

[ft][fU][DSN] f^fu

ft[fU][DSN ,É,Â,ç,Äff[f^ f][fX,ì'Ç%ÁAíœAÑÑ-,ðs,ç,Ü,·B,±,é,ç,ìff[f^ f][fX,ìfRf"fsf...
 [f^,É'í,μ,Äf[f]f<,É,È,èACE»Ý,ìft[fU][,ì,Ý,Žg—p,Ä,«,Ü,·B

fifvfVfjf''	□à-¾
[ft][fU][ff[f^ f][fX] f{fbfNfX	DSN ,ì-¼'O,Æ,»,é,É'í%ž,·,éfhf %ofCfo,ðŠÜ,p□Aft□[fU][DSN ,ì^è— ,Ä,·Bft□[fU][DSN ,ðf_fuf<fNfŠfbfN,·,é,Æ□Afhf%ofCfoEÄ— L,ìff[f^ f][fX,ìfZfbfgfAfbfv f_fCfAf□fO f{fbfNfX,ª·\Žì,³,é,Ü,·B
[□Ñ-]	Šù'¶,ìft[fU][ff[f^ f][fX,ì□ □-,ð·ì□X,·,éfhf%ofCfoEÄ—L,ìff[f^ f] □[fX,ì□Ñ-f_fCfAf□fO f{fbfNfX,ð·\ Žì,μ,Ü,·B[□Ñ-] ,ðNfŠfbfN,·,é'O,É□A'í□Ü,Æ,È,éft□[fU][ff[f^ f][fX,ðfŠfXfg f{fbfNfX,©,ç'ì'ð,μ,Ä,·,·K—v,ª, ,è,Ü,·B
['Ç%Á	□V,μ,ft□[fU][ff[f^ f][fX,ð'Ç %Á,μ,Ü,·B,± ,ìf{f^f'',ðNfŠfbfN,·,é,Æ□A[ff[f^ f] □[fX,ì□V<Kì□-] f_fCfAf□fO f{fbfNfX,ª·\ Žì,³,é,Ü,·Bft□[fU][ff[f^ f][fX,ð'Ç %Á,·,éfhf%ofCfo,ð'ì'ð,μ,Ü,·B[Š@-¹] ,ð'ì'ð,·,é,Æ□A,»,ìfhf%ofCfoEÄ— L,ìff[f^ f][fX,ìfZfbfgfAfbfv f_fCfAf□fO f{fbfNfX,ª·\Žì,³,é,Ü,·B
[□íœ]	Šù'¶,ìff[f^ f][fX,ðíœ,μ,Ü,·B[□íœ] ,ðNfŠfbfN,·,é'O,É□Aíœ,·,éft□[fU][ff □[f^ f][fX,ðfŠfXfg f{fbfNfX,©,ç'ì'ð,μ,Ä,·,·K—v,ª, ,è,Ü,·B
[OK]	[ODBC ff[f^ f][fX fAfhf~fjXfgfE□[f^] f_fCfAf□fO f{fbfNfX,ð·Ä,¶,Ü,·B[ft□[fU][ff[f^ f] □[fX] f{fbfNfX,É'í,·,é·ì□X,ð"K— p,·,é,½,ß,É□A[OK],ðNfŠfbfN,·,é·K— v,ì, ,è,Ü,³,ñ□BfŠfXfg f{fbfNfX,É'í,·,é·ì□X,í□Aff□[f^ f] □[fX,ìfZfbfgfAfbfv f_fCfAf□fO f{fbfNfX,Ä [OK],ª%Ÿ,³,é,½ŽŽ"_,Ä"K—p,³,é,Ä,ç ,Ü,·B
[fLfff" fZf<]	[ODBC ff[f^ f][fX fAfhf~fjXfgfE□[f^] f_fCfAf□fO f{fbfNfX,ð·Ä,¶,Ü,·B[fLfff" fZf<] ,ª'ì'ð,³,é,½,Æ,μ,Ä,à□A[ft□[fU][ff[f^ f] □[fX] f{fbfNfX,Ö,ì)ì□X,íŽæ,è□Á,³,é,È,ç ,±,Æ,É'í^Ó,μ,Ä,,¾,³,ç□B
[fwf<fv]	fwf<fv%œ-È,ð·\Žì,μ,Ü,·B

[fVfXfef€ DSN] f^fu

fVfXfef€ DSN ,É,Â,ç,Äff□f^ f□[fX,ì'Ç%oÁ□A□í□œ□A□□→,ð□s,ç,Ü,·□B,±,ê,ç,ìff□f^ f□
 □[fX,ð□Aft□fU□[,Á,í,È,fRf"fsf...□f^,É'í,μ,Äf□□[ff<,É,μ,Ü,·□BfVfXfef€□A,Ü,½,íCE CEÀ,ðŽ□,Áft□fU□[,í□Af
 VfXfef€ DSN ,ìff□f^ f□[fX,ðŽg—p,Á,«,Ü,·□B

fifvfVfjf"	□à-¾
[fVfXfef€ ff□f^ f□[fX] f{fbfNfX	DSN ,ì-¼'O,Æ,»,ê,É'í%ož,·,éfhf %ofCfo,ðŠÜ,p□AfVfXfef€ DSN ,ì'ê— ,Á,·□BfVfXfef€ DSN ,ðf_fuf<fNfŠfbfN,·,é,Æ□Afhf%ofCfoCEÀ— L,ìff□f^ f□[fX,ìfZfbfgfAfbfv f_fCfAf□fO f{fbfNfX,ª•\Žì,³,è,Ü,·□B
[□□→]	Šù'¶,ìfVfXfef€ ff□f^ f□[fX,ì□ □→,ð•í□X,·,éfhf%ofCfoCEÀ—L,ìff□f^ f□ □[fX,ìfZfbfgfAfbfv f_fCfAf□fO f{fbfNfX,ð•\Žì,μ,Ü,·□B[□□→] ,ðfNfŠfbfN,·,é'O,É□A'í□Ü,Æ,È,éVfXfef€ ff□f^ f□[fX,ðfŠfXfg f{fbfNfX,©,ç'í'ð,μ,Ä,¨,•K—v,ª,è,Ü,·□B
[ì'Ç%oÁ]	□V,μ,fVfXfef€ ff□f^ f□[fX,ð'Ç %oÁ,μ,Ü,·□B,± ,ìf{f^f",ðfNfŠfbfN,·,é,Æ□A[ff□f^ f□ □[fX,ì□V<K□ì□→] f_fCfAf□fO f{fbfNfX,ª•\ Žì,³,è,Ü,·□BfVfXfef€ ff□f^ f□[fX,ð'Ç %oÁ,·,éfhf%ofCfo,ð'í'ð,μ,Ü,·□B[Š®—¹] ,ð'í'ð,·,é,Æ□A,»,ìfhf%ofCfoCEÀ— L,ìff□f^ f□[fX,ìfZfbfgfAfbfv f_fCfAf□fO f{fbfNfX,ª•\Žì,³,è,Ü,·□B
[□í□œ]	Šù'¶,ìff□f^ f□[fX,ð□í□œ,μ,Ü,·□B[□í□œ] ,ðfNfŠfbfN,·,é'O,É□A□í□œ,·,éVfXfef€ ff□f^ f□[fX,ðfŠfXfg f{fbfNfX,©,ç'í'ð,μ,Ä,¨,•K—v,ª,è,Ü,·□B
[OK]	[ODBC ff□f^ f□[fX fAfhf~fjfxfgfœ□f^] f_fCfAf□fO f{fbfNfX,ð•Á,¶,Ü,·□B[fVfXfef€ ff□f^ f□ □[fX] f{fbfNfX,É'í,·,é•í□X,ð"K— p,·,é,½,ß,É□A[OK],ðfNfŠfbfN,·,é•K— v,í,è,Ü,³,ñ□BfŠfXfg f{fbfNfX,É'í,·,é•í□X,í□Afff□f^ f□ □[fX,ìfZfbfgfAfbfv f_fCfAf□fO f{fbfNfX,Á [OK],ª%oŸ,³,è,½ŽŽ" _,"Á"K—p,³,è,Ä,ç ,Ü,·□B
[fLfff"fZf<]	[ODBC ff□f^ f□[fX fAfhf~fjfxfgfœ□f^] f_fCfAf□fO f{fbfNfX,ð•Á,¶,Ü,·□B,à,μ [fLfff"fZf<] ,ª'í'ð,³,è,½,Æ,μ,Ä,à□A[fVfXfef€ ff□f^ f□ □[fX] f{fbfNfX,Ö,ì•í□X,íZæ,è□A,³,è,È,ç

[fwfːfv]

,±,Æ,É'∩^Ó,μ,Ä,¾,³,ϕ∩B
fwfːfv%œ-Ê,ð•\Ž!,μ,Ü,∩B

[ftf@fCfː DSN] f^fu

ftf@fCfː DSN ,É,Â,ϕ,Äff∩[f^ f∩[fX,ì'Ç%œÁ∩∩oe∩A∩∩-∩,ð∩s,ϕ,Ü,∩B"∩,∩lfhf
%ofCfo,ðfCf"fxfg∩[fː,μ,½,∩, x,Ä,∩ft∩[fU∩[,Á∩α-L,∩,æ,ÑfAfNfZfX,Ä,«,éftf@fCfː'P^Ê,∩ff∩[f^ f∩[fX,³, ,è,Ü,∩B,±,è,ϕ,∩ff∩[f^ f∩[fX,ð∩Aft∩[fU∩[,É'ì,μ,Ä∩è-p,É,∩, ,é•K-v,àfRf"fsf...
∩[f^ ,É'ì,μ,Äff∩[fjː,É,∩, ,é•K-v,à, ,è,Ü,¹,∩B

f|fːv|fːf"

∩à-¾

[ftf@fCfː ff∩[f^ f∩[fX]
f{|bfNfX

[ff∩[f^ f∩[fX,∩è∩Š] f{|bfNfX,Ä•\
Ž!,³,è,éftfHfːf_ ,É,Â,ϕ,Ä∩A,»,±
,ÉŠi"[,³,è,½ftf@fCfː DSN
,ÆftfufːtfHfːf_ ,ð,∩, x,Ä•\
Ž!,μ,Ü,∩Bftf@fCfː DSN
,ðf_fufːfNfŠfbfN,∩, ,é,Æ∩Afhf%ofCfoCEÄ—
L,∩ff∩[f^ f∩[fX,∩fZfbfgfAfbfv f_fCfAff∩fO
f{|bfNfX,³•\Ž!,³,è,Ü,∩B

[ı'Ç%œÁ]

∩V,μ,ftf@fCfː ff∩[f^ f∩[fX,ð'Ç
%œÁ,μ,Ü,∩B,±
,∩f{|f^f" ,ðfNfŠfbfN,∩, ,é,Æ∩A[ff∩[f^ f∩[fX,
∩[fX,∩VːK∩∩-∩] f_fCfAff∩fO f{|bfNfX,³•\
Ž!,³,è,Ü,∩Bftf@fCfː ff∩[f^ f∩[fX,ð'Ç
%œÁ,∩, ,éfhf
%ofCfo,ð'ì'ð,μ,Ü,∩B[∩, "x∩Ý'è)
,ð'ì'ð,∩, ,é,Æ∩Aftf@fCfː DSN
,É'ì,∩, ,éfl∩[f∩∩[fh,ðŽw'è,Ä,«,Ü,∩B

[∩ı∩œ]

Šù'∩,∩ff∩[f^ f∩[fX,ð∩ı∩œ,μ,Ü,∩B[∩ı∩œ]
,ðfNfŠfbfN,∩, ,é'O,É∩A∩ı∩œ,∩, ,éftf@fCfː
ff∩[f^ f∩[fX,ðfŠfXfg
f{|bfNfX,©,ç'ì'ð,μ,Ä,∩,∩•K-v,³, ,è,Ü,∩B

[∩∩-∩]

Šù'∩,∩ftf@fCfː ff∩[f^ f∩[fX,∩∩
∩-∩,ð•ı∩X,∩, ,éfhf%ofCfoCEÄ-L,∩ff∩[f^ f∩[fX,∩fZfbfgfAfbfv f_fCfAff∩fO
f{|bfNfX,ð•\Ž!,μ,Ü,∩B[∩∩-∩]
,ðfNfŠfbfN,∩, ,é'O,É∩A'ı∩Ü,Æ,È,éftf@fCfː
ff∩[f^ f∩[fX,ðfŠfXfg
f{|bfNfX,©,ç'ì'ð,μ,Ä,∩,∩•K-v,³, ,è,Ü,∩B

[ftfHfːf_ ,∩Ý'è)

•\Ž! 't,∩ftfHfːf_ ,ð∩AODBC
fAfhf~fjfxfgfCE∩[f^ ,∩ŽÄ∩sŽž,É•\
Ž!,∩, ,éŠù'èftfHfːf_ ,É∩Ý'è,μ,Ü,∩B

[ff∩[f^ f∩[fX,∩è∩Š]

fjfcf"fg ftfHfːf_ ,ð•\Ž!,μ,Ü,∩B,»,∩
%œ°,∩fEfbf"fhfE,É,∩A∩fjfcf"fg
ftfHfːf_ ,∩ftfufːtfHfːf_ ,Æftf@fCfː DSN ,³•\
Ž!,³,è,Ü,∩BfefLfxfg f{|bfNfX,∩%œ'α
,É, ,é%œ°CEü,«-
î^ó,ðfNfŠfbfN,∩, ,é,Æ∩AffbfcfNfgfŠ∩'ϕ'
S'ì,³•\Ž!,³,è,Ü,∩BODBC

	fAfhf~fjfXfgfCE[]f^,ìŽÀ[]s“-[]%o,É[]Å[] %o,É•\
	Ž!,³,è,éŠù'èftfHf<f_,í[]AfVfXfef€[]î•ñ,ÉŽ ù,ß,ç,è,Ä,ç,Ü,·,ª[]A,»è,í [ftfHf<f_,ì[]Ý'è) f{f^f“,Ä•ï[]X,Ä,«,Ü,·[]B
[1 ,Ä[]ã,]ftfHf<f_,Ö (fAfCfRf“)	[ff[]f^f[]fX,ì[]è[]Š] f{fbfNfX,É•\ Ž!,³,è,½ftfHf<f_,ðCE>[]Ý,ìftfHf<f_,ì 1 ,Ä[]ã,]ftfHf<f_,É•ï[]X,µ,Ü,·[]B
[OK]	[ODBC ff[]f^f[]fX fAfhf~fjfXfgfCE[]f^] f_fCfAf[]fO f{fbfNfX,ð•Ä,¶,Ü,·[]B[ftf@fCf< ff[]f^ f[] []fX] f{fbfNfX,É'í,·,é•ï[]X,ð“K— p,·,é,½,ß,É[]A[OK] ,ðfNfŠfbfN,·,é•K— v,í, ,è,Ü,¹,ñ[]BfŠfXfg f{fbfNfX,É'í,·,é•ï[]X,í[]Af[]f[]f^ f[] []fX,ìfZfbfgfAfbfv f_fCfAf[]fO f{fbfNfX,Ä [OK] f{f^f“,ª%oÿ,³,è,½Žž“_„Å“K— p,³,è,Ä,ç,Ü,·[]B
[fLfff“fZf<]	[ODBC ff[]f^f[]fX fAfhf~fjfXfgfCE[]f^] f_fCfAf[]fO f{fbfNfX,ð•Ä,¶,Ü,·[]B[fLfff“fZf<] ,ª'í'ð,³,è,½,Æ,µ,Ä,à[]A[ftf@fCf< ff[]f^ f[] []fX] f{fbfNfX,Ö,ì•ï[]X,íŽæ,è[]Á,³,è,É,ç ,±,Æ,É'[]^Ó,µ,Ä,,¾,³,ç[]B
[fwf<fv]	fwf<fv%oæ-É,ð•\Ž!,µ,Ü,·[]B

[ODBC fhf%ofCfo] f^fu

fCf“fXfg[]f<,³,è,½ ODBC fhf%ofCfo,ÉŠÖ,·,é[]î•ñ,ð•\Ž!,µ,Ü,·[]B[ODBC fhf%ofCfo] f{fbfNfX,É,í[]AfRf“fsf...
[]f^ ,ÉfCf“fXfg[]f<[]ÿ,ìfhf%ofCfo,ª•\Ž!,³,è,Ü,·[]B

fifvfVfjf“	[]à-¾
[ODBC fhf%ofCfo] f{fbfNfX	fRf“fsf... []f^ ,ÉfCf“fXfg[]f<,³,è,½CEÄ[]X,ì ODBC fhf%ofCfo,É,Ä,ç,Ä[]A- ¾'[]O[]Afo[]fWfjf“[]A%o;ìŽÐ- ¾[]Aftf@fCf<-¾[]Aftf@fCf<[]X[]V“ ú•t,ð•\ Ž!,µ,Ü,·[]B
[OK]	[ODBC ff[]f^f[]fX fAfhf~fjfXfgfCE[]f^] f_fCfAf[]fO f{fbfNfX,ð•Ä,¶,Ü,·[]B
[fLfff“fZf<]	[ODBC ff[]f^f[]fX fAfhf~fjfXfgfCE[]f^] f_fCfAf[]fO f{fbfNfX,ð•Ä,¶,Ü,·[]B
[fwf<fv]	fwf<fv%oæ-É,ð•\Ž!,µ,Ü,·[]B

fhf%ofCfo,ì'Ç%oÁ,Æ[]í[]œ,ÉŽg—p,·,é ['Ç%oÁ] f{f^f“,Æ [[]í[]œ] f{f^f“,í[]A,±,ìf_fCfAf[]fO
f{fbfNfX,É,í, ,è,Ü,¹,ñ[]BODBC fhf%ofCfo,ì'Ç%oÁ,à[]í[]œ,í[]Afhf%ofCfo,ìfZfbfgfAfbfv fv[]f[]Of%of€,ðŽg—
p,µ,Ä[]s,ª•K—v,ª, ,è,Ü,·[]B

[fgfCE[fX] f^fu

ODBC fhf%ofCfo f}f[]fWff,^a ODBC ŠÖ" ,ìCEÄ,Ño,μ,ðfgfCE[fX ('ÇÖ) ,.é•û-
@,ðŽw'è,μ,Û,·B[]žžfgfCE[fX]A^è"x,ì,Ý,ìfgfCE[fX]A" @ "ìfgfCE[fX]A,Û,½,ìfjXf^fe
fgfCE[fX,ðŽw'è,À,«,Û,·B

fifvfjtf"

à-¾

[fgfCE[fX,ìŽÀ]s]

fgfCE[fX,ð—
LCEø,É,μ[]AfgfCE[fX,ðŠ]Žn,·,éf^fCf~f" f
O,ðCE^,ß,Û,·B,±
,é,ç,ìfRf"fgf[]f<,í[]A[]Ú'±,²[]s,í,é,Ä,ç
,È,ç,Æ,«,É,ì,Ý[]Y'è,À,«,Û,·B
[fgfCE[fX,μ,È,ç]
,ð'ì'ð,·,é,Æ[]AfgfCE[fX,²-
³CEø,É,È,è,Û,·B
[í,ÉfgfCE[fX]
,ð'ì'ð,·,é,Æ[]Af}fVf",À[]s,í,é,é,·,×,Ä,ì[]Ú'
±,É,Ä,ç
,Ä[]AfgfCE[fX,²[]ížžž© " @ "ì,ÉŽÀ[]s,³,é,
Û,·B

[fgfCE[fX,ìŠ]Žn]

[^è"x,ì,ÝfgfCE[fX] ,ð'ì'ð,·,é,Æ[]AZŽ
%ñ,ì[]Ú'±
,ÉCEÀ,èfgfCE[fX,²ŽÀ[]s,³,è[]A,»,ì[]Ú'±
,²[]Ø'f,·,é,ÆfgfCE[fX,²-³CEø,É,È,è,Û,·B
" @ "ì,ÉfgfCE[fX,ð—
LCEø,É,μ,Û,·B" @ "ìfgfCE[fX,ì[]A[ODBC
ff[]f^f[]fX fAfhf~fjXfgfCE[f^]
f_fCfAf[]fO f{fbfNfX,²•\Žì,³,é,Ä,ç
,é[]Á't,ÉŽÀ[]s,³,é,Û,·B" @ "ìfgfCE[fX,ì[]
A[]Ú'±,ì—L-³,É,©,©,í,ç,,—
LCEø,É,À,«,Û,·B,±
,é,ðNfŠfbfN,·,é,Æ[]A[fgfCE[fX,ìŠ]Žn]
f{f^f",² [fgfCE[fX,ì'âŽ~]
f{f^f",É•ì,í,è,Û,·B[fgfCE[fX,ì'âŽ~]
f{f^f",ðNfŠfbfN,·,é,©[]A[ODBC ff[]f^f[]
[]fX fAfhf~fjXfgfCE[f^] f_fCfAf[]fO
f{fbfNfX,ð•Ä,¶,é,Æ[]A" @ "ìfgfCE[fX,²-
³CEø,É,È,è,Û,·B

[f[]fO ftf@fCf<,ìfpfX]

fgfCE[fX]î•ñ,ìŠi" [ftf@fCf<,ìfpfX,Æftf@f
Cf<-¾,ð•\
Žì,μ,Û,·BfvfXfef€î•ñ,©,çŠù'è,ìfpfX,Æ
ftf@fCf<-¾ (sql.log)
,²Žæ,ç,é,Û,·,²[]A•É,ìfpfX,Æftf@fCf<-
¾,ð"ü—í,·,é,©[]A[ŽQ]Æ]
f{f^f",ðNfŠfbfN,μ,ÄftfHf<f_,Æftf@fCf<,
ð'ì'ð,·,é,±
,Æ,À[]A•É,ìftf@fCf<,ðŽw'è,À,«,Û,·B

[ŽQ]Æ]

f}fVf",ìftfHf<f_,ðŽQ]Æ,μ,Ä[]Af[]fO
ftf@fCf<,ìfpfX,Æftf@fCf<-

[fjXf^f€ fgfCE[]fX DLL]	<p>¼,ð'ð,·,é,Æ,«,ÉŽg—p,μ,Û,·□B</p> <p>fgfCE[]fX,ìŽÀ□s,ÉŽg—p,·,éftf@fCf<,ð</p> <p>ODBCTRAC.DLL</p> <p>ftf@fCf<^ÈŠO,ìfgfCE[]fX DLL</p> <p>,©,ç'l'ð,·,é,Æ,«,ÉŽg—p,μ,Û,·□BODBC</p> <p>SDK ,É•t'@ ,·,é ODBCTRAC.DLL</p> <p>ftf@fCf<,ð□Aft[]fU□[,ª'l,ÔjXf^f€ DLL</p> <p>,É'u,«Š,·,ç,è,Û,·□BjXf^f€ DLL</p> <p>,ìfpfX,·,æ,Ñftf@fCf<-¼,ð"ü—</p> <p>í,·,é,©□A[DLL ,l'ð]</p> <p>f{f^f",ðfNfŠfbfN,μ,ÄjXf^f€ DLL</p> <p>,ð'ð,μ,Û,·□B</p>
[DLL ,l'ð]	<p>fffBfCEfNfgfŠ□\ç,ðŽQ□Æ,μ,ÄjXf^f€</p> <p>fgfCE[]fX DLL ,ð'ð,·,é,Æ,«,ÉŽg—</p> <p>p,μ,Û,·□BDLL</p> <p>,ð'ð,·,é,Æ□A,»,ìfpfX,Æftf@fCf<-¼,ª</p> <p>[fjXf^f€ fgfCE[]fX DLL] f{fbfNfX,É"ü—</p> <p>í,ª,è,Û,·□B</p>
[OK]	<p>fgfCE[]fX,ìŸ'è,ì•ï□X,ð"K—</p> <p>p,μ,Ä,©,ç[ODBC ff[]f^f[]fX</p> <p>fAfhf~fjXfgfCE[]f^] f_fCfAf□fO</p> <p>f{fbfNfX,ð•Ä,¶,Û,·□B</p>
[fLfff"fZf<]	<p>fgfCE[]fX,ìŸ'è,ì•ï□X,ð"K—p,¹,·,É</p> <p>[ODBC ff[]f^f[]fX fAfhf~fjXfgfCE[]f^]</p> <p>f_fCfAf□fO f{fbfNfX,ð•Ä,¶,Û,·□B</p>
[□X□V]	<p>[ODBC ff[]f^f[]fX fAfhf~fjXfgfCE[]f^]</p> <p>f_fCfAf□fO</p> <p>f{fbfNfX,ð•Ä,¶,·,É□AfgfCE[]fX,Ö,ì•ï□X"</p> <p>à—e,ð"K—</p> <p>p,μ,Û,·□B•ï□X,ª^ê□□s,í,è,Ä,ç</p> <p>,È,·,è,î□A,±,ìf{f^f",ª'W□F•\Ž ,ª,è,Û,·□B</p>
[fwf<fv]	<p>fwf<fv%œ-É,ð•\Ž ,μ,Û,·□B</p>

,±,İfŠfXfg,ÍADSÑ ,İ-¼'O,Æ,» ,ê,É'í%ž, ,éfhf%ofCfo,È,ÇAf+[]fU[][DSN ,đ,·,×,Ä·\
Ž,μ,Û,·Bft[]fU[] fff[]f^ f[]fX,É'í,μ,Äfhf%ofCfoĀ—L,İff[]f^ f[]fX,İfZfbfgfAfbfv f_fCfAf[]fO
f{fbfNfX,đ·\Ž,·,é,É,ÍAf+[]fU[][DSN ,đf_fuf<fNfŠfbfN,μ,Û,·B

Šù'ŋ, ìff[]f^ f[]fX, ì[]\[]¬, ð•î[]X, ·, éfhf%ofCfoÆÅ—L, ìff[]f^ f[]fX, ìfZfbfgfAfbfv f_fCfAf[]fO f{fbfNfX, ð•\
Ž|, ·, é, É, í[]A[[]\[]¬], ðfNfŠfbfN, μ, Û, ·[]B'î[]Û, Æ, È, éff[]f^ f[]fX, ðfŠfXfg f{fbfNfX, ©, ç'í'ð, μ, Ä, ", ·K—
v,^a, ,è, Û, ·[]B

□V,μ,ff□[f^ f□[fX,đ'Ç%oÁ,·,é,É,í□A['Ç%oÁ] ,đfNfŠfbfN,μ,Ü,·□B[ff□[f^ f□[fX,ì□V<K□ì□-] f_fCfAf□fO
f{fbfNfX,^a•\Ž|,³,é,Ü,·□Bff□[f^ f□[fX,đ'Ç%oÁ,·,éfhf%ofCfo,đ'l'đ,μ,Ä [Š@-¹] ,đ'l'đ,·,é,Æ□A,»},ìfhf
%ofCfoĀ—L,ìff□[f^ f□[fX,ìfZfbfgfAfbfv f_fCfAf□fO f{fbfNfX,^a•\Ž|,³,é,Ü,·□B

Šù'¶,ìff[]f^ f[]fX,đfŠfXfg f{fbfNfX,©,ç[]í[]œ,·,é,É,í[]A[[]í[]œ] ,đfNfŠfbfN,μ,Û,·[]B[]í[]œ,·,éff[]f^ f
[]fX,đfŠfXfg f{fbfNfX,©,ç'l'đ,μ,Ä,¨,•K—v,ª,è,Û,·[]B

[ODBC ff□[f^f□[fX fAfhf~fjfXfgfC□[f^] f_fCfAf□fO f{fbfNfX,đ•Â,¶,é,É,í□A[OK]
,đfNfŠfbfN,μ,Û,·□Bff□[f^ f□[fX fŠfXfg f{fbfNfX,É'í,·,é•í□X,đ“K—p,·,é,½,β,É [OK] ,đfNfŠfbfN,·,é•K—
v,í, ,è,Û,¹,ñ□BfŠfXfg f{fbfNfX,É'í,·,é•í□X,í□Aff□[f^ f□[fX,lfZfbfgfAfbfv f_fCfAf□fO f{fbfNfX,Å [OK]
f{f^f“,a%Ÿ,³,ê,½Žž“_„Å“K—p,³,ê,Ä,č,Û,·□B

[ODBC ff[f^ f[fX fAfhf~fjXfgfC[f^] f_fCfAfO f{fbfNfX,ð•Â,¶,é,É,ÍAlfLfff“fZf<]
,ðfNfŠfbfN,μ,Û,·B [fLfff“fZf<] ,ðfNfŠfbfN,³,ê,Ä,àAff[f^ f[fX fŠfXfg
f{fbfNfX,Ö,ì•ïX,ÍŽæ,èÁ,³,ê,Û,¹,ñB

,±,İf^fu,Å□Afwf<fv,ð•\Ž!,·,é,É,Í□A[fwf<fv] ,ðfNfŠfbfN,μ,Û,·□B

,±,İfŠfXfg,İADSÑ ,İ-¼'O,Æ,» ,é,É'Í%ž, ,éfhf%ofCfo,đ,Í,Ŕ,ßAfvfXfef€ DSN ,đ, ,x,Ä•\
Ž,μ,Û,·BfvfXfef€ ff[]f^ f[]fX ,É'Í,μ,Äfhf%ofCfoEÅ—L,İff[]f^ f[]fX,İfZfbfgfAfbfv f_fCfAf[]fO
f{fbfNfX,đ•Ž, ,é,É,ÍAfvfXfef€ DSN ,đf_fufçfNfŠfbfN,μ,Û,·B

Šù'¶,ìVfXfef€ ff[]f^ f[]fX,ì[]¬,ð•ï[]X,;éhf%oCfoEÁ—L,ìff[]f^ f[]fX,ìfZfbfgfAfbfv f_fCfAf[]fO
f{fbfNfX,ð•\Ž|,·,é,É,í[]A[[]¬] ,ðfNfŠfbfN,μ,Û,·[]B'í[]Û,Æ,È,éfVfXfef€ ff[]f^ f[]fX,ðfŠfXfg
f{fbfNfX,©,ç'í'ð,μ,Ä,¨,•K—v,^a, ,è,Û,·[]B

□V,μ,∫VfXfef€ ff□[f^ ∫□[fX,đ'Ç%Á,·,é,É,Í□A[Ç%Á] ,đfNfŠfbfN,μ,Ü,·□B[ff□[f^ ∫□[fX,ì□V<K□ì□¬] f_ÇfAf□fO f{fbfNfX,^a•\Žì,³,è,Ü,·□BfVfXfef€ ff□[f^ ∫□[fX,đ'Ç%Á,·,éfhf%ofCfo,đ'ì'đ,μ,Ä [Š@—¹] ,đ'ì'đ,·,é,Æ□A,»,ìfhf%ofCfoÆÅ—L,ìff□[f^ ∫□[fX,ìfZfbfgfAfbfv f_ÇfAf□fO f{fbfNfX,^a•\Žì,³,è,Ü,·□B

Šù'¶,ìVfXfef€ ff[]f^ f[]fX,đfŠfXfg f{fbfNfX,©,çí[]œ,.,é,É,íA[[]í[]œ]
,đfNfŠfbfN,μ,Û,·B[]í[]œ,.,éVfXfef€ ff[]f^ f[]fX,đfŠfXfg f{fbfNfX,©,ç'l'đ,μ,Ä,¨,•K—v,^a, ,è,Û,·B

,±,lfŠfXfg,íA[ff[f^ f[fX,ìéŠ] f{fbfNfX,Å•\Ž!,³,ê,éftfHf<f_É,Â,ç,ÄA,»,±,ÉŠi"[,³,ê,½ftf@fCf< DSN
,ÆfTfufthf<f_ð,·,×,Ä•\Ž!,μ,Û,·Bftf@fCf< DSN ,đf_fuf<fNfŠfbfN,·,é,ÆAfhf%oofCfoĀ—L,ìff[f^ f\
[fX,lfZfbfgfAfbfv f_fCfAf[]O f{fbfNfX,ª•\Ž!,³,ê,Û,·B

Šù'¶,ìftj@fCf< ff[]f^ f[]fX,ì[]\[]¬,đ•ĭ[]X,;éfhf%ofCfoĈĀ—L,ìff[]f^ f[]fX,ìfZfbfgfAfbfv f_fCfAf[]fO
f{fbfNfX,đ•\Ž|,;é,É,í[]A[[]\[]¬] ,đfNfŠfbfN,μ,Û,·[]B'í[]Û,Æ,È,éftj@fCf< ff[]f^ f[]fX,đfŠfXfg
f{fbfNfX,©,ç'í'đ,μ,Ä,¨,•K—v,^a, ,è,Û,·[]B

V,μ,ftf@fCf< ff[]f^ f[]fX,đ'Ç%oÁ,μ,Ü,·B,±,ìf{f^f“,đfNfŠfbfN,·,é,ÆA[ff[]f^ f[]fX,ìV<K[]i[]~]
f_CfAf[]fO f{fbfNfX,ª•\Ž,³,è,Ü,·B[]V,μ,çftf@fCf< ff[]f^ f[]fX,đ'Ç%oÁ,·,éfhf%ofCfo,đ'í'đ,μ [ŽŸ,Ö]
,đ'í'đ,·,é,ÆAftf@fCf< DSN ,É'í,·,éfL[]f[]f[]fh,đŽw'è,Å,«,Ü,·B

Šù'ŋ, ĩffŋ[f^ fŋ[fX, ðŋíŋœ, μ, Ü, ·ŋB[ŋíŋœ] , ðfNfŠfbfN, ·, é'O, ÉŋAŋíŋœ, ·, éftf@fCf< ffŋ[f^ fŋ[fX, ðfŠfXfg
f{fbfNfX, ©, ç'í'ð, μ, Ä, ·, •K—v, ^a, , è, Ü, ·ŋB

•Ž! 't, \ftfHf<f_, ð AODBC fAfhf~fjfXfgfCE [f^, iŽÀ sŽž, É•\
Ž!, ., éŠù' èftfHf<f_, ÉÝ'è, ., é, É, í A[ftfHf<f_, iÝ'è] , ðfNfŠfbfN, µ, Ü, . B

fjfCef“fg ftjHf<f_đ•\Ži,μ,Ü,·□B,»i%°đ,İfEfBf“fhfE,É,Í□AjjfCef“fg ftjHf<f_İfTfuftjHf<f_Æftj@fCf< DSN ,^a•\ Ži,³ê,Ü,·□B□%ŠúŸ’è,Å,Í□Afvfxfef€□i•ň,ÉŽù,β,ç,ê,½Šù’èftjHf<f_^a•\Ži,³ê,Ü,·□B

[ff[f^f^fX,ìéš],É•\Ž!,³,é,½ftfHf<f_ ,ðA'¼ÚCE»Ý,ìftfHf<f_ ,ì 1 ,Âã,ìftfHf<f_ ,É•ĩX, ,é,É,íA[1
,Âã,ìftfHf<f_ ,Ö (fAfCfRf“)] ,ðfNfŠfbfN,µ,Ü,·B

ftfHf<f_,"à—e,δ•\Z!,·,é,É,í□A[ftfHf<f_] f{fbfNfX,ÉftfHf<f_,"ü—í,μ,Ü,·□B□â'ípfX□A,Ü,½,íjffCEf"fg
ftfHf<f_,"ç,ì'S'ípfX,ì,ç,,é,©,δ"ü—í,Å,«,Ü,·□B

,±,lfŠfXfg,í□Afrf“fsf...□[f^,ÉfCf“fXfg□[f<,³,ê,½ ODBC fhf%ofCfo,ì-¼‘O□Afo□[fWf#f“□A%oiŽĐ-
¼□Aftf@fCf<-¼□AfŠfŠ□[fX,ì“ú•t,đ•Ž!,μ,Ü,·□B

fgfCE[fX,δ⁻³CEø,É,·,éêê‡,íA[fgfCE[fX,μ,È,ç] ,ðfNfŠfbfN,μ,Ü,·B

f}fVf",Ås,í,è,é,.,x,Ä,ìÚ'±,É,Â,ç,ÄAfgfCE[fX,ðížžž©"®"l,ÉŽÅs,.,é,É,íA[í,ÉfgfCE[fX]
,ðNfŠfbfN,μ,Û,·B

fgfCE[fX,đŽŸ%oň,ìÚ'±,ÉCEÀ,Á,ÄŽÀs,·,ééé#,[A[^ê"x,ì,ÝfgfCE[fX] ,đfNfŠfbfN,μ,Û,·BŽŸ%oň,ìÚ'±
,³Ø'f,·,é,ÆAfgefCE[fX,í-³CEø,É,È,è,Û,·B

[ODBC ff[]f^ f[]fX fAfhf~fjfXfgf[]f^] f_fCfAf[]fO f_{fbfNfX,i}\
Ž!t,Éfgf[]fX,đŽÀs,·,é,É,í[]A[fgf[]fX,ìŠ]Žn] ,đfNfŠfbfN,μ,Û,·[]B“@“lfgf[]fX,í[]A[]ú‘±,ì—L-
³,É,©,©,í,ç,·—L[]ø,É,Å,«,Û,·[]B,±,ê,đfNfŠfbfN,·,é,Æ[]A[fgf[]fX,ìŠ]Žn] f{f^f“,ª[fgf[]fX,ì’âŽ~]
f{f^f“,É•í,í,è,Û,·[]B[fgf[]fX,ì’âŽ~] f{f^f“,đfNfŠfbfN,·,é,©[]A[ODBC ff[]f^ f[]fX fAfhf~fjfXfgf[]f^]
f_fCfAf[]fO f_{fbfNfX,đ•Â,¶,é,Æ[]A“@“lfgf[]fX,ª-³[]ø,É,È,è,Û,·[]B

f[]O ftf@fCf<,lfpfX,Æftf@fCf<-¼,ð•í[]X,·,é,É,í[]A[]f[]fO ftf@fCf<,lfpfX] f{fbfNfX,ÉfefLfXfg,ð“ü—
Í,μ,Ü,·[]B,±,lf{fbfNfX,í[]Afgf[]fX[]î•ñ,ðŠi”[·,·,éftf@fCf<,lfpfX,Æftf@fCf<-¼,ð•\
Ž!,μ,Ü,·[]BfVfXfef€[]î•ñ,©,çŠù’è,lfpfX,Æftf@fCf<-¼ (SQL.LOG) ,ªŽæ,ç,ê,Ü,·,·,ª[]A•Ê,lfpfX,Æftf@fCf<-
¼,ð“ü—Í,·,é,©[]A[ŽQ[]Æ] f{f^f”,ðfNfŠfbfN,μ,ÄftfHf<f_,Æftf@fCf<,ð’ð,·,é,±
,Æ,Å[]A•Ê,lfpf@fCf<,ðŽw’è,Å,«,Ü,·[]B

f}fVf",lftfHf<f_đŽQ□Æ,μ,Ä□Af□fO ftf@fCf<,lfpfX,Æftf@fCf<-¼,đ'l'đ,·,é,Æ,«,ÉŽg—p,μ,Ü,·□B

fgfĀ[fX,İŽÀs,ÉŽg—p,·,éftf@fCf<,đ ODBCTRAC.DLL ftf@fCf<^ÈŠO,İfgfĀ[fX DLL
,©,ç'İ'đ,·,é,É,ÍA[fjffXf^f€ fgfĀ[fX DLL] f{fbfNfX,É,»,İpfX,“,æ,Ñftf@fCf<-¼,đ“ü—Í,μ,Û,·BODBC SDK
,É•t'® ,·,é ODBCTRAC.DLL ftf@fCf<,đAft[fU[,ª'İ,ÔjffXf^f€ DLL ,É'u,«Š,İ,ç,ê,Û,·BjffXf^f€ DLL
,İpfX,“,æ,Ñftf@fCf<-¼,đ“ü—Í,·,é,©A[DLL ,İ'İ'đ] f{f^f“,đfNfŠfbfN,μ,ÄjffXf^f€ DLL ,đ'İ'đ,μ,Û,·B

ffBfCEfNfgfŠ\‘č,đŽQ□Æ,μ,Äjfxf^f€ fgfCE□[fX DLL ,đ‘đ,·,é,É,í□A[DLL,ì‘đ] ,đfNfŠfbfN,μ,Ü,·□BDLL
,đ‘đ,·,é,Æ□A,»,)fpfX,Æftf@fCf<-¼,^a [fjfxf^f€ fgfCE□[fX DLL] f{fbfNfx,É“ü—í,³,è,Ü,·□B

fgfCE[fX,ìÝ'è•íX,đŽó,~“ü,ê,ÄA[ODBC ff[f^ f[fX fAfhf~fjfXfgfCE[f^] f_fCfAfO
f{fbfNfX,đ•Ä,¶,é,É,íA[OK] ,đfNfŠfbfN,µ,Û,·B

fgfCE[fX,ìÝ'è•íX,đŽó,~“ü,ê,,ÉA[ODBC ff[f^ f[fX fAfhf~fjfXfgfCE[f^] f_fCfAf[fO
f{fbfNfX,đ•Â,¶,é,É,íA[fLfff“fZf<] ,đfNfŠfbfN,μ,Ü,·B

[ODBC ff[f^f\][fX fAfhf~fjfXfgfCE[f^] f_fCfAfO
f{fbfNfX,ð•Â,¶,„É[AfgfCE[fX,ìŸ'è•ĭX,ðŽó,~“ü,ê,ééé¶,íA[XV]
,ðfNfŠfbfN,μ,Û,·B•ĭX,ª^èØs,í,ê,Ä,†,È,¯,ê,ĭA,±,ĭf{f^f“,í'W[F•\Ž,³,ê,Û,·B

[ftf@fCf< ff[]f^ f[]fX] f^fu

ftf@fCf< DSN ,ðž,Àff[]f^ f[]fX,Éü'±,μ,Ü,·□B,±,é,í□A"~,ñfhf
 %ofCfo,ðfCf"fxfg[]f<,μ,½ft[]fU[]'S^ð,æ<α—L,~,æ,ÑfAfNfZfX,·,éftf@fCf<'P^Ê,ìff[]f^ f[]fX,À,·□B,±
 ,é,ç,ìff[]f^ f[]fX,ð□Aft[]fU[][,É'í,μ,Äê—p,É,·,é•K—v,àfRf"fsf...[]f^,É'í,μ,Äff[]fj<,É,·,é•K—
 v,à, ,è,Ü,¹,ñ□B

fjfvfVfjf"	□à-¾
[ftf@fCf< ff[]f^ f[]fX] f{fbfNfX	[ff[]f^f[]fX,ìé□Š] f{fbfNfX,À·\ Ž!,³,é,éftfHf<f_,É,À,ç,Ä□A,»,± ,ÉSi"l,³,é,½ftf@fCf< DSN ,ÆfTfufHf<f_,ð,·,×,Ä·\ Ž!,μ,Ü,·□BDSN ,ðf_fuf<fNfŠfbfN,·,é,Æff[]f^ f[] fX,Éü'±,μ,Ü,·□B
[ff[]f^f[]fX,ìé□Š]	fjfcf"fg ftfHf<f_,ð·\Ž!,μ,Ü,·□B,»,ì %º,ìfEjBf"fhfE,É,í□A]fjfcf"fg ftfHf<f_,ìftfufHf<f_,Æftf@fCf< DSN ,ª·\Ž!,³,é,Ü,·□BfefLfxfg f{fbfNfX,ì %ºE'α,É, ,é%ºCEü,«- î^ó,ðfNfŠfbfN,·,é,Æ□AffBfCefNfgfŠ□ \'ç'S'ì,ª·\Ž!,³,é,Ü,·□B
[1 ,Ää,ìftfHf<f_,Ö (fAfCfRf")]	[ff[]f^f[]fX,ìé□Š] ,É·\ Ž!,³,é,½ftfHf<f_,ðCE>□Y,ìftfHf<f_,ì 1 ,Ää,ìftfHf<f_,É·ì□X,μ,Ü,·□B
[DSN-¾]	ftf@fCf< ff[]f^ f[]fX fŠfxfg't,É'ì'ð,³,é,½ftf@fCf< DSN - ¾,ð·\ Ž!,·,é,©□A,Ü,½,í□V,μ,çftf@fCf< DSN -¾,ð"ü—í,μ,Ü,·□B
[□V<K□ì□~]	□V,μ,ftf@fCf< ff[]f^ f[]fX,ð'Ç %ºÁ,μ,Ü,·□B,± ,ìf{f^f",ðfNfŠfbfN,·,é,Æ□A[ff[]f^ f[] fX,ì□V<K□ì□~] f_fCfAf□fO f{fbfNfX,ñfhf%ofCfo,ìfŠfxfg,É,À,ç ,Ä·\Ž!,³,é,Ü,·□B□V,μ,çftf@fCf< ff[]f^ f[]fX,ð'Ç%ºÁ,·,éfhf %ofCfo,ð'ì'ð,μ,Ü,·□B[ŽY,Ö] ,ð'ì'ð,·,é,Æ□Aftf@fCf< DSN ,É'í,·,éfl□[f□□fh,ðžw'è,À,«,Ü,·□B
[OK]	[ff[]f^f[]fX,ì'ì'ð] f_fCfAf□fO f{fbfNfX,ð·Ä,ñ□AfŠfxfg't,ÄfnfCf %ofCfg·\Ž!,³,é,½ftf@fCf< ff[]f^ f[] fX ,Ü,½,í [DSN -¾] f{fbfNfX,É"ü —í,μ,½ftf@fCf< ff[]f^ f[]fX,Éü'± ,μ,Ü,·□B [ftf@fCf< ff[]f^ f[]fX] f{fbfNfX,É'í,·,é·ì□X,ð"K— p,·,é,½,ß,É□A[OK] ,ðfNfŠfbfN,·,é•K

—v, í, , è, Û, ¹, ñ □ BfŠfXfg
 f{fbfNfX, É'í, , é•ï □ X, í □ A [ff □ [f^ f
 □ [fX, ìfZfbfgfAfbfv] f_fCfAf □ fO
 f{fbfNfX, Å [OK] f{f^f",^a
 %oÿ,³, è, ½Žž" _ , Å "K—p,³, è, Ä, ç, Û, · □ B

[fLfff"fZf<] ftf@fCf< ff □ [f^ f □ [fX, É □ Ú' ±, ¹, , , É
 [ff □ [f^ f □ [fX, ì'í'ð] f_fCfAf □ fO
 f{fbfNfX, ð•Å, ¶, Û, · □ B [fLfff"fZf<]
 ,^aí'ð,³, è, ½, Æ, µ, Ä, à □ Aftf@fCf<
 ff □ [f^ f □ [fX
 fŠfXfg, Ö, ì•ï □ X, ìžæ, è □ Á,³, è, Û, ¹, ñ □ B

[fwf<fv] fwf<fv%œ—É, ð•\ž!, µ, Û, · □ B

[f}fVf" ff □ [f^ f □ [fX] f^fu

ft □ [fU □ [DSN , Û, ½, ìfvfXfef€ DSN , ðž □ , Åff □ [f^ f □ [fX, É □ Ú' ±, µ, Û, · □ B }fVf" ff □ [f^ f □ [fX, í, ±
 , ìf}fVf", É € Å—L, Å , è □ A < α—L,³, è, Û, ¹, ñ □ B ft □ [fU □ [ff □ [f^ f □ [fX, í, ±, ìf}fVf" , ìft □ [fU □ [, É € Å—L, Å, · □ B, ±
 , ìf}fVf" , ì, ·, x, Å, ìft □ [fU □ [A, Û, ½, ìfvfXfef€-f □ fCfh ft □ [fX, ìfvfXfef€ ff □ [f^ f □ [fX, ðžg—p, Å, «, Û, · □ B

fìfvfVfj"

□ à-¾

[f}fVf" ff □ [f^ f □ [fX] ft □ [fU □ [DSN , ÆfvfXfef€ DSN , ì'è
 f{fbfNfX — (DSN , ì-
 ¼' O, Æf^fCfv, ðŠÜ, p) □ B DSN
 , ðf_fuf<fNfŠfbfN, , , é, Æ ff □ [f^ f
 □ [fX, É □ Ú' ±, µ, Û, · □ B

[□V<K□ì□-] □V, µ, ftf@fCf< ff □ [f^ f □ [fX, ð'Ç
 %oÁ, µ, Û, · □ B, ±
 , ìf{f^f", ðfNfŠfbfN, , , é, Æ □ A [ff □ [f^ f
 □ [fX, ì □ V<K □ ì □ -] f_fCfAf □ fO
 f{fbfNfX,^a \
 Ž!,³, è, Û, · □ B □ V, µ, çftf@fCf< ff □ [f^ f
 □ [fX, ð'Ç %oÁ, , éfhf
 %ofCfo, ð'í'ð, µ, Û, · □ B [Žÿ, Ö]
 , ð'í'ð, , , é, Æ □ ADSN
 , É'í, , éfL □ [f □ □ [fh,^a K □ Ø, Å , , é, ±
 , Æ, ðf fFfbfN, Å, «, Û, · □ B

[OK] [ff □ [f^ f □ [fX, ì'í'ð] f_fCfAf □ fO
 f{fbfNfX, ð•Å, ¶, é, Æ □ AfŠfXfg't, Åfnf
 Cf%ofCfg•\ž!,³, è, ½ftf@fCf< ff □ [f^
 f □ [fX, É □ Ú' ±, µ, Û, · □ B

[f}fVf" ff □ [f^ f □ [fX]
 fŠfXfg, É'í, , é•ï □ X, ð"K—p, , , é, ½, ß, É
 [OK] , ðfNfŠfbfN, , , é•K—
 v, í, , è, Û, ¹, ñ □ BfŠfXfg, É'í, , é•ï □ X, í □ A
 [ff □ [f^ f □ [fX, ìfZfbfgfAfbfv]
 f_fCfAf □ fO f{fbfNfX , Å [OK]
 f{f^f",^a %oÿ,³, è, ½Žž" _ , Å "K—
 p,³, è, Ä, ç, Û, · □ B

[fLfff"fZf<] ftf@fCf< ff □ [f^ f □ [fX, É □ Ú' ±

,¹,²,É□A[ff□[f^f□[fX,ì'ì'ð]
f_fCfAf□fO
f{fbfNfX,ð•Â,¶,Ü,·□B[fLfff“fZf<]
,^aì'ð,³,è,¹/₂,Æ,μ,Ä,à□Af}fVf“ ff□[f^
f□[fX
fŠfXfg,Ö,ì•ï□X,íŽæ,è□Á,³,è,È,ç,±
,Æ,É'□^Ó,μ,Ä,,³/₄,³,ç□B
[fwf<fv]
fwf<fv%œ-Ê,ð•\Ž!,μ,Ü,·□B

,±,ìfŠfXfg,í□A[ff□[f^f□[fX,ì□é□Š] f{fbfNfX,Â•\Ž!,³,è,éftfHf<f_,É,Â,ç,Ä□A,»,±,ÉŠi”[,³,è,¹/₂ftf@fCf< DSN
,ÆfTfufthf<f_,ð,·,x,Ä•\Ž!,μ,Ü,·□BDSN ,ðf_fuf<fNfŠfbfN,·,é,Æff□[f^ f□[fX,É□Ú'±,μ,Ü,·□B

fjfCef"fg ftfHf<f_đ•\Ži,μ,Ü,·□B,» ,ì%° ,ìfEfBf"fhfE,É,í□A fjfCef"fg ftfHf<f_ìfTfuftfHf<f_Æftf@fCf< DSN ,ª•\ Ži,³,ê,Ü,·□B fefLfxfg f{fbfNfx,ì%°E'α,É, ,é%°CEü,«-î^ó,đfNfŠfbfN, ,é,Æ□A,» ,ìfffBfCefNfgfŠ□\ 'S'ì,ª•\ Ži,³,ê,Ü,·□B

[ff][f^f][fX,ìéš] f{fbfNfX,É•\Ž!,³,è,½ftfHf<f_đA'¼ÚCE»ý,ìftfHf<f_ì 1
,Âã,ìftfHf<f_É•íX,μ,Û,·B

ftf@fCf< ff[]f^ f[]lfX fšfXfg't,É'l'ð,³,è,½ftf@fCf< DSN -¼,ð•\Ž!,·,é,©[]A,Ü,½,Í []V,μ,ϕftf@fCf< DSN -¼
,ð“ü—Í,μ,Ü,·[]B

fŠfXfg't,ÅfnfCf%ofCfg•\Ž!,³,ê,½ftf@fCf< ff□lf^ f□lfX,É□Ú'±,·,é,© ,Ü,½,Í [DSN -¼] f{fbfNfX't,É"ü—
Í,μ,Ü,·□B

V,μ,ftf@fCf< ff[]f^ f[]fX,đ'Ç%oÁ,μ,Ü,·B,±,ìf{f^f“,đfNfŠfbfN,·,é,ÆA[ff[]f^ f[]fX,ìV<K[]-]
f_CfAf[]fO f{fbfNfX,ª•\Ž,³,è,Ü,·B[]V,μ,çftf@fCf< ff[]f^ f[]fX,đ'Ç%oÁ,·,éfhf%ofCfo,đ'í'đ,μ,Ü,·B[ŽŸ,Ö]
,đ'í'đ,·,é,ÆAftf@fCf< DSN ,É'í,·,éL[]f[]f[]fh,đŽw'è,Å,«,Ü,·B

[ff[]f^ f[]fX,ì'ì'ð] f_fCfAf[]fO f{fbfNfX,ð•Â,¶,,.É[]AfŠfXfg't,ÅfnfCf%ofCfg•\Ž!,³,è,½ftf@fCf< ff[]f^ f
[]fX,É[]Ú'±,.,é,©,Ü,½,Í [DSN -¼] f{fbfNfX't,É"ü—í,μ,Ü,·[]B

[ftf@fCf< ff[]f^ f[]fX] fŠfXfg,É'í,.,é•ï[]X,ð"K—p,.,é,½,ß,É [OK] ,ðfNfŠfbfN,.,é•K—
v,í, ,è,Ü,¹,ñ[]BfŠfXfg,É'í,.,é•ï[]X,í[]A[ff[]f^ f[]fX,ìfZfbfNfAfbfv] f_fCfAf[]fO f{fbfNfX,Å [OK] f{f^f",ª
%oÿ,³,è,½Žž"_,Å"K—p,³,è,Ä,ç,Ü,·[]B

ftf@fCf< ff[]f^ f[]fX,É[]Ú'±,¹,,É [ff[]f^f[]fX,ì'í'ð] f_fCfAf[]fO
f{fbfNfX,ð•Á,¶,Ü,·[]BfLfff“fZf<,²'í'ð,³,è,½,Æ,μ,Ä,à[]Af}fVf“ ff[]f^ f[]fX fŠfXfg,Ö,ì•ï[]X,íŽæ,è[]Á,³,è,È,¢
,±,Æ,É'[]^Ó,μ,Ä,,¾,³,¢[]B

ft[]fU[] DSN ,ÆfvfXfef€ DSN ,î^è—— (DSN ,î-¼'O,Æf^fCfv,ðŠÜ,p)[]BDSN ,ðf_fuf:fNfŠfbfN,·,é,Æ
ff[]f^ f[]fX,É[]Ú'±,µ,Û,·[]B

□V,μ,f}}fVf“ ff□[f^ f□[fX,δ'Ç%Á,μ,Ü,·□B,±,ìf{f^f“,đfNfŠfbfN,·,é,Æ□A[ff□[f^ f□[fX,ì□V<K□ì□¬] f_CfAf□fO f{fbfNfX,^a•\Ž,³,è,Ü,·□B□V,μ,çft□[fU□[ff□[f^ f□[fX,Ü,½,ífVfXfef€ ff□[f^ f□[fX,δ'Ç %Á,·,éfhf%ofCfo,đ'í'đ,μ,Ü,·□B[ŽŸ,Ö] ,đ'í'đ,·,é,Æ□ADSN ,É'í,·,éfl□[f□□[fh,^a“K□Ø,Á, ,é,± ,Æ,đf`fFfbfN,Á,«,Ü,·□B

[ff][f^f][fX,ì'ì'ð] f_fCfAf[fO f{fbfNfX,ð•Â,¶,.,É□AfŠfXfg't,ÅfnfCf%ofCfg•\Žì,³,ê,½ftf@fCf< ff[f^ f
□[fX,É□Ú'±,μ,Ü,·□B

[f}fVf“ ff[f^ f□[fX] fŠfXfg,É'í,·,é•İ□X,ð“K—p,·,é,½,ß,É□A[OK] ,ðfNfŠfbfN,·,é•K—
v,í, ,è,Ü,¹,ñ□BfŠfXfg,É'í,·,é•İ□X,í□A[ff[f^ f□[fX,ìfZfbfgfAfbfv] f_fCfAf[fO f{fbfNfX,Å [OK] f{f^f“,ª
%oÿ,³,ê,½Žž“_Å“K—p,³,ê,Ä,ç,Ü,·□B

ftf@fCf< ff[]f^ f[]fX,É[]Ú'±,¹,,É [ff[]f^f[]fX,ì'í'ð] f_fCfAf[]fO
f{fbfNfX,ð•Ã,¶,Ü,·[]B,à,µfLfff“fZf<,³'í'ð,³,è,½,Æ,µ,Ã,à[]Af}fVf“ ff[]f^ f[]fX
fSfXfg,Ö,ì·ï[]X,íŽæ,è[]Á,³,è,È,ç,±,Æ,É'[]^Ó,µ,Ã,,¾,³,ç[]B

API

fAfvfŠfP[fVf#f" fvf[fOf%of~f"fO fCf"f^[ftfFfCfX,ì—à]BAccess ,ì,æ,α,ÈfAfvfŠfP[fVf#f",àf[fCfxf< fT[frfX,ð—v<[μ,½,èŽÀ[s,·,é,½,β,ÉŽg—p,·,éf<[f`f",)fZfbfg,Å,·B

• **ŹšfZfbfg**

• ŹšfZfbfg,Æ,ÍA•ŹšA“ŹšA<L†,Å\¬,³,é 1 ‘g,Ý,ìW‡,ÅA,» ,ì\¬—v’f,íÝ’è,³,é,Ä,†
,é‘,“,æ,ŃŒ¼ŒÉ,É,æ,è^Ù,È,è,Ü,·B,»,é,¼,é,ì•ŹšfZfbfg,ÍAfR†fh
fy†fW,ÆŒÄ,î,é,éfe†fuf<,Á’è`³,é,Ä,†,Ü,·BOEM •ŹšfZfbfg,Æ,ÍAANSI •ŹšfZfbfg,đœ,-
A,·,x,Ä,ì•ŹšfZfbfg,đŽw,μ,Ü,·BANSI •ŹšfZfbfg (fR†fh fy†fW 1007) ,ÍAWindows ,ÄŽg—p,³,é,Ä,†
,é•ŹšfZfbfg,Ä,·B

“KřfCfxf<

fAfvfŠfP[fVf#f“ ,ì†,É,íA^è’è,ì<@“\fCfxf<,Ü,½,í“KřfCfxf<,đfTf|f[f,.,éfhf%ofCfo,ì,Ý,đŽg—p,.,é,à,ì,ª, ,è ,Ü,·B,½,Æ,ì,íAfhf%ofCfo,əff[f^ f[fX,Ö,ìfpfXf[fh,đft[fU[f,É—v<f,Å,«,é,±,Æ,đ•K— v,Æ,.,éAfvfŠfP[fVf#f“ ,ª, ,è,Ü,·B,±,ì<@“\,íAAPI ,fCfxf< 1 “KřfCfxf<,ÉŠÜ,Ü,è,Ä,ç,Ü,·B

Še ODBC fhf%ofCfo,íA3 ,Á,ì API fCfxf< (fRfA AfCfxf< 1 AfCfxf< 2) ,ì,ç,,è,©,ÆA3 ,Á,ì SQL •¶-@ (íÁ- AfRfA AŠg’£) ,ì,ç,,è,©,É“Křf,μ,Ä,ç,Ü,·Bfhf %ofCfo,íA,» ,è,¼,è,ì•W fCfxf<,æ,è,àã,É, ,éCfxf<,ì<@“\,đ^è•”fTf|f[f,.,é,±,Æ,ª, ,è,Ü,·B

ff[]f^ f[]fX

ff[]f^ f[]fX,Æ,í[]Aft[]fU[][,afAfNfZfX,μ,æ,π,Æ,·,éff[]f^,»,ì,à,ì,Æ[]A,»,ìff[]f^,ðŽæ“¾,·,é,½,ß,É•K—
v,Èî•ñ,ì—¼•û,ðŽw,μ,Û,·[]B^È%°°,Éff[]f^ f[]fX,ì—á,ðŽ!,μ,Û,·[]B

- SQL Server ff[]f^fx[]fX[]A,»,ê,â•Û‘¶,³,ê,Ä,ç,éft[]fo[][]A,»,ìft[]fo[],ðfAfNfZfX,·,é,½,ß,ÉŽg—
p,·,élfbfqf[][]fN
- fAfNfZfX,μ,½,ç dBASE ,È,Ç,ìftj@fCf<,ðŠÛ,bftjHf<f_

DBMS

ff[]f^fx[]fXŠÇ—[]VfXfef€,i—²CEê[]Bff[]f^,i[]-[]A•²[]í[]ACEÿ[]ö[]A[]X[]V[]AŽæ“¾,ð[]s,²,½,ß,ÉŽg—
p,·,é]ft]gfE]F]f]A,ì,±,Æ,Å,·[]B

DDL

ff[f^'è<`E¼Eê,ì—ªEê[]Bff[f^ flfufWjFfNfg,â,»,ì'@[]«,ð'è<` ,;é,½,ß,ÉŽg—p,³,ê,é SQL
fXfe[]lfgf[]fg,ì,±,Æ,Å,·[]B,½,Æ,!,î[]ACREATE TABLE[]ADROP VIEW[]AGRANT ,È,Ç,lfXfe[]lfgf[]fg,ª,±
,ê,É, ,½,è,Û,·[]B

DLL

f_fCfif~fbfN fšf“fN f%ofCfuf%ofš,ì—³CEê□B<π'Ê,ìf^fXfN,ðžÀ□s,.,é,½,ß□A,ç,,Â,©,ìfAfvfššfP□[fVf†f“ ,Åžg
—p,³,ê,é 1 'g,Ý,ìf<□[f`f“,ì,±,Æ□BODBC fhf%ofCfo,à DLL ,ì 1 ,Â,Â,·□B

DML

ff[f^'€]\CE¾CEê,ì—ªCEêBff[f^,ð'€\ì,·,é,½,ß,ÉŽg—p,ª,ê,é SQL fXfe[fgf[f'fg,ì,±,Æ,Ä,·B,½,Æ,ì,îAUPDATEAINsertADELETE ,È,Ç,ìfXfe[fgf[f'fg,ª,±,ê,É, ,½,è,Ü,·B

ODBC

f[]fj" ff[]f^fx[]fX fRfIfNfefBfrfefB,ì—àCEê[]BfAfvfŠfP[]fVfjf",à SQL ,ð•W[]€CE¾4CEê,Æ,μ,ÄŽg—
p,μ,Ä[]Aff[]f^,ÖfAfNfzfX,·,é,±,Æ,ð%oÂ"\,É,·,é,½,ß,lfhf%ofCfo f}f[]fWff,Æ ODBC fhf%ofCfo,ì'[]i,Å,·[]B

ODBC fhf%oofCfo f}fi[fWff

ODBC fhf%oofCfo,Ö,ìfAfNfZfX,ð%oÅ"\,É,·,é DLL ,ì,±,Æ,Å,·B

ODBC fhf%ofCfo

Excel ,l,æ,x,È ODBC 'í%žfAfvfšfP[fVf+f“ ,a“Á'è,lff[f^ f[fX,ðfAfnfZfX,·,é,½,ß,ÉŽg—p,·,é DLL ,l,± ,Æ,Å,·BSQL Server ,l,æ,x,Èff[f^fx[fXŠÇ—fvfXfef€ (DBMS) ,Å,ÍA,»,é,¼,ê^Ù,È,éfhf%ofCfo,a•K— v,É,È,è,Ü,·B

SQL

□\`¢%»fNfGfŠ□[CE¾4CEê,ì—ªCEê□Bff□[f^,ìŽæ“¾4□A□X□V□AŠÇ—□,ð□s,π,½,ß,ÉŽg—p,·,éCE¾4CEê,ì,±,Æ,Å,·□B

SQL fXfe [fgf]f“fg

SQL ,Å□', ©, ê, Ä, ç, éfRf}f“fh□A, Â, Ü, è^è”Ê, ÉfNfGfŠ□[, ÆÆÄ, Î, é, é, à, Ì, Å, ·□BSQL

fXfe□[fgf]f“fg, É, Í□ASELECT□ADELETE□ACREATE TABLE , Ì, æ, x

, É□AŽÀ□s, ·, é'€□i, ðŽw'è, ·, é, à, Ì, â□AŽÀ□s, ·, é'€□i, Ì'Í□Ù, Æ, È, éfe□[fuf<, â—ñ, ðŽw'è, ·, é, à, Ì□A, » , é, É'€□i, É“K

—p, ³, è, é□ðÆ□, ðŽw'è, ·, é, à, Ì, È, Ç, ², , è, Ù, ·□B

•İŠ·fİfVf#f“

fgf%of“fXfCE[f^,əff[f^,đ•İŠ·,·,é•û-@,đŽw'è,·,élfVfVf#f“,ì,±
,Æ,Å,·□B,½,Æ,ì,î□A•İŠ·fİfVf#f“,ì't,É,í□Afgf%of“fXfCE[f^,ə^Ù,È,é•¶ŽšfZfbfg,İŠÔ,Å•¶Žš—
ňff[f^,đ•İŠ·,·,é,Æ,«□A'í□Ù,Æ,È,é•¶ŽšfZfbfg,đŽw'è,·,é,à,ì,ª, ,è,Û,·□B,Û,½□A^Ã□+%o»,â^Ã□+%o»,ì
%ođ□œ,ì,½,β,ÉŽg—p,·,éfl□[.đŽw'è,·,é,à,ì,à, ,è,Û,·□B

fgf%of“fXfCE[]f^

Access ,ì,æ,κ,ÈfAfvfŠfP[]fVf#f“,Æff[]f^ f[]fX,ìŠÔ,Å^ø,«“n,³,ê,é,·,×,Ä,lf[]f^,ð•İŠ·,·,é,½,ß,ì DLL ,ì,±
,Æ,Å,·[]Bfgf%of“fXfCE[]f^,ì[]Å,à^è”È“l,ÈŽg—p•û-@,Æ,μ,Ä[]A^Ù,È,é•¶ŽšfZfbfg,ìŠÔ,Å•¶Žš—
ñff[]f^,ð•İŠ·,·,é,Æ,ç,κ,à,ì,², ,è,Ü,·[]B,Ü,½[]Afgf%of“fXfCE[]f^,É,æ,è[]A^Ä[]t%o»,Æ^Ä[]t,ì
%oð[]œ[]A^³[]k,Æ^³[]k,ì%oð[]œ,È,Ç,ð[]s,κ,±,Æ,à,Å,«,Ü,·[]B

