ž!,³,è,Ü,·□B

□E□Ý'è•Ü'¶,đf`fFfbfN,μ,Äf[]fvf",·,é,Ě□A,»,l,Ě,«,lfffBfCfNfgfŠ□AfffCf<fhfj[]fh,đfvf%ofCfx[]fg□%Šú
%o»ftf@fCf<,É<L~^,μ,Ü,·□B

□EfffHf<fg,Ě□Ý'è•Ü'¶,đf`fFfbfN,μ,Äf[]fvf",·,é,Ě□AfffBfCfNfgfŠ,đ-

č□Ý'è,Ě□AfffCf<fhfj[]fh,đŠù'è'l,É,μ,Äfvf%ofCfx[]fg□%Šú%o»ftf@fCf<,É<L~^,μ,Ü,·□B



□I-1

fEfBf“fhfE,ðfNf□□[fY,μ,Ü,·□B
□EfRf“fgf□□[f·f□fj...□[ðf_fuf·fNfŠfbfN,·,é,ì,Æ“~,¶,Å,·□B

Sak

ffftHf<fg•\Ž!

fEjBf“fhfE,đŸ’è,³,è,Ä,ç,é•\Ž!^Ê’uA•\Ž!fTfCfY,É^Ú“® ,μ,Ü,·B
EŸ’è•Ÿ’Ÿ,ffftHf<fg,É,çA,É,É,à,μ,Ü,¹,ñB
EŸ’è•Ÿ’Ÿ,íA•\Ž!Ÿ’è...,Ä,μ,Ü,·B

’A,μAfrfbfgf}fbfv,ì•\Ž!É,Ä,ç,Ä,íAfrfbfgf}fbfv,ìfTfCfY,É, ,í,¹,Ä•\Ž!μ,È,“,μ,Ü,·B



fxj}[]fgfAfCfRf“

fXf}[]fgfAfCfRf“,°Á<Ž,³,è,Ä,ç,è,í•\Ž!,μA•\Ž!,³,è,Ä,ç,è,îÁ<Ž,μ,Ü,·B
EY'è•Ü'¶,°ffftfHf<fg,È,ç[]AfXf}[]fgfAfCfRf“,í%Šú•\Ž!,³,è,Ü,·B
EY'è•Ü'¶,íA•\Ž!Y'è...,Ä,μ,Ü,·B



•\Ž!Ÿ'è...

fEjBf"fhfE,)\Ž!^Ê'uA•\Ž!fTfCfYfAfXf}f[fgfAfCfRf",)\Ž!,đŸ'è,μ,Û,·B
EŸ'è,³,è,½•\Ž!^Ê'uA•\Ž!fTfCfY,íAffffHf<fg•\Ž!,ĂŽg,í,è,Û,·B
EŸ'è•Û'Ÿ,đf`fFfbfN,μ,Ä—¹%đf{f^f",đ%Ÿ,·,ÆA•\Ž!Ÿ'è,đfvf%ofCfxf[fg%Šú
%o>ftf@fCf<,É<L~^,μ,Û,·B
EffffHf<fg,ÆŸ'è•Û'Ÿ,đf`fFfbfN,μ,Ä—¹%đf{f^f",đ%Ÿ,·,ÆA•\Ž!Ÿ'è,đŠù'è'l,É,μ,Äfvf%ofCfxf[fg%Šú
%o>ftf@fCf<,É<L~^,μ,Û,·B



-ÚŽŮ

f w f < f v , i - Ú Ž Ů , ě • \ Ž | , μ , Ü , · □ B

Sak

fo[fWf#f"–š–ö

fo[fWf#f"–š–ö,ö•Ž!,μ,Ü,·B

Sak

, ½, μ, É, Â, ç, Ä...

, ½, μ, É, Â, ç, Ä, Ž, μ, Ü, ·, B

Sak

fpfX,ìŸ'è

fpfX,ìŸ'è,íA•K,•K—v,Æ,ç,ı,í,~,Å,Í, ,è,Ü,¹,ñB

,μ,©,μAfpfX,ªŸ'è,³,ê,Ä,ç,È,çê#É,Í,ç,,Å,©,ì\$CEÀ,ª,Ä,«,Ü,·B

Eexe ,ì, ,éffBfCEfNfgfŠ,ìfpfX,ª,È,çê#AfvfOf%of€f}f[fWff,ì“o~^“™,Åftf<fpfXŽw'è,·,é•K—
v,ª, ,è,Ü,·B

Ehlp ,ì, ,éffBfCEfNfgfŠ,ìfpfX,ª,È,çê#AŠÖ~A•t,~,É,æ,é<N“®“™,Åfwf<fv,ðŽg,ì,È,çê#ª, ,è,Ü,·B

Eini ,ì, ,éffBfCEfNfgfŠ,ìfpfX,ª,È,çê#AŠÖ~A•t,~,É,æ,é<N“®“™,ÅŠù'è'l,Å<N“®,³,è,éê#ª, ,è,Ü,·B

ŠÖ~AŽ-€

Šú»ftf@fCf<,ìCEŸö

Šú»ftf@fCf<,ì\ç



☐%Šú%»ftf@fCf<,iĀY☐ö

ini ftf@fCf<,iĀY☐ö,í☐AZŸ,i'Ē,è,³,è,Ü,·☐B
☐Efvf%ofCfx☐[fg☐%Šú%»ftf@fCf<,ā<N“®Žž,ìjlfĀf“fgfffBfĀfNfgfŠ,Ē, ,é,©☐B
☐Efvf%ofCfx☐[fg☐%Šú%»ftf@fCf<,āfpfX☐ă,ìfffBfĀfNfgfŠ,Ē, ,é,©☐B
☐E<ā'Ē☐%Šú%»ftf@fCf<,ā<N“®Žž,ìjlfĀf“fgfffBfĀfNfgfŠ,Ē, ,é,©☐B
☐E<ā'Ē☐%Šú%»ftf@fCf<,āfpfX☐ă,ìfffBfĀfNfgfŠ,Ē, ,é,©☐B

ŠÖ~AŽ-☐€
fpfX,ì☐Y'è
☐%Šú%»ftf@fCf<,ì☐'Ā



□%Šú%»ftf@fCf<,ì\‘č

ini ftf@fCf<,ì\AŠY”-; ,éf_fCfAf□fOf{fbfNfX,Ā□Y’è•Ů’ŋ, ,é,Æ□X□V,³,è,Ü,·□B
,» ,ì,Æ,«□Afvf%»fCfX□[fg□%Šú%»ftf@fCf<,²CE ©,Ā, ©,ç,È,č
,Æ□AfjĀfĀf”fgfffBfĀfNfgfŠ,É□ì□- ,³,è,Ü,·□B□ì□□-Šm”F,ìf□bfZ□[fWf{fbfNfX,²•\Žì,³,è,Ü,·□

ini ftf@fCf<,ì\‘č,ì\AŽY,ì’È,è,Ā,·□B

[SAK DIRECTORY] CE»□Y,ì\AŽg,í,è,Ā,č,Ü,¹,ň,²•K—v,Ā,·□B
PGM=
RES=
FIL=
SAV=
TMP=
DAT=
GRP=
DOC=

[SAK FONT] ftjf”fg□Y’è
SAKFON=NO sakfon.fon ,ð’Ç%»Ā, ,é,Æ,« YES
FACENAME= System□ATernal ,È,Ç,ìftfHf”fgftfFfCfX-¼
HEIGHT= ftfHf”fg,ì□,,³
FACENAME1= fAfCfRf”•\Žì,ìftfHf”fgftfFfCfX-¼
HEIGHT1= fAfCfRf”•\Žì,ìftfHf”fg,ì□,,³

[SAK DEFVIEW] •\Žì□Y’è
SMART=YES fXf}□[fgfAfCfRf” ,ð•\Žì,μ,È,č,Æ,« NO
XS= fEfBf”fhfE,ì^È’u X
YS= fEfBf”fhfE,ì^È’u Y
XP= fEfBf”fhfE,ì•□
YP= fEfBf”fhfE,ì□,,³

[SAK CURDIR] fjfĀf”fgfffBfĀfNfgfŠ□Y’è
DEFDIR= fì□[fvf”fffBfĀfNfgfŠ
DEFATR= fì□[fvf”f□fCf<fhfJ□[fh
DEFDIR1= □V<K•Ů’ŋfffBfĀfNfgfŠ
DEFATR1= □V<K•Ů’ŋf□fCf<fhfJ□[fh

ŠÖ~AŽ-□€
fpfX,ì□Y’è
□%Šú%»ftf@fCf<,ìCEY□ö



ŠJ”ŠĀ«

Language Borland C++ for Windows 4.02
Turbo Pascal for Windows 6.0
Microsoft MASM 3.0
Microsoft Basic 7.1J

Graphic Micrografx Designer 4.0J
ZSoft Publisher's Paintbrush 2.00
Super KID for Windows 1.00
Digital arts Hyper Sayco 1.2
Zeit Kid98 3.0

Computer NEC PC-9801 DA %ü
CPU i486DX 40MHz
Memory 14MB

Hard disk 180MB

Frame GA-1280A 1024 * 768 64K □F
HyperFrame+ 640 * 400 16M □F (1024 * 1024 16M □F)

Video HyperVision+

Scanner EPSON GT-6000

Display EPSON CR-7000

Priter SHARP IO-735X

Graphics design adviser Haruhisa Yamaguchi.
C programming adviser Masaya Kitashin.



C Ć Ćĕ

Basic Ć Ćĕ, Ì—, ĚŠÈ'P, ĚŠJ", Ā, «, é, í, ¯, Ā, à, , è, Ü, ¹, ñ, μ □ A
, ©, Æ, ç, Ā, ĀfAfZf"jfuf%o Ć Ćĕ, Ì—, Ě □ A, ±, ± ^ ê", Ì—, í, ¯, Ā, à, , è, Ü, ¹, ñ □ B
, » , ñ, È + " r " ¼ ' [, Ě Ć Ćĕ, ¼, Æ Ž v, ç, Ü, · ...

Basic 3/4

Windows ,Å,ìŠj” ,šf□fCf” ,Æ,È,é’O,í□AMicrosoft Basic 7.1J ,Æ MASM 3.0 ,ÅfCfPfcfP,μ,Ä,Ü,μ,½□B
, ,ìŽ’ŽY,à,μ,Á,©,èfSf~ ,É,È,Á,Ä,μ,Ü,Á,½,© ,Æ’z,π,Æ^£,μ,¢...
,Å,à□ABasic ,ÆfAƒZf”fuf%o,í%oi%o” ,É•s-Å,Å,· !!

fpfX

autoexec.bat "™,ÁŸ'è,éŠÂ«•ï" PATH ,ì,±,Æ,Â,·B

fjfĀf“fgfffBfĀfNfgfŠ

□Efvf□fOf%of€f}f□[fWff,Éftf<fpfX,Å“o~^,μ,Ä<N“®,:.é,Æ□AfjfĀf“fgfffBfĀfNfgfŠ,í□Š□Ý,Æ^è'v,μ,Ü,:□B
□Eftf@fCf<f}f□[fWff,È,Ç,©,çŠÖ~A•t,~,É,æ,Ä,Ä<N“®,:.é,Æ□Af□[f^,í□Š□Ý,³fjfĀf“fgfffBfĀfNfgfŠ,É,È,è,Ü,:□
B

□ESloop Manager ,Å,í□A<N“®Žž,ìfjfĀf“fgfffBfĀfNfgfŠ,đ□Ý'è,Å,«,Ü,:□B
□E,»,ì¼,ì•û-@,Ä<N“®³,è,½□ê□‡,í□A^ê”É,É,»,ìŽž,ìfjfĀf“fgfffBfĀfNfgfŠ,ì,Ü,Ü,Å,·□B

fCfhfh

.

*.bmp

abc*.?1

abc??f*.*

,È,Ç,łtf@fCf'žw'è,Å,·B

fvf%ofCfx[]fg[]%Šú%»ftf@fCf<

fvf[]fOf%of€-¼.ini ,lftf@fCf<,Å,·[]B

<¤'Ê□%oŠú%o»ftf@fCf<

sakwin.ini ,lftf@fCf<,Å,·□B

,±,lftf@fCf<,¾,¯,í□AfpfX,ì□Ý'è,³ê,Ä,ç,éfffBfçEfNfgfŠ,É•K, ‚u,ç,Ä%o^o,³,ç□B

