

PUBLIC SYMBOLS FOR

AlFont Allocator AllocDefs AltoDefs AltoFileDefs BcdDefs BcdMerge BcdMergeDefs BcdTab BcdTabDefs BFS
 BFSDefs BinaryDefs BitBltDefs BootDefs CheckPoint ControlDefs CoreSwapDefs DebugFTPDefs DebugNub
 DebugRealDefs DebugUsefulDefs DebugXMDDefs Directory DirectoryDefs DiskDefs DiskIO DiskKD DiskKDDefs
 Display DisplayControl DisplayDefs Double DoubleDefs Files FontDefs FrameDefs FSP FSPDefs ImageDefs
 InlineDefs IODefs Keyboard KeyDefs KeyStreams Loader LoaderBcdUtilDefs LoaderBcdUtilities LoaderDefs
 LoaderUtilities LoaderUtilityDefs LoadState LoadStateDefs MakeImage MakeImageUtilities MenuDefs Menus
 MiniNub MiscDefs Miscellaneous MIUtilityDefs NonResident NovaOps NubControl NucleusDefs OsStaticDefs
 Process ProcessDefs RectangleDefs RectanglesA RectanglesB Resident RunImage SDDefs SegmentDefs Segments
 Signaller StreamDefs StreamIO StreamsA StreamsB StringDefs Strings Swapper SymbolCache SymbolTable
 SymbolTableDefs SymDefs SymTabDefs SystemDefs SystemDisplay TableDefs TimeConvert TimeDefs TrapDefs
 UnNewConfig Wart WartDefs WindowDefs WindowsA WindowsB

Abort: [ProcessDefs] PROCEDURE [UNSPECIFIED]
 Abort: [Process] PROCEDURE [process: UNSPECIFIED]
 Aborted: [ProcessDefs] SIGNAL
 Aborted: [Process] SIGNAL
 AbortMesa: [ImageDefs] PROCEDURE
 accessOffset: [ControlDefs] CARDINAL=0
 AccessOptions: [SegmentDefs] TYPE=[0..7]
 AccessOptions: [StreamDefs] TYPE=AccessOptions
 AcquireSymbolTable: [SymbolCache] PROCEDURE [handle: SymbolTableHandle] RETURNS [base:
 SymbolTableBase]
 AcquireSymbolTable: [SymbolTableDefs] PROCEDURE [handle: SymbolTableHandle] RETURNS [SymbolTableBase]
 ActOnPages: [BFSDefs] PROCEDURE [arg: POINTER TO update DiskRequest] RETURNS [page: PageNumber, bytes:
 CARDINAL]
 ActOnPages: [BFS] PROCEDURE [arg: POINTER TO update DiskRequest] RETURNS [page: PageNumber, bytes:
 CARDINAL]
 AddCleanupProcedure: [ImageDefs] PROCEDURE [POINTER TO CleanupItem]
 AddCleanupProcedure: [Miscellaneous] PROCEDURE [item: POINTER TO CleanupItem]
 AddCommand: [DebugUsefulDefs] PROCEDURE [tag: STRING, proc: PROCEDURE]
 AddFetch: [DebugFTPDefs] PROCEDURE [FetchHandle]
 AddFileName: [LoaderUtilities] PROCEDURE [file: FTIndex]
 AddFileName: [LoaderUtilityDefs] PROCEDURE [filename: FTIndex]
 AddFileRequest: [ImageDefs] PROCEDURE [POINTER TO FileRequest]
 AddFileRequest: [MakeImageUtilities] PROCEDURE [r: POINTER TO FileRequest]
 AddFileRequest: [MIUtilityDefs] PROCEDURE [r: POINTER TO FileRequest]
 AddImport: [BcdMerge] PROCEDURE [link: ControlLink] RETURNS [ControlLink]
 AddNewImport: [BcdMerge] PROCEDURE [link: ControlLink] RETURNS [ControlLink]
 AddNotify: [Allocator] PROCEDURE [proc: TableNotifier]
 AddNotify: [TableDefs] PROCEDURE [proc: TableNotifier]
 Address: [AltoDefs] TYPE=[0..177777B]
 AddressFromPage: [SegmentDefs] PROCEDURE [p: PageNumber] RETURNS [POINTER]
 AddressFromPage: [Swapper] PROCEDURE [p: PageNumber] RETURNS [POINTER]
 AddSwapStrategy: [AllocDefs] PROCEDURE [strategy: POINTER TO SwapStrategy]
 AddSwapStrategy: [Swapper] PROCEDURE [strategy: POINTER TO SwapStrategy]
 AddToNewZone: [FSPDefs] PROCEDURE [z: ZonePointer, base: POINTER, length: BlockSize, deallocate:
 Deallocator]
 AddToNewZone: [FSP] PROCEDURE [z: ZonePointer, base: POINTER, length: BlockSize, deallocate:
 Deallocator]
 AddToZone: [FSPDefs] PROCEDURE [z: ZonePointer, base: POINTER, length: BlockSize]
 AddToZone: [FSP] PROCEDURE [z: ZonePointer, base: POINTER, length: BlockSize]
 Alloc: [ControlDefs] PROCEDURE [CARDINAL] RETURNS [POINTER]
 Allocate: [Allocator] PROCEDURE [table: TableSelector, size: CARDINAL] RETURNS [OrderedTableIndex]
 Allocate: [TableDefs] PROCEDURE [table: TableSelector, size: CARDINAL] RETURNS [OrderedTableIndex]
 AllocateHeapNode: [FSP] PROCEDURE [nwords: CARDINAL] RETURNS [p: POINTER]
 AllocateHeapNode: [SystemDefs] PROCEDURE [nwords: CARDINAL] RETURNS [p: POINTER]
 AllocateHeapString: [FSP] PROCEDURE [nchars: CARDINAL] RETURNS [STRING]
 AllocateHeapString: [SystemDefs] PROCEDURE [nchars: CARDINAL] RETURNS [STRING]
 AllocateObject: [BootDefs] PROCEDURE [CARDINAL] RETURNS [ObjectHandle]
 AllocateObject: [Swapper] PROCEDURE [size: CARDINAL] RETURNS [ObjectHandle]
 AllocatePages: [Segments] PROCEDURE [npages: CARDINAL] RETURNS [POINTER]
 AllocatePages: [SystemDefs] PROCEDURE [npages: CARDINAL] RETURNS [base: POINTER]
 AllocateResidentPages: [Segments] PROCEDURE [npages: CARDINAL] RETURNS [POINTER]
 AllocateResidentPages: [SystemDefs] PROCEDURE [npages: CARDINAL] RETURNS [base: POINTER]
 AllocateResidentSegment: [Segments] PROCEDURE [nwords: CARDINAL] RETURNS [POINTER]
 AllocateResidentSegment: [SystemDefs] PROCEDURE [nwords: CARDINAL] RETURNS [base: POINTER]
 AllocateSegment: [Segments] PROCEDURE [nwords: CARDINAL] RETURNS [POINTER]
 AllocateSegment: [SystemDefs] PROCEDURE [nwords: CARDINAL] RETURNS [base: POINTER]
 AllocateSingleModule: [LoaderUtilities] PROCEDURE [loadee: BcdBase, framelinks: BOOLEAN] RETURNS
 [frame: POINTER]
 AllocateSingleModule: [LoaderUtilityDefs] PROCEDURE [loadee: BcdBase, framelinks: BOOLEAN] RETURNS

[POINTER]
AllocationVector: [ControlDefs] TYPE=ARRAY [0..21] OF AVItem
AllocationVectorSize: [ControlDefs] CARDINAL=22
AllocHandle: [AllocDefs] TYPE=POINTER TO AllocObject
AllocInfo: [AllocDefs] TYPE=RECORD[unused: [0..511], effort: {hard, easy}, direction: {topdown, bottomup}, request: {initial, retry}, class: {frame, code, table, other}, swapunlocked: BOOLEAN, compact: BOOLEAN]
AllocObject: [AllocDefs] TYPE=RECORD[avail: PROCEDURE [page: PageNumber, info: AllocInfo] RETURNS [BOOLEAN], status: PROCEDURE [page: PageNumber] RETURNS [seg: SegmentHandle, status: PageState], update: PROCEDURE [base: PageNumber, pages: PageCount, status: PageState, seg: SegmentHandle], alloc: PROCEDURE [base: PageNumber, pages: PageCount, seg: SegmentHandle, info: AllocInfo] RETURNS [PageNumber]]
AllocTag: [ControlDefs] TYPE={frame, empty, indirect, enable}
AllReasons: [ImageDefs] CARDINAL=177777B
AlterWindowType: [WindowDefs] PROCEDURE [WindowHandle, WindowType, STRING]
AlterWindowType: [WindowsB] PROCEDURE [w: WindowHandle, type: WindowType, name: STRING]
AltoVersionNumber: [OsStaticDefs] TYPE=MACHINE DEPENDENT RECORD[engineeringnumber: [0..15], buildnumber: [0..15], microcodeversion: [0..255]]
Append: [SegmentDefs] AccessOptions=4
Append: [StreamDefs] AccessOptions=4
AppendChar: [StringDefs] PROCEDURE [s: STRING, c: CHARACTER]
AppendChar: [Strings] PROCEDURE [s: STRING, c: CHARACTER]
AppendDayTime: [TimeConvert] PROCEDURE [s: STRING, unp: UnpackedTime]
AppendDayTime: [TimeDefs] PROCEDURE [STRING, UnpackedTime]
AppendDecimal: [StringDefs] PROCEDURE [s: STRING, n: INTEGER]
AppendDecimal: [Strings] PROCEDURE [s: STRING, n: INTEGER]
AppendDouble: [DoubleDefs] PROCEDURE [s: STRING, a: LongCARDINAL]
AppendDouble: [Double] PROCEDURE [s: STRING, a: LongCARDINAL]
AppendFullDayTime: [TimeConvert] PROCEDURE [s: STRING, unp: UnpackedTime]
AppendFullDayTime: [TimeDefs] PROCEDURE [STRING, UnpackedTime]
AppendLongNumber: [StringDefs] PROCEDURE [s: STRING, n: LONG INTEGER, radix: CARDINAL]
AppendLongNumber: [Strings] PROCEDURE [s: STRING, n: LONG INTEGER, radix: CARDINAL]
AppendNumber: [StringDefs] PROCEDURE [s: STRING, n: CARDINAL, radix: CARDINAL]
AppendNumber: [Strings] PROCEDURE [s: STRING, n: CARDINAL, radix: CARDINAL]
AppendOctal: [StringDefs] PROCEDURE [s: STRING, n: UNSPECIFIED]
AppendOctal: [Strings] PROCEDURE [s: STRING, n: UNSPECIFIED]
AppendRealNumber: [DebugRealDefs] PROCEDURE [STRING, REAL]
AppendString: [StringDefs] PROCEDURE [to: STRING, from: STRING]
AppendString: [Strings] PROCEDURE [to: STRING, from: STRING]
AppendSubString: [StringDefs] PROCEDURE [to: STRING, from: SubString]
AppendSubString: [Strings] PROCEDURE [to: STRING, from: SubString]
AREAD: [DebugUsefulDefs] PROCEDURE [a: UNSPECIFIED] RETURNS [UNSPECIFIED]
arrayCSEIndex: [SymDefs] TYPE=POINTER[0..37777B] TO array constructor SERecord
arrayCSENull: [SymDefs] arrayCSEIndex
AssignControlModules: [LoaderUtilities] PROCEDURE [loadee: BcdBase, Reloc: Relocation]
AssignControlModules: [LoaderUtilityDefs] PROCEDURE [loadee: BcdBase, Reloc: Relocation]
AssignDiskPage: [DiskKDDefs] PROCEDURE [da: vDA] RETURNS [vDA]
AssignDiskPage: [DiskKD] PROCEDURE [da: vDA] RETURNS [vDA]
AssignPages: [BFSDefs] PROCEDURE [arg: POINTER TO update DiskRequest]
AssignPages: [BFS] PROCEDURE [arg: POINTER TO update DiskRequest]
ATPreg: [ControlDefs] CARDINAL=4
AV: [ControlDefs] POINTER TO AllocationVector
AVItem: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[SELECT OVERLAID * FROM data => [fsi: [0..37777B], tag: AllocTag], link => [link: POINTER TO AVItem], frame => [frame: FrameHandle] ENDCASE]
AWRITE: [DebugUsefulDefs] PROCEDURE [a: UNSPECIFIED, v: UNSPECIFIED]
Background: [DisplayDefs] TYPE={white, black}
backtype: [RectangleDefs] TYPE={white, black}
BadDirectory: [DirectoryDefs] SIGNAL [name: STRING]
BadDirectory: [Directory] SIGNAL [name: STRING]
BadFilename: [DirectoryDefs] SIGNAL [name: STRING]
BadFilename: [Directory] SIGNAL [name: STRING]
BashFile: [MakeImageUtilities] PROCEDURE [f: FileHandle] RETURNS [BOOLEAN]
BashFile: [MIUtilityDefs] PROCEDURE [f: FileHandle] RETURNS [BOOLEAN]
BashHint: [MakeImageUtilities] PROCEDURE [s: FileSegmentHandle] RETURNS [BOOLEAN]
BashHint: [MIUtilityDefs] PROCEDURE [s: FileSegmentHandle] RETURNS [BOOLEAN]
bb: [SymbolTable] TableBase
BBArray: [CoreSwapDefs] TYPE=RECORD[length: CARDINAL, blocks: ARRAY [0..0] OF UserBreakBlock]
BBHandle: [CoreSwapDefs] TYPE=POINTER TO BBArray
BBoperation: [BitBltDefs] TYPE={replace, paint, invert, erase}
BBptr: [BitBltDefs] TYPE=POINTER TO BBTable
BBsourcetype: [BitBltDefs] TYPE={block, compliment, andgray, gray}
BBTable: [BitBltDefs] TYPE=MACHINE DEPENDENT RECORD[pad: [0..1777B], sourcealt: BOOLEAN, destalt:

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BOOLEAN, sourcetype: BBsourcetype, function: BBoperation, unused: CARDINAL, dbca: POINTER, dbmr:
CARDINAL, dlx: CARDINAL, dty: CARDINAL, dw: CARDINAL, dh: CARDINAL, sbca: POINTER, sbmr: CARDINAL,
s1x: CARDINAL, sty: CARDINAL, gray0: CARDINAL, gray1: CARDINAL, gray2: CARDINAL, gray3: CARDINAL]
BCD: [BcdDefs] TYPE=RECORD[versionident: CARDINAL, version: VersionStamp, creator: VersionStamp,
bound: VersionStamp, nPages: PageCount, nConfigs: CARDINAL, nModules: CARDINAL, nImports: CARDINAL,
nExports: CARDINAL, definitions: BOOLEAN, firstdummy: GFTIndex, nDummies: CARDINAL, ssOffset:
CARDINAL, sslimit: CARDINAL, ctOffset: CARDINAL, ctIndex, ctLimit: CTIndex, mtOffset: CARDINAL, mtLimit:
MTIndex, impOffset: CARDINAL, impLimit: IMPIndex, expOffset: CARDINAL, expLimit: EXPIndex,
sgOffset: CARDINAL, sgLimit: SGIndex, ftOffset: CARDINAL, ftLimit: FTIndex, ntOffset: CARDINAL,
ntLimit: NTIndex, source: NameRecord, sourceVersion: VersionStamp]
BcdAddress: [LoadStateDefs] TYPE=POINTER TO BcdAddressObject
BcdAddressObject: [LoadStateDefs] TYPE=MACHINE DEPENDENT RECORD[fp: FP, da: vDA, base: CARDINAL, fill:
[0..63], unresolved: BOOLEAN, exports: BOOLEAN, pages: BcdPageCount]
BcdArrayLength: [LoadStateDefs] CARDINAL=252
BcdBase: [LoaderBcdUtilDefs] TYPE=POINTER TO BCD
BcdBase: [LoaderUtilityDefs] TYPE=BcdBase
BcdHasExports: [LoadStateDefs] PROCEDURE [bcd: ConfigIndex] RETURNS [exports: BOOLEAN]
BcdHasExports: [LoadState] PROCEDURE [bcd: ConfigIndex] RETURNS [BOOLEAN]
BcdHasUnresolvedImports: [LoadStateDefs] PROCEDURE [bcd: ConfigIndex] RETURNS [unresolved: BOOLEAN]
BcdHasUnresolvedImports: [LoadState] PROCEDURE [bcd: ConfigIndex] RETURNS [BOOLEAN]
BcdPageCount: [LoadStateDefs] TYPE=[1..256]
BcdSegFromLoadState: [LoadStateDefs] PROCEDURE [bcd: ConfigIndex] RETURNS [bcdseg: FileSegmentHandle]
BcdSegFromLoadState: [LoadState] PROCEDURE [bcd: ConfigIndex] RETURNS [seg: FileSegmentHandle]
BcdTabErase: [BcdTabDefs] PROCEDURE
BcdTabErase: [BcdTab] PROCEDURE
BcdTabInit: [BcdTabDefs] PROCEDURE
BcdTabInit: [BcdTab] PROCEDURE
BcdTabReset: [BcdTabDefs] PROCEDURE
BcdTabReset: [BcdTab] PROCEDURE
bcp1STRING: [StringDefs] TYPE=MACHINE DEPENDENT RECORD[PRIVATE SELECT OVERLAID * FROM length =>
[length: [0..255], body: CHARACTER], characters => [char: PACKED ARRAY [17777B..254] OF CHARACTER]
ENDCASE]
bcp1StringOverflow: [StringDefs] SIGNAL
bcp1StringOverflow: [Strings] SIGNAL
Bcp1ToMesaString: [StringDefs] PROCEDURE [t: POINTER TO bcp1STRING, s: STRING]
Bcp1ToMesaString: [Strings] PROCEDURE [t: POINTER TO bcp1STRING, s: STRING]
BEL: [IODefs] CHARACTER=7C
BinderNTables: [BcdDefs] CARDINAL=12
Binding: [LoaderUtilityDefs] TYPE=DESCRIPTOR FOR ARRAY CARDINAL OF ImportBindingLink
BitAddress: [SymDefs] TYPE=RECORD[wd: [0..7777B], bd: [0..15]]
BITAND: [InlineDefs] BitOp
BITBLT: [BitBltDefs] PROCEDURE [ptr: BBptr]
BITMAP: [RectangleDefs] TYPE=WORD
BitmapError: [RectangleDefs] SIGNAL [bitmap: BMHandle, error: BitmapErrorCode]
BitmapError: [RectanglesB] SIGNAL [bitmap: BMHandle, error: BitmapErrorCode]
BitmapErrorCode: [RectangleDefs] TYPE={BitmapOperation}
BitmapObject: [RectangleDefs] TYPE=RECORD[link: BMHandle, rectangles: Rptr, dcb: DCBptr, addr: BMptr,
words: CARDINAL, wordsperline: [0..38], x0: xCoord, y0: yCoord, width: xCoord, height: yCoord,
indenting: [0..63], resolution: restype, background: backgtype]
bitmaps: [RectanglesB] BMHandle
BitmapState: [FontDefs] TYPE=RECORD[origin: POINTER, wordsPerLine: [0..77777B], x: [0..77777B], y:
[0..77777B]]
BITNOT: [InlineDefs] PROCEDURE [WORD] RETURNS [WORD]
BitOp: [InlineDefs] TYPE=PROCEDURE [WORD, WORD] RETURNS [WORD]
BITOR: [InlineDefs] BitOp
BitsForRange: [SymbolTable] PROCEDURE [maxValue: CARDINAL] RETURNS [nBits: CARDINAL]
BitsForRange: [SymTabDefs] PROCEDURE [CARDINAL] RETURNS [CARDINAL]
BitsForType: [SymbolTable] PROCEDURE [type: SEIndex] RETURNS [CARDINAL]
BitsForType: [SymTabDefs] PROCEDURE [SEIndex] RETURNS [CARDINAL]
BITSHIFT: [InlineDefs] PROCEDURE [value: WORD, count: INTEGER] RETURNS [WORD]
BITXOR: [InlineDefs] BitOp
blanklines: [RectangleDefs] CARDINAL=6
BlinkCursor: [DisplayDefs] PROCEDURE RETURNS [BOOLEAN]
BlinkCursor: [SystemDisplay] PROCEDURE RETURNS [BOOLEAN]
BlinkCursor: [WindowDefs] PROCEDURE RETURNS [BOOLEAN]
BlinkCursor: [WindowsA] PROCEDURE RETURNS [BOOLEAN]
BlockDescriptor: [SymDefs] TYPE=RECORD[offset: WordOffset, size: CARDINAL]
BlockSize: [FSPDefs] TYPE=CARDINAL[0..77777B]
BMHandle: [RectangleDefs] TYPE=POINTER TO BitmapObject
BMHandle: [WindowDefs] TYPE=BMHandle
BMptr: [RectangleDefs] TYPE=POINTER TO BITMAP
BodyInfo: [SymDefs] TYPE=RECORD[SELECT mark: * FROM Internal => [bodyTree: POINTER[0..37777B],

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sourceIndex: CARDINAL, stOrigin: POINTER[0..17777B], frameSize: [0..7777B], External => [origin:
[0..77777B], bytes: CARDINAL, startIndex: CARDINAL, indexLength: CARDINAL] ENDCASE]
BodyLink: [SymDefs] TYPE=RECORD[which: {sibling, parent}, index: BTIndex]
BodyRecord: [SymDefs] TYPE=RECORD[link: BodyLink, firstSon: BTIndex, localCtx: CTXIndex, level:
ContextLevel, info: BodyInfo, extension: SELECT kind: * FROM Callable => [id: ISEIndex, ioType:
SEIndex, monitored: BOOLEAN, stopping: BOOLEAN, entryIndex: [0..127], entry: BOOLEAN, internal:
BOOLEAN, closure: SELECT nesting: * FROM Outer => NULL, Inner => [frameOffset: [0..17777B]]
ENDCASE], Other => NULL ENDCASE]
bodytype: [SymDefs] TableSelector=6
BootCommand: [WartDefs] TYPE={bc0, bc1, bc2, bc3, bc4, bc5, bc6, bc7}
BootDataSegment: [BootDefs] PROCEDURE [base: PageNumber, pages: PageCount] RETURNS [seg:
DataSegmentHandle]
BootDataSegment: [Swapper] PROCEDURE [base: PageNumber, pages: PageCount] RETURNS [seg:
DataSegmentHandle]
BootFile: [BootDefs] PROCEDURE [access: AccessOptions] RETURNS [file: FileHandle]
BootFile: [Files] PROCEDURE [access: AccessOptions] RETURNS [file: FileHandle]
BootFileSegment: [BootDefs] PROCEDURE [file: FileHandle, base: PageNumber, pages: PageCount, access:
AccessOptions, addr: POINTER] RETURNS [seg: FileSegmentHandle]
BootFileSegment: [Segments] PROCEDURE [file: FileHandle, base: PageNumber, pages: PageCount, access:
AccessOptions, addr: POINTER] RETURNS [seg: FileSegmentHandle]
BootIndex: [WartDefs] TYPE=POINTER[0..17777B] TO BootScriptEntry
BootScriptEntry: [WartDefs] TYPE=MACHINE DEPENDENT RECORD[body: SELECT option: * FROM Command =>
[command: BootCommand, fill: [0..1777B]], SwapOutCode => [fill: BootIndex, frame:
GlobalFrameHandle], Segment => [fill1: [0..511], data: BOOLEAN, access: AccessOptions, base:
CARDINAL, pages: [1..256], vmpage: [0..255], handle: FileSegmentHandle], CodeLink => [codeseg:
SegmentBootIndex, frame: GlobalFrameHandle], Unlock => [seg: SegmentBootIndex], OpenFile => [fill:
BootIndex], Stop => [fill: BootIndex] ENDCASE]
BootScriptHeader: [WartDefs] TYPE=MACHINE DEPENDENT RECORD[tablebase: [0..17777B], av: POINTER, gft:
POINTER, sd: POINTER, ffvmp: [0..255], lfvmp: [0..255], loadState: SegmentBootIndex, fill1: [0..7],
initLoadState: SegmentBootIndex, fill12: [0..7], bcd: SegmentBootIndex, fill13: [0..7], nub:
GlobalFrameHandle, user: GlobalFrameHandle]
BootTestLimit: [WartDefs] INTEGER=17777B
Broadcast: [ProcessDefs] PROCEDURE [POINTER TO CONDITION]
BS: [IODefs] CHARACTER=10C
BTIndex: [SymDefs] TYPE=POINTER[0..37777B] TO BodyRecord
BTNull: [SymDefs] BTIndex
BusyPage: [BootDefs] SegmentHandle
BW: [KeyDefs] KeyName
BYTE: [AltoDefs] TYPE=[0..255]
BYTE: [ControlDefs] TYPE=BYTE
ByteIndex: [SymDefs] TYPE=CARDINAL
ByteLength: [SymbolTable] CARDINAL=8
BytePC: [ControlDefs] TYPE=RECORD[CARDINAL]
BytesPerPage: [AltoDefs] CARDINAL=512
BytesPerWord: [AltoDefs] CARDINAL=2
BytesPerWord: [SymbolTable] CARDINAL=2
CAbort: [CoreSwapDefs] SIGNAL
CAbort: [DebugNub] SIGNAL
cacheInfo: [SymbolTable] POINTER
CacheNewFile: [DebugUsefulDefs] PROCEDURE [name: STRING, access: AccessOptions] RETURNS [file:
FileHandle]
CallDebugger: [MiscDefs] PROCEDURE [STRING]
callDP: [CoreSwapDefs] TYPE=POINTER TO call DebugParameter
CallFTP: [DebugFTPDefs] PROCEDURE
CantSwap: [AllocDefs] SwappingProcedure
CantSwap: [CoreSwapDefs] SIGNAL
CantSwap: [DebugNub] SIGNAL
CantSwap: [Swapper] SwappingProcedure
Cardinality: [SymbolTable] PROCEDURE [type: SEIndex] RETURNS [CARDINAL]
Cardinality: [SymTabDefs] PROCEDURE [SEIndex] RETURNS [CARDINAL]
CB: [DiskDefs] TYPE=MACHINE DEPENDENT RECORD[nextCB: PRIVATE POINTER TO CB, status: PRIVATE DS,
command: PRIVATE DC, headerAddress: POINTER TO DH, labelAddress: POINTER TO DL, dataAddress:
POINTER, normalWakeups: PRIVATE WORD, errorWakeups: PRIVATE WORD, header: DH, label: DL, page:
CARDINAL, zone: POINTER TO CBZ]
CBinit: [DiskDefs] TYPE={clear, dontClear}
CBptr: [DiskDefs] TYPE=POINTER TO CB
CBTIndex: [SymDefs] TYPE=POINTER[0..37777B] TO Callable BodyRecord
CBTNull: [SymDefs] CBTIndex
CBZ: [DiskDefs] TYPE=MACHINE DEPENDENT RECORD[checkError: BOOLEAN, errorCount: [0..77777B], info:
POINTER, cleanup: PROCEDURE [CBptr], errorDA: vDA, currentPage: CARDINAL, currentBytes: CARDINAL,
normalWakeups: PRIVATE WORD, errorWakeups: PRIVATE WORD, cbQueue: PRIVATE DESCRIPTOR FOR ARRAY
CARDINAL OF CBptr, qHead: PRIVATE CARDINAL, qTail: PRIVATE CARDINAL, queueVec: PRIVATE ARRAY [0..0]

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OF CBptr]
 CBZptr: [DiskDefs] TYPE=POINTER TO CBZ
 CDT: [Keyboard] BOOLEAN
 CFA: [AltoFileDefs] TYPE=RECORD[fp: FP, fa: FA]
 CFA: [MIUtilityDefs] TYPE=CFA
 CFP: [AltoFileDefs] TYPE=MACHINE DEPENDENT RECORD[serial: SN, version: CARDINAL, blank: UNSPECIFIED, leaderDA: vDA]
 CFP: [CoreSwapDefs] TYPE=CFP
 ChangeDataToFileSegment: [SegmentDefs] PROCEDURE [dataseg: DataSegmentHandle, fileseg: FileSegmentHandle]
 ChangeDataToFileSegment: [Segments] PROCEDURE [dataseg: DataSegmentHandle, fileseg: FileSegmentHandle]
 ChangeKey: [KeyDefs] PROCEDURE [key: KeyName, action: KeyItem] RETURNS [oldAction: KeyItem]
 ChangeKey: [KeyStreams] PROCEDURE [key: KeyName, action: KeyItem] RETURNS [oldAction: KeyItem]
 charactersAvailable: [Keyboard] CONDITION
 CharHeight: [AlFont] PROCEDURE [font: FontHandle, char: CHARACTER] RETURNS [CARDINAL]
 CharHeight: [FontDefs] PROCEDURE [font: FontHandle, char: CHARACTER] RETURNS [CARDINAL]
 charlength: [AltoDefs] CARDINAL=8
 charlength: [StringDefs] CARDINAL=8
 CharsPerPage: [AltoDefs] CARDINAL=512
 CharsPerPage: [StringDefs] CARDINAL=512
 CharsPerWord: [AltoDefs] CARDINAL=2
 CharsPerWord: [StringDefs] CARDINAL=2
 CharWidth: [AlFont] PROCEDURE [font: FontHandle, char: CHARACTER] RETURNS [w: CARDINAL]
 CharWidth: [FontDefs] PROCEDURE [font: FontHandle, char: CHARACTER] RETURNS [CARDINAL]
 CheckFreePage: [BFSDefs] PROCEDURE [cb: CBptr]
 CheckFreePage: [BFS] PROCEDURE [cb: CBptr]
 CheckOne: [LoaderUtilities] PROCEDURE [fp: POINTER TO FP, name: STRING] RETURNS [found: BOOLEAN]
 chunktype: [TableDefs] TableSelector=0
 Class: [FrameDefs] PROCEDURE [frame: FrameHandle] RETURNS [FrameClass]
 CleanupCBQueue: [DiskDefs] PROCEDURE [zone: CBZptr]
 CleanupCBQueue: [DiskIO] PROCEDURE [zone: CBZptr]
 CleanupDiskKD: [DiskKDDefs] CleanupProcedure
 CleanupDiskKD: [DiskKD] CleanupProcedure
 CleanupDiskStream: [StreamDefs] PROCEDURE [stream: StreamHandle]
 CleanupDiskStream: [StreamsB] PROCEDURE [stream: StreamHandle]
 CleanupItem: [ImageDefs] TYPE=RECORD[link: POINTER TO CleanupItem, mask: CARDINAL, proc: CleanupProcedure]
 CleanupMask: [ImageDefs] ARRAY CleanupReason OF CARDINAL
 CleanupProcedure: [ImageDefs] TYPE=PROCEDURE [why: CleanupReason]
 CleanupReason: [ImageDefs] TYPE=CleanupReason
 CleanupReason: [NovaOps] TYPE={Finish, Abort, OutLd, InLd, Save, Restore, Checkpoint, Restart, Continue}
 ClearBoxInRectangle: [RectangleDefs] PROCEDURE [rectangle: Rptr, x0: xCoord, width: xCoord, y0: yCoord, height: yCoord, gray: GrayPtr]
 ClearBoxInRectangle: [RectanglesA] PROCEDURE [rectangle: Rptr, x0: xCoord, width: xCoord, y0: yCoord, height: yCoord, gray: GrayPtr]
 ClearCurrentLine: [Display] PROCEDURE [stream: StreamHandle]
 ClearCurrentLine: [StreamDefs] PROCEDURE [stream: StreamHandle]
 ClearCurrentLine: [SystemDisplay] PROCEDURE [stream: StreamHandle]
 ClearDisplayChar: [Display] PROCEDURE [stream: StreamHandle, char: CHARACTER]
 ClearDisplayChar: [StreamDefs] PROCEDURE [stream: StreamHandle, char: CHARACTER]
 ClearDisplayChar: [SystemDisplay] PROCEDURE [stream: StreamHandle, char: UNSPECIFIED]
 ClearDisplayLine: [Display] PROCEDURE [stream: StreamHandle, line: CARDINAL]
 ClearDisplayLine: [StreamDefs] PROCEDURE [stream: StreamHandle, line: CARDINAL]
 ClearMenu: [MenuDefs] PROCEDURE [menu: MenuHandle]
 ClearMenu: [Menus] PROCEDURE [menu: MenuHandle]
 CLKreg: [ControlDefs] CARDINAL=6
 CloseDiskKD: [DiskKDDefs] PROCEDURE RETURNS [BOOLEAN]
 CloseDiskKD: [DiskKD] PROCEDURE RETURNS [BOOLEAN]
 CloseDiskStream: [StreamDefs] PROCEDURE [stream: StreamHandle]
 CloseDiskStream: [StreamsB] PROCEDURE [stream: StreamHandle]
 CloseDisplayWindows: [WindowDefs] PROCEDURE
 CloseDisplayWindows: [WindowsB] PROCEDURE
 CloseFile: [Files] PROCEDURE [file: FileHandle]
 CloseFile: [SegmentDefs] PROCEDURE [file: FileHandle]
 CloseKeyStream: [KeyStreams] PROCEDURE [stream: StreamHandle]
 CloseKeyStream: [StreamDefs] PROCEDURE [stream: StreamHandle]
 codeANY: [SymDefs] CARDINAL=0
 codebaseOffset: [ControlDefs] CARDINAL=1
 codeBOOLEAN: [SymDefs] CARDINAL=2
 codeCHARACTER: [SymDefs] CARDINAL=3
 CodeDesc: [BcdDefs] TYPE=RECORD[sgi: SGIndex, packed: BOOLEAN, linkspace: BOOLEAN, offset: CARDINAL,

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length: CARDINAL]
CodeInconsistency: [Resident] SIGNAL [frame: GlobalFrameHandle]
codeINTEGER: [SymDefs] CARDINAL=1
CodeSegment: [FrameDefs] PROCEDURE [frame: FrameHandle] RETURNS [codeseg: FileSegmentHandle]
CodeSegment: [Miscellaneous] PROCEDURE [frame: FrameHandle] RETURNS [codeseg: FileSegmentHandle]
CommandLineCFA: [MiniNub] PROCEDURE RETURNS [POINTER TO CFA]
CommandLineCFA: [MiscDefs] PROCEDURE RETURNS [POINTER TO CFA]
CommandLineCFA: [NubControl] PROCEDURE RETURNS [POINTER TO CFA]
CommandTab: [BinaryDefs] PROGRAM
Comparison: [DoubleDefs] TYPE={less, equal, greater}
ComputeCharWidth: [RectangleDefs] PROCEDURE [char: CHARACTER, font: POINTER] RETURNS [CARDINAL]
ComputeCharWidth: [RectangleA] PROCEDURE [char: CHARACTER, font: POINTER] RETURNS [CARDINAL]
Condition: [ProcessDefs] TYPE=MACHINE DEPENDENT RECORD[wakeupWaiting: {no, yes}, queue: PackedQueue,
  timeout: Ticks]
ConditionVector: [ProcessDefs] TYPE=ARRAY InterruptLevel OF POINTER TO CONDITION
ConfigGFI: [LoadStateDefs] TYPE=RECORD[config: ConfigIndex, gfi: GFIIndex]
ConfigGrammar: [BinaryDefs] PROGRAM
ConfigIndex: [LoadStateDefs] TYPE=[0..127]
ConfigIndex: [MIUtilityDefs] TYPE=ConfigIndex
ConfigNull: [LoadStateDefs] ConfigIndex=127
ConstantId: [SymTabDefs] PROCEDURE [ISEIndex] RETURNS [BOOLEAN]
ContextLevel: [SymDefs] TYPE=[0..7]
ContextVariant: [SymTabDefs] PROCEDURE [CTXIndex] RETURNS [ISEIndex]
ControlA: [IODefs] CHARACTER=1C
ControlB: [IODefs] CHARACTER=2C
ControlC: [IODefs] CHARACTER=3C
ControlD: [IODefs] CHARACTER=4C
ControlDELtyped: [KeyStreams] PROCEDURE RETURNS [BOOLEAN]
ControlDELtyped: [StreamDefs] PROCEDURE RETURNS [BOOLEAN]
ControlE: [IODefs] CHARACTER=5C
ControlF: [IODefs] CHARACTER=6C
ControlFault: [NonResident] SIGNAL [source: FrameHandle] RETURNS [ControlLink]
ControlFault: [TrapDefs] SIGNAL [source: FrameHandle] RETURNS [ControlLink]
ControlG: [IODefs] CHARACTER=7C
ControlH: [IODefs] CHARACTER=10C
ControlI: [IODefs] CHARACTER=11C
ControlJ: [IODefs] CHARACTER=12C
ControlK: [IODefs] CHARACTER=13C
ControlL: [IODefs] CHARACTER=14C
ControlLink: [BcdDefs] TYPE=ControlLink
ControlLink: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[SELECT OVERLAID ControlLinkTag FROM frame =>
  [frame: FrameHandle], procedure => [gfi: GFIIndex, ep: EPIIndex, tag: ControlLinkTag], indirect =>
  [SELECT OVERLAID * FROM port => [port: PortHandle], link => [link: POINTER TO ControlLink] ENDCASE]
  ENDCASE]
ControlLinkTag: [BcdDefs] TYPE=ControlLinkTag
ControlLinkTag: [ControlDefs] TYPE={frame, procedure, indirect, unbound}
ControlM: [IODefs] CHARACTER=15C
ControlModuleFrame: [LoaderUtilities] PROCEDURE [loadee: BcdBase, Reloc: Relocation] RETURNS
  [GlobalFrameHandle]
ControlModuleFrame: [LoaderUtilityDefs] PROCEDURE [loadee: BcdBase, Reloc: Relocation] RETURNS
  [GlobalFrameHandle]
ControlN: [IODefs] CHARACTER=16C
ControlO: [IODefs] CHARACTER=17C
ControlP: [IODefs] CHARACTER=20C
ControlQ: [IODefs] CHARACTER=21C
ControlR: [IODefs] CHARACTER=22C
ControlS: [IODefs] CHARACTER=23C
ControlT: [IODefs] CHARACTER=24C
ControlU: [IODefs] CHARACTER=25C
ControlV: [IODefs] CHARACTER=26C
ControlW: [IODefs] CHARACTER=27C
ControlX: [IODefs] CHARACTER=30C
ControlY: [IODefs] CHARACTER=31C
ControlZ: [IODefs] CHARACTER=32C
Copy: [FrameDefs] PROCEDURE [old: GlobalFrameHandle] RETURNS [new: GlobalFrameHandle]
COPY: [InlineDefs] PROCEDURE [from: POINTER, nwords: CARDINAL, to: POINTER]
CopyDataToFileSegment: [SegmentDefs] PROCEDURE [dataseg: DataSegmentHandle, fileseg:
  FileSegmentHandle]
CopyDataToFileSegment: [Segments] PROCEDURE [dataseg: DataSegmentHandle, fileseg: FileSegmentHandle]
CopyFileToDataSegment: [SegmentDefs] PROCEDURE [fileseg: FileSegmentHandle, dataseg:
  DataSegmentHandle]
CopyFileToDataSegment: [Segments] PROCEDURE [fileseg: FileSegmentHandle, dataseg: DataSegmentHandle]

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CopyRead: [DebugUsefulDefs] PROCEDURE [to: POINTER, from: POINTER, nwords: CARDINAL]
 CopyWrite: [DebugUsefulDefs] PROCEDURE [to: POINTER, from: POINTER, nwords: CARDINAL]
 CoreSwap: [CoreSwapDefs] PROCEDURE [why: SwapReason, sp: SVPointer]
 CoreSwap: [DebugNub] PROCEDURE [why: SwapReason, sp: SVPointer]
 CountFreeDiskPages: [DiskKDDefs] PROCEDURE RETURNS [CARDINAL]
 CountFreeDiskPages: [DiskKD] PROCEDURE RETURNS [count: CARDINAL]
 CR: [IODefs] CHARACTER=16C
 CreateBitmap: [RectangleDefs] PROCEDURE [pagesformap: CARDINAL, wordsperline: CARDINAL] RETURNS [BMHandle]
 CreateBitmap: [RectanglesB] PROCEDURE [pagesformap: CARDINAL, wordsperline: CARDINAL] RETURNS [BMHandle]
 CreateByteStream: [StreamDefs] PROCEDURE [file: FileHandle, access: AccessOptions] RETURNS [DiskHandle]
 CreateByteStream: [StreamsB] PROCEDURE [file: FileHandle, access: AccessOptions] RETURNS [DiskHandle]
 CreateDisplayStream: [Display] PROCEDURE [rectangle: Rptr] RETURNS [DisplayHandle]
 CreateDisplayStream: [StreamDefs] PROCEDURE [rectangle: Rptr] RETURNS [DisplayHandle]
 CreateDisplayWindow: [WindowDefs] PROCEDURE [WindowType, Rptr, DisplayHandle, StreamHandle, STRING] RETURNS [WindowHandle]
 CreateDisplayWindow: [WindowsB] PROCEDURE [type: WindowType, rectangle: Rptr, ds: DisplayHandle, ks: StreamHandle, name: STRING] RETURNS [WindowHandle]
 CreateFile: [BFSDefs] PROCEDURE [name: STRING, fp: POINTER TO FP, dirFP: POINTER TO FP]
 CreateFile: [BFS] PROCEDURE [name: STRING, fp: POINTER TO FP, dirFP: POINTER TO FP]
 CreateFont: [AIFont] PROCEDURE [fontSegment: FileSegmentHandle] RETURNS [f: FontHandle]
 CreateFont: [FontDefs] PROCEDURE [FileSegmentHandle] RETURNS [FontHandle]
 CreateKeyStream: [KeyStreams] PROCEDURE RETURNS [KeyboardHandle]
 CreateKeyStream: [StreamDefs] PROCEDURE RETURNS [KeyboardHandle]
 CreateMenu: [MenuDefs] PROCEDURE [array: MenuArray] RETURNS [menu: MenuHandle]
 CreateMenu: [Menus] PROCEDURE [array: MenuArray] RETURNS [MenuHandle]
 CreatePages: [BFSDefs] PROCEDURE [ca: POINTER, cfa: POINTER TO CFA, lastPage: PageNumber, lastBytes: CARDINAL]
 CreatePages: [BFS] PROCEDURE [ca: POINTER, cfa: POINTER TO CFA, lastPage: PageNumber, lastBytes: CARDINAL]
 CreateRectangle: [RectangleDefs] PROCEDURE [bitmap: BMHandle, x0: xCoord, width: xCoord, y0: yCoord, height: yCoord] RETURNS [Rptr]
 CreateRectangle: [RectanglesB] PROCEDURE [bitmap: BMHandle, x0: xCoord, width: xCoord, y0: yCoord, height: yCoord] RETURNS [Rptr]
 CreateWordStream: [StreamDefs] PROCEDURE [file: FileHandle, access: AccessOptions] RETURNS [DiskHandle]
 CreateWordStream: [StreamsB] PROCEDURE [file: FileHandle, access: AccessOptions] RETURNS [DiskHandle]
 Creg: [ControlDefs] CARDINAL=255
 CSegPrefix: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[swapinfo: WORD, stops: BOOLEAN, fill: [0..31], ngfi: [1..4], nlinks: [0..255], entry: ARRAY [0..0] OF EntryVectorItem]
 CSEIndex: [SymDefs] TYPE=POINTER[0..3777B] TO constructor SERecord
 CSENull: [SymDefs] CSEIndex
 CTHandle: [BcdDefs] TYPE=POINTER TO CTRecord
 CTIndex: [BcdDefs] TYPE=POINTER[0..3777B] TO CTRecord
 CTNull: [BcdDefs] CTIndex
 CTRecord: [BcdDefs] TYPE=RECORD[name: NameRecord, namedinstance: BOOLEAN, file: FTIndex, config: CTIndex, control: MTIndex]
 cttype: [BcdDefs] TableSelector=3
 ctxb: [SymbolTable] TableBase
 CtxEntries: [SymbolTable] PROCEDURE [ctx: CTXIndex] RETURNS [n: CARDINAL]
 CtxEntries: [SymTabDefs] PROCEDURE [CTXIndex] RETURNS [CARDINAL]
 CTXIndex: [SymDefs] TYPE=ORDERED POINTER[0..3777B] TO CTXRecord
 CTXNull: [SymDefs] CTXIndex
 CTXRecord: [SymDefs] TYPE=RECORD[sn: Sn, selist: ISEIndex, ctxlevel: ContextLevel, extension: SELECT ctxType: * FROM simple => [ctxNew: CTXIndex], included => [ctxchain: includedCTXIndex, ctxmodule: MDIndex, ctxmap: CTXIndex, ctxclosed: BOOLEAN, ctxcomplete: BOOLEAN, restricted: BOOLEAN, ctxreset: BOOLEAN], imported => [includeLink: includedCTXIndex], nil => NULL ENDCASE]
 ctxtype: [SymDefs] TableSelector=4
 CurrentDayTime: [TimeConvert] PROCEDURE RETURNS [PackedTime]
 CurrentDayTime: [TimeDefs] PROCEDURE RETURNS [PackedTime]
 currentParameters: [TimeDefs] POINTER TO LocalTimeParameters
 currentTime: [TimeDefs] POINTER TO HardwareTime
 Cursor: [Keyboard] POINTER TO Coordinate
 CursorProcess: [DisplayControl] PROCESS
 CursorToMapCoords: [RectangleDefs] PROCEDURE [mapdata: BMHandle, x: xCoord, y: yCoord] RETURNS [xCoord, yCoord]
 CursorToMapCoords: [RectanglesA] PROCEDURE [mapdata: BMHandle, x: xCoord, y: yCoord] RETURNS [mapx: xCoord, mapy: yCoord]
 CursorToRecCoords: [RectangleDefs] PROCEDURE [rectangle: Rptr, x: xCoord, y: yCoord] RETURNS [xCoord, yCoord]

CursorToRecCoords: [RectanglesA] PROCEDURE [rectangle: Rptr, x: xCoord, y: yCoord] RETURNS [xCoord, yCoord]
 CursorTrack: [KeyStreams] PROCEDURE [b: BOOLEAN]
 CursorTrack: [StreamDefs] PROCEDURE [BOOLEAN]
 cursorTracking: [Keyboard] BOOLEAN
 CV: [ProcessDefs] POINTER TO ConditionVector
 CXIndex: [BcdTabDefs] TYPE=POINTER[0..37777B] TO CXRecord
 CXNull: [BcdTabDefs] CXIndex
 CXRecord: [BcdTabDefs] TYPE=RECORD[link: STIndex]
 cxtype: [BcdDefs] TableSelector=10
 DAdd: [DoubleDefs] PROCEDURE [a: LongCARDINAL, b: LongCARDINAL] RETURNS [LongCARDINAL]
 DAofPage: [MakeImageUtilities] PROCEDURE [file: FileHandle, page: PageNumber] RETURNS [next: vDA]
 DAofPage: [MIUtilityDefs] PROCEDURE [file: FileHandle, page: PageNumber] RETURNS [next: vDA]
 data: [BcdMerge] MergeDataHandle
 DataSegmentAddress: [SegmentDefs] PROCEDURE [seg: DataSegmentHandle] RETURNS [POINTER]
 DataSegmentAddress: [Swapper] PROCEDURE [seg: DataSegmentHandle] RETURNS [POINTER]
 DataSegmentHandle: [MIUtilityDefs] TYPE=DataSegmentHandle
 DataSegmentHandle: [SegmentDefs] TYPE=POINTER TO DataSegmentObject segment Object
 DataSegmentObject: [SegmentDefs] TYPE=data segment Object
 DAYTIME: [Files] PROCEDURE RETURNS [TIME]
 DAYTIME: [MiscDefs] PROCEDURE RETURNS [TIME]
 DCB: [RectangleDefs] TYPE=MACHINE DEPENDENT RECORD[next: DCBptr, resolution: restype, background: backgtype, indenting: [0..63], width: [0..255], bitmap: BMptr, height: CARDINAL]
 DCBchainHead: [RectangleDefs] DCBptr
 DCBnil: [RectangleDefs] DCBptr
 DCBptr: [RectangleDefs] TYPE=POINTER TO DCB
 DCompare: [DoubleDefs] PROCEDURE [a: LongCARDINAL, b: LongCARDINAL] RETURNS [Comparison]
 DDC: [DiskDefs] TYPE=RECORD[cb: CBptr, ca: POINTER, da: vDA, page: PageNumber, fp: POINTER TO FP, restore: BOOLEAN, action: vDC]
 DDivide: [DoubleDefs] PROCEDURE [num: LongCARDINAL, den: LongCARDINAL] RETURNS [quotient: LongCARDINAL, remainder: LongCARDINAL]
 DDivide: [Double] PROCEDURE [num: LongCARDINAL, den: LongCARDINAL] RETURNS [quotient: LongCARDINAL, remainder: LongCARDINAL]
 Deallocator: [FSPDefs] TYPE=PROCEDURE [POINTER]
 DebugErrorTab: [BinaryDefs] PROGRAM
 DebuggeeType: [CoreSwapDefs] TYPE={mesa40, wideBodyMesa, longMesa, nonSwappingPilot, pilot}
 DebugNub: [NucleusDefs] PROGRAM [user: PROGRAM]
 DebugParameter: [CoreSwapDefs] TYPE=MACHINE DEPENDENT RECORD[string: STRING, body: SELECT OVERLAID SwapReason FROM uncaughtsignal => [msg: UNSPECIFIED, signal: UNSPECIFIED], return => [value: UNSPECIFIED], start => [frame: GlobalFrameHandle], call => [sv: StateVector] ENDCASE]
 DefaultAccess: [SegmentDefs] AccessOptions=0
 DefaultAccess: [StreamDefs] AccessOptions=0
 DefaultBase: [SegmentDefs] PageNumber=77777B
 DefaultDataSegmentInfo: [AllocDefs] AllocInfo
 defaultdisplaystream: [Display] DisplayHandle
 DefaultFileSegmentInfo: [AllocDefs] AllocInfo
 defaultfont: [RectanglesB] Fptr
 DefaultFrameSegmentInfo: [AllocDefs] AllocInfo
 defaultlineheight: [RectanglesA] CARDINAL
 defaultmapdata: [RectanglesA] BMHandle
 DefaultPages: [SegmentDefs] PageCount=0
 defaultpfont: [RectanglesA] FAPtr
 DefaultPriority: [ProcessDefs] Priority=1
 DefaultTableSegmentInfo: [AllocDefs] AllocInfo
 DefaultTime: [TimeDefs] PackedTime
 DefaultTimeout: [ProcessDefs] Ticks=100
 DefaultVersion: [SegmentDefs] VersionOptions=0
 DEfile: [AltoFileDefs] INTEGER=1
 DEfree: [AltoFileDefs] INTEGER=0
 DEL: [IODefs] CHARACTER=177C
 DELast: [AltoFileDefs] INTEGER=63
 DeleteDataSegment: [SegmentDefs] PROCEDURE [seg: DataSegmentHandle]
 DeleteDataSegment: [Swapper] PROCEDURE [seg: DataSegmentHandle]
 DeletedFrame: [FrameDefs] PROCEDURE [gfi: GFTIndex] RETURNS [BOOLEAN]
 DeletedFrame: [Miscellaneous] PROCEDURE [gfi: GFTIndex] RETURNS [BOOLEAN]
 DeleteFileSegment: [SegmentDefs] PROCEDURE [seg: FileSegmentHandle]
 DeleteFileSegment: [Segments] PROCEDURE [seg: FileSegmentHandle]
 DeletePages: [BFSDefs] PROCEDURE [ca: POINTER, fp: POINTER TO FP, da: vDA, page: PageNumber]
 DeletePages: [BFS] PROCEDURE [ca: POINTER, fp: POINTER TO FP, da: vDA, page: PageNumber]
 DeleteSubString: [StringDefs] PROCEDURE [s: SubString]
 DeleteSubString: [Strings] PROCEDURE [s: SubString]
 DestroyBitmap: [RectangleDefs] PROCEDURE [mapdata: BMHandle] RETURNS [POINTER]

DestroyBitmap: [RectanglesB] PROCEDURE [mapdata: BMHandle] RETURNS [POINTER]
 DestroyDisplayWindow: [WindowDefs] PROCEDURE [WindowHandle]
 DestroyDisplayWindow: [WindowsB] PROCEDURE [w: WindowHandle]
 DestroyFakeModule: [MiscDefs] PROCEDURE [f: GlobalFrameHandle] RETURNS [seg: FileSegmentHandle, offset: CARDINAL]
 DestroyFakeModule: [Miscellaneous] PROCEDURE [f: GlobalFrameHandle] RETURNS [seg: FileSegmentHandle, offset: CARDINAL]
 DestroyFile: [Files] PROCEDURE [file: FileHandle]
 DestroyFile: [SegmentDefs] PROCEDURE [file: FileHandle]
 DestroyMenu: [MenuDefs] PROCEDURE [menu: MenuHandle]
 DestroyMenu: [Menus] PROCEDURE [menu: MenuHandle]
 DestroyRectangle: [RectangleDefs] PROCEDURE [rectangle: Rptr]
 DestroyRectangle: [RectanglesB] PROCEDURE [rectangle: Rptr]
 DestroyZone: [FSPDefs] PROCEDURE [z: ZonePointer]
 DestroyZone: [FSP] PROCEDURE [z: ZonePointer]
 Detach: [ProcessDefs] PROCEDURE [UNSPECIFIED]
 Detach: [Process] PROCEDURE [process: UNSPECIFIED]
 DH: [DiskDefs] TYPE=MACHINE DEPENDENT RECORD[packID: CARDINAL, diskAddress: DA]
 DIGrammar: [BinaryDefs] PROGRAM
 DInc: [DoubleDefs] PROCEDURE [a: LongCARDINAL] RETURNS [LongCARDINAL]
 DInc: [Double] PROCEDURE [a: LongCARDINAL] RETURNS [LongCARDINAL]
 DInstWord: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[evenbyte: BYTE, oddbyte: BYTE]
 DirDA: [AltoFileDefs] vDA
 Directory: [NucleusDefs] PROGRAM
 DirectoryLookup: [DirectoryDefs] PROCEDURE [fp: POINTER TO FP, name: STRING, create: BOOLEAN] RETURNS [old: BOOLEAN]
 DirectoryLookup: [Directory] PROCEDURE [fp: FPptr, name: STRING, create: BOOLEAN] RETURNS [old: BOOLEAN]
 DirectoryLookupFP: [DirectoryDefs] PROCEDURE [fp: POINTER TO FP, name: STRING] RETURNS [old: BOOLEAN]
 DirectoryLookupFP: [Directory] PROCEDURE [fp: FPptr, name: STRING] RETURNS [old: BOOLEAN]
 DirectoryPurge: [DirectoryDefs] PROCEDURE [fp: POINTER TO FP, name: STRING] RETURNS [found: BOOLEAN]
 DirectoryPurge: [Directory] PROCEDURE [fp: FPptr, name: STRING] RETURNS [found: BOOLEAN]
 DirectoryPurgeFP: [DirectoryDefs] PROCEDURE [fp: POINTER TO FP] RETURNS [found: BOOLEAN]
 DirectoryPurgeFP: [Directory] PROCEDURE [fp: FPptr] RETURNS [found: BOOLEAN]
 DirFP: [AltoFileDefs] FP
 DirSN: [AltoFileDefs] CARDINAL=100
 DisableInterrupts: [ProcessDefs] PROCEDURE
 DisableScheduling: [ProcessDefs] PROCEDURE
 DisableScheduling: [Process] PROCEDURE
 DisableTimeout: [ProcessDefs] PROCEDURE [POINTER TO CONDITION]
 DisableTimeout: [Process] PROCEDURE [condition: POINTER TO CONDITION]
 DISK: [AltoFileDefs] TYPE=MACHINE DEPENDENT RECORD[disks: CARDINAL, tracks: CARDINAL, heads: CARDINAL, sectors: CARDINAL]
 DiskCheckError: [DiskDefs] SIGNAL [page: PageNumber]
 DiskCheckError: [DiskIO] SIGNAL [page: PageNumber]
 DiskFull: [DiskKDDefs] SIGNAL
 DiskFull: [DiskKD] SIGNAL
 DiskHandle: [StreamDefs] TYPE=POINTER TO Disk StreamObject
 DiskHandle: [WindowDefs] TYPE=DiskHandle
 DiskIO: [NucleusDefs] PROGRAM
 DiskKD: [NucleusDefs] PROGRAM
 DiskPageDesc: [DiskDefs] TYPE=RECORD[prev: vDA, this: vDA, next: vDA, page: PageNumber, bytes: CARDINAL]
 DiskRequest: [DiskDefs] TYPE=RECORD[ca: POINTER, da: POINTER TO vDA, firstPage: PageNumber, lastPage: PageNumber, fp: POINTER TO FP, fixedCA: BOOLEAN, action: vDC, lastAction: vDC, signalCheckError: BOOLEAN, option: SELECT OVERLAID DiskRequestOption FROM swap => [desc: POINTER TO DiskPageDesc], update => [cleanup: PROCEDURE [CBptr]], extend => [lastBytes: CARDINAL] ENDCASE]
 DiskRequestOption: [DiskDefs] TYPE={swap, update, extend}
 DisplayBitmap: [RectangleDefs] PROCEDURE [mapdata: BMHandle]
 DisplayBitmap: [RectanglesB] PROCEDURE [mapdata: BMHandle]
 DisplayControl: [DisplayDefs] PROGRAM
 DisplayHandle: [StreamDefs] TYPE=POINTER TO Display StreamObject
 DisplayHandle: [WindowDefs] TYPE=DisplayHandle
 DisplayMenu: [MenuDefs] PROCEDURE [menu: MenuHandle, mapdata: BMHandle, x: xCoord, y: yCoord]
 DisplayMenu: [Menus] PROCEDURE [menu: MenuHandle, mapdata: BMHandle, x: xCoord, y: yCoord]
 DisplayOff: [DisplayDefs] PROCEDURE [color: Background]
 DisplayOff: [RectangleDefs] PROCEDURE [backgtype]
 DisplayOff: [RectanglesB] PROCEDURE [background: backgtype]
 DisplayOff: [SystemDisplay] PROCEDURE [color: Background]
 DisplayOn: [DisplayDefs] PROCEDURE
 DisplayOn: [RectangleDefs] PROCEDURE
 DisplayOn: [RectanglesB] PROCEDURE

DisplayOn: [SystemDisplay] PROCEDURE
 DisplayWindow: [WindowDefs] TYPE=RECORD[link: WindowHandle, type: WindowType, name: STRING, menu:
 MenuHandle, displayproc: PROCEDURE [WindowHandle], rectangle: Rptr, ds: DisplayHandle, ks:
 StreamHandle, file: DiskHandle, fileindex: StreamIndex, tempindex: StreamIndex, eofindex:
 StreamIndex, selection: Selection]
 DIVMOD: [InlineDefs] PROCEDURE [num: CARDINAL, den: CARDINAL] RETURNS [quotient: CARDINAL, remainder:
 CARDINAL]
 DIW: [ProcessDefs] POINTER TO WORD
 DL: [DiskDefs] TYPE=MACHINE DEPENDENT RECORD[next: DA, prev: DA, blank: UNSPECIFIED, bytes: CARDINAL,
 page: CARDINAL, fileID: FID]
 DMultiply: [DoubleDefs] PROCEDURE [a: LongCARDINAL, b: LongCARDINAL] RETURNS [product: LongCARDINAL]
 DMultiply: [Double] PROCEDURE [a: LongCARDINAL, b: LongCARDINAL] RETURNS [product: LongCARDINAL]
 DNeg: [DoubleDefs] PROCEDURE [a: LongCARDINAL] RETURNS [LongCARDINAL]
 DNeg: [Double] PROCEDURE [a: LongCARDINAL] RETURNS [LongCARDINAL]
 DoDiskCommand: [DiskDefs] PROCEDURE [arg: POINTER TO DDC]
 DoDiskCommand: [DiskIO] PROCEDURE [arg: POINTER TO DDC]
 DoNothingDeallocate: [FSPDefs] Deallocator
 DoNothingDeallocate: [FSP] Deallocator
 DrawBoxInRectangle: [RectangleDefs] PROCEDURE [rectangle: Rptr, x0: xCoord, width: xCoord, y0: yCoord,
 height: yCoord]
 DrawBoxInRectangle: [RectanglesA] PROCEDURE [rectangle: Rptr, x0: xCoord, width: xCoord, y0: yCoord,
 height: yCoord]
 DrawDisplayWindow: [WindowDefs] PROCEDURE [WindowHandle]
 DrawDisplayWindow: [WindowsA] PROCEDURE [w: WindowHandle]
 driveNumber: [DiskIO] [0..1]
 DropFileRequest: [MakeImageUtilities] PROCEDURE [f: FileHandle]
 DropFileRequest: [MIUtilityDefs] PROCEDURE [f: FileHandle]
 DropNotify: [Allocator] PROCEDURE [proc: TableNotifier]
 DropNotify: [TableDefs] PROCEDURE [proc: TableNotifier]
 DSDone: [DiskDefs] CARDINAL=15
 DSfake: [DiskDefs] CARDINAL=3
 DSfakeStatus: [DiskDefs] DS
 DSfree: [DiskDefs] CARDINAL=1
 DSfreeStatus: [DiskDefs] DS

DSgoodStatus: [DiskDefs] DS
 DSmaskStatus: [DiskDefs] DS
 DSOptions: [StreamDefs] TYPE=RECORD[StopRight: BOOLEAN, StopBottom: BOOLEAN, NoteLineBreak: BOOLEAN, NoteScrolling: BOOLEAN]
 DStringToLongNumber: [DebugUsefulDefs] PROCEDURE [s: STRING, radix: CARDINAL] RETURNS [LONG INTEGER]
 DSub: [DoubleDefs] PROCEDURE [a: LongCARDINAL, b: LongCARDINAL] RETURNS [LongCARDINAL]
 DV: [AltoFileDefs] TYPE=MACHINE DEPENDENT RECORD[type: [0..63], length: [0..1777B], fp: CFP]
 EnableInterrupts: [ProcessDefs] PROCEDURE
 EnableScheduling: [ProcessDefs] PROCEDURE
 EnableScheduling: [Process] PROCEDURE
 Enter: [ProcessDefs] PROCEDURE [POINTER TO MONITORLOCK] RETURNS [success: BOOLEAN]
 EnterCodeFileNames: [LoaderUtilities] PROCEDURE [loadee: BcdBase]
 EnterCodeFileNames: [LoaderUtilityDefs] PROCEDURE [loadee: BcdBase]
 EnterGfi: [LoadStateDefs] PROCEDURE [cgfi: GFTIndex, rgfi: GFTIndex, config: ConfigIndex]
 EnterGfi: [LoadState] PROCEDURE [cgfi: GFTIndex, rgfi: GFTIndex, config: ConfigIndex]
 EnterGlobalFrame: [FrameDefs] PROCEDURE [frame: GlobalFrameHandle, nslots: CARDINAL] RETURNS [entryindex: GFTIndex]
 EnterGlobalFrame: [NonResident] PROCEDURE [frame: GlobalFrameHandle, nslots: CARDINAL] RETURNS [entryindex: GFTIndex]
 EnterName: [BcdMerge] PROCEDURE [ss: SubString] RETURNS [NameRecord]
 EnterNameInTable: [BcdMerge] PROCEDURE [owner: Nameee, name: NameRecord]
 EnterString: [BcdTabDefs] PROCEDURE [SubString] RETURNS [HTIndex]
 EnterString: [BcdTab] PROCEDURE [s: SubString] RETURNS [hti: HTIndex]
 EnterString: [SymTabDefs] PROCEDURE [SubString] RETURNS [HTIndex]
 EntryVectorItem: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[initialpc: WordPC, defaults: BOOLEAN, nparams: [0..127], framesize: [0..255]]
 EnumerateConfigTable: [LoaderBcdUtilDefs] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [CThandle, CTIndex] RETURNS [BOOLEAN]] RETURNS [cth: CThandle, cti: CTIndex]
 EnumerateConfigTable: [LoaderBcdUtilities] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [CThandle, CTIndex] RETURNS [BOOLEAN]] RETURNS [cth: CThandle, cti: CTIndex]
 EnumerateDataSegments: [SegmentDefs] PROCEDURE [proc: PROCEDURE [DataSegmentHandle] RETURNS [BOOLEAN]] RETURNS [DataSegmentHandle]
 EnumerateDataSegments: [Segments] PROCEDURE [proc: PROCEDURE [DataSegmentHandle] RETURNS [BOOLEAN]] RETURNS [DataSegmentHandle]
 EnumerateDirectory: [DirectoryDefs] PROCEDURE [proc: PROCEDURE [POINTER TO FP, STRING] RETURNS [BOOLEAN]]
 EnumerateDirectory: [Directory] PROCEDURE [proc: PROCEDURE [POINTER TO FP, STRING] RETURNS [BOOLEAN]]
 EnumerateEntries: [DirectoryDefs] PROCEDURE [dir: StreamHandle, proc: PROCEDURE [StreamIndex, POINTER TO DV, STRING] RETURNS [BOOLEAN]] RETURNS [StreamIndex]
 EnumerateEntries: [Directory] PROCEDURE [dir: StreamHandle, proc: PROCEDURE [StreamIndex, DVptr, STRING] RETURNS [BOOLEAN]] RETURNS [StreamIndex]
 EnumerateExportTable: [LoaderBcdUtilDefs] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [EXPHandle, EXPIndex] RETURNS [BOOLEAN]] RETURNS [eth: EXPHandle, eti: EXPIndex]
 EnumerateExportTable: [LoaderBcdUtilities] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [EXPHandle, EXPIndex] RETURNS [BOOLEAN]] RETURNS [eth: EXPHandle, eti: EXPIndex]
 EnumerateFiles: [Files] PROCEDURE [proc: PROCEDURE [FileHandle] RETURNS [BOOLEAN]] RETURNS [FileHandle]
 EnumerateFiles: [SegmentDefs] PROCEDURE [proc: PROCEDURE [FileHandle] RETURNS [BOOLEAN]] RETURNS [file: FileHandle]
 EnumerateFileSegments: [SegmentDefs] PROCEDURE [proc: PROCEDURE [FileSegmentHandle] RETURNS [BOOLEAN]] RETURNS [FileSegmentHandle]
 EnumerateFileSegments: [Segments] PROCEDURE [proc: PROCEDURE [FileSegmentHandle] RETURNS [BOOLEAN]] RETURNS [FileSegmentHandle]
 EnumerateFileTable: [LoaderBcdUtilDefs] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [FTHandle, FTIndex] RETURNS [BOOLEAN]] RETURNS [fth: FTHandle, fti: FTIndex]
 EnumerateFileTable: [LoaderBcdUtilities] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [FTHandle, FTIndex] RETURNS [BOOLEAN]] RETURNS [fth: FTHandle, fti: FTIndex]
 EnumerateGlobalFrames: [FrameDefs] PROCEDURE [proc: PROCEDURE [GlobalFrameHandle] RETURNS [BOOLEAN]] RETURNS [GlobalFrameHandle]
 EnumerateGlobalFrames: [NonResident] PROCEDURE [proc: PROCEDURE [GlobalFrameHandle] RETURNS [BOOLEAN]] RETURNS [GlobalFrameHandle]
 EnumerateImportTable: [LoaderBcdUtilDefs] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [IMPHandle, IMPIndex] RETURNS [BOOLEAN]] RETURNS [ith: IMPHandle, iti: IMPIndex]
 EnumerateImportTable: [LoaderBcdUtilities] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [IMPHandle, IMPIndex] RETURNS [BOOLEAN]] RETURNS [ith: IMPHandle, iti: IMPIndex]
 EnumerateLoadStateBcds: [LoadStateDefs] PROCEDURE [dir: EnumerationDirection, proc: PROCEDURE [ConfigIndex, BcdAddress] RETURNS [BOOLEAN]] RETURNS [config: ConfigIndex, bcd: BcdAddress]
 EnumerateLoadStateBcds: [LoadState] PROCEDURE [dir: EnumerationDirection, proc: PROCEDURE [ConfigIndex, BcdAddress] RETURNS [BOOLEAN]] RETURNS [config: ConfigIndex, bcd: BcdAddress]
 EnumerateLoadStateGFT: [LoadStateDefs] PROCEDURE [proc: PROCEDURE [rgfi: GFTIndex, cgfi: GFTIndex, config: ConfigIndex] RETURNS [BOOLEAN]] RETURNS [GFTIndex]
 EnumerateLoadStateGFT: [LoadState] PROCEDURE [proc: PROCEDURE [GFTIndex, GFTIndex, ConfigIndex]

RETURNS [BOOLEAN]] RETURNS [GFTIndex]
 EnumerateModuleTable: [LoaderBcdUtilDefs] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [MTHandle, MTIndex]
 RETURNS [BOOLEAN]] RETURNS [mth: MTHandle, mti: MTIndex]
 EnumerateModuleTable: [LoaderBcdUtilities] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [MTHandle,
 MTIndex] RETURNS [BOOLEAN]] RETURNS [mth: MTHandle, mti: MTIndex]
 EnumerateNameTable: [LoaderBcdUtilDefs] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [NTHandle, NTIndex]
 RETURNS [BOOLEAN]] RETURNS [nth: NTHandle, nti: NTIndex]
 EnumerateNameTable: [LoaderBcdUtilities] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [NTHandle, NTIndex]
 RETURNS [BOOLEAN]] RETURNS [nth: NTHandle, nti: NTIndex]
 EnumerateObjects: [BootDefs] PROCEDURE [type: ObjectType, proc: PROCEDURE [ObjectHandle] RETURNS
 [BOOLEAN]] RETURNS [ObjectHandle]
 EnumerateObjects: [Swapper] PROCEDURE [type: ObjectType, proc: PROCEDURE [ObjectHandle] RETURNS
 [BOOLEAN]] RETURNS [object: ObjectHandle]
 EnumerateSegTable: [LoaderBcdUtilDefs] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [SGHandle, SGIndex]
 RETURNS [BOOLEAN]] RETURNS [sgh: SGHandle, sgi: SGIndex]
 EnumerateSegTable: [LoaderBcdUtilities] PROCEDURE [bcd: BcdBase, proc: PROCEDURE [SGHandle, SGIndex]
 RETURNS [BOOLEAN]] RETURNS [sgh: SGHandle, sgi: SGIndex]
 EnumerationDirection: [LoadStateDefs] TYPE={recentfirst, recentlast}
 eofDA: [AltoFileDefs] vDA
 EPIndex: [BcdDefs] TYPE=EPIndex
 EPIndex: [ControlDefs] TYPE=[0..31]
 EPLimit: [BcdDefs] CARDINAL=32
 EPRange: [ControlDefs] CARDINAL=32
 EqualIndex: [StreamDefs] PROCEDURE [i1: StreamIndex, i2: StreamIndex] RETURNS [BOOLEAN]
 EqualIndex: [StreamsB] PROCEDURE [i1: StreamIndex, i2: StreamIndex] RETURNS [BOOLEAN]
 EqualString: [StringDefs] PROCEDURE [s1: STRING, s2: STRING] RETURNS [BOOLEAN]
 EqualString: [Strings] PROCEDURE [s1: STRING, s2: STRING] RETURNS [BOOLEAN]
 EqualStrings: [StringDefs] PROCEDURE [s1: STRING, s2: STRING] RETURNS [BOOLEAN]
 EqualStrings: [Strings] PROCEDURE [s1: STRING, s2: STRING] RETURNS [BOOLEAN]
 EqualSubString: [StringDefs] PROCEDURE [s1: SubString, s2: SubString] RETURNS [BOOLEAN]
 EqualSubString: [Strings] PROCEDURE [s1: SubString, s2: SubString] RETURNS [BOOLEAN]
 EqualSubStrings: [StringDefs] PROCEDURE [s1: SubString, s2: SubString] RETURNS [BOOLEAN]
 EqualSubStrings: [Strings] PROCEDURE [s1: SubString, s2: SubString] RETURNS [BOOLEAN]
 EquivalentString: [StringDefs] PROCEDURE [s1: STRING, s2: STRING] RETURNS [BOOLEAN]
 EquivalentString: [Strings] PROCEDURE [s1: STRING, s2: STRING] RETURNS [BOOLEAN]
 EquivalentStrings: [StringDefs] PROCEDURE [s1: STRING, s2: STRING] RETURNS [BOOLEAN]
 EquivalentStrings: [Strings] PROCEDURE [s1: STRING, s2: STRING] RETURNS [BOOLEAN]
 EquivalentSubString: [StringDefs] PROCEDURE [s1: SubString, s2: SubString] RETURNS [BOOLEAN]
 EquivalentSubString: [Strings] PROCEDURE [s1: SubString, s2: SubString] RETURNS [BOOLEAN]
 EquivalentSubStrings: [StringDefs] PROCEDURE [s1: SubString, s2: SubString] RETURNS [BOOLEAN]
 EquivalentSubStrings: [Strings] PROCEDURE [s1: SubString, s2: SubString] RETURNS [BOOLEAN]
 EquivalentVersions: [BcdMerge] PROCEDURE [v1: POINTER TO VersionStamp, v2: POINTER TO VersionStamp]
 RETURNS [BOOLEAN]
 EraseTable: [Allocator] PROCEDURE
 EraseTable: [TableDefs] PROCEDURE
 ErrorTab: [BinaryDefs] PROGRAM
 ESC: [IODefs] CHARACTER=33C
 ESVExtension: [CoreSwapDefs] TYPE=MACHINE DEPENDENT RECORD[SELECT OVERLAID * FROM loadstate =>
 [loadstate: POINTER], either => [fill: [0..7777B], type: DebuggeeType, notMesa40: BOOLEAN] ENDCASE]
 Exit: [ProcessDefs] PROCEDURE [POINTER TO MONITORLOCK]
 ExpandFilename: [DirectoryDefs] PROCEDURE [name: STRING, filename: STRING]
 ExpandFilename: [Directory] PROCEDURE [name: STRING, filename: STRING]
 ExpandTable: [BcdMerge] PROCEDURE
 EXPHandle: [BcdDefs] TYPE=POINTER TO EXPRecord
 EXPIndex: [BcdDefs] TYPE=POINTER[0..37777B] TO EXPRecord
 EXPNull: [BcdDefs] EXPIndex
 EXPRecord: [BcdDefs] TYPE=RECORD[name: NameRecord, size: CARDINAL, port: Portable, namedinstance:
 BOOLEAN, file: FTIndex, links: ARRAY [0..0] OF ControlLink]
 exptype: [BcdDefs] TableSelector=6
 extb: [SymbolTable] TableBase
 ExternalStateVector: [CoreSwapDefs] TYPE=MACHINE DEPENDENT RECORD[state: SVPointer, reason:
 SwapReason, level: [0..7777B], tables: POINTER, drumFile: POINTER, parameter: POINTER TO
 DebugParameter, extension: ESVExtension, loadstateCFA: CFA, lpages: CARDINAL, mapLog: LONG
 POINTER, mds: CARDINAL, fill: ARRAY [16..18] OF WORD]
 FA: [AltoFileDefs] TYPE=MACHINE DEPENDENT RECORD[da: vDA, page: CARDINAL, byte: CARDINAL]
 FAptr: [RectangleDefs] TYPE=POINTER TO fontarray
 FCD: [RectangleDefs] TYPE=MACHINE DEPENDENT RECORD[widthOExt: [0..77777B], HasNoExtension: BOOLEAN,
 height: [0..255], displacement: [0..255]]
 FCDptr: [RectangleDefs] TYPE=POINTER TO FCD
 FetchHandle: [DebugFTPDefs] TYPE=POINTER TO FetchObject
 FetchObject: [DebugFTPDefs] TYPE=RECORD[ConnectToHost: PROCEDURE [host: STRING, directory: STRING],
 CloseConnection: PROCEDURE, ListFiles: PROCEDURE [designator: STRING], LoadFiles: PROCEDURE

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[filename: STRING], StoreFile: PROCEDURE [filename: STRING], DumpFiles: PROCEDURE [filename:
STRING], RetrieveFile: PROCEDURE [filename: STRING], Chat: PROCEDURE]
FF: [IODefs] CHARACTER=14C
fgHeader: [SymDefs] TYPE=RECORD[fgoffset: WordOffset, fglength: CARDINAL, sourcefile: StringBody]
fgTable: [SymbolTable] DESCRIPTOR FOR ARRAY CARDINAL OF FGEntry
FGEntry: [SymDefs] TYPE=RECORD[findex: ByteIndex, cindex: ByteIndex]
FH: [AltoFileDefs] TYPE=RECORD[da: vDA, page: PageNumber]
FHptr: [RectangleDefs] TYPE=POINTER TO FontHeader
FI: [AltoFileDefs] TYPE=RECORD[page: PageNumber, byte: CARDINAL]
FID: [DiskDefs] TYPE=MACHINE DEPENDENT RECORD[version: CARDINAL, serial: SN]
FieldDescriptor: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[offset: BYTE, posn: [0..16], size:
[1..16]]
FileAccessError: [Files] SIGNAL [file: FileHandle]
FileAccessError: [SegmentDefs] SIGNAL [file: FileHandle]
FileError: [Files] SIGNAL [file: FileHandle]
FileError: [SegmentDefs] SIGNAL [file: FileHandle]
FileHandle: [LoaderUtilityDefs] TYPE=FileHandle
FileHandle: [MIUtilityDefs] TYPE=FileHandle
FileHandle: [SegmentDefs] TYPE=POINTER TO FileObject Object
FileHandle: [WindowDefs] TYPE=FileHandle
FileHandleFromTable: [LoaderUtilities] PROCEDURE [filename: FIIndex] RETURNS [file: FileHandle]
FileHandleFromTable: [LoaderUtilityDefs] PROCEDURE [filename: FIIndex] RETURNS [file: FileHandle]
FileHint: [SegmentDefs] TYPE=FH
FileIndex: [SegmentDefs] TYPE=FI
FileIndex: [SymDefs] TYPE=[0..7777B]
FileLength: [StreamDefs] PROCEDURE [stream: StreamHandle] RETURNS [StreamIndex]
FileLength: [StreamsB] PROCEDURE [stream: StreamHandle] RETURNS [StreamIndex]
FilenameChars: [AltoFileDefs] INTEGER=39
FileNameError: [Files] SIGNAL [name: STRING]
FileNameError: [SegmentDefs] SIGNAL [name: STRING]
FilenameWords: [AltoFileDefs] INTEGER=20
FileNotFound: [LoaderUtilities] SIGNAL [name: STRING] RETURNS [file: FileHandle]
FileNotFound: [LoaderUtilityDefs] SIGNAL [name: STRING] RETURNS [file: FileHandle]
FileObject: [SegmentDefs] TYPE=file Object
FileRequest: [ImageDefs] TYPE=MACHINE DEPENDENT RECORD[link: POINTER TO FileRequest, file: FileHandle,
access: AccessOptions, body: SELECT tag: * FROM short => [fill: [0..7777B], name: STRING], long =>
[fill: [0..7777B], name: SubStringDescriptor] ENDCASE]
FileRequest: [MIUtilityDefs] TYPE=FileRequest
files: [LoaderUtilities] FileTable
Files: [NucleusDefs] PROGRAM
FileSegmentAddress: [SegmentDefs] PROCEDURE [seg: FileSegmentHandle] RETURNS [POINTER]
FileSegmentAddress: [Segments] PROCEDURE [seg: FileSegmentHandle] RETURNS [POINTER]
FileSegmentClass: [SegmentDefs] TYPE={code, other}
FileSegmentHandle: [FrameDefs] TYPE=FileSegmentHandle
FileSegmentHandle: [LoaderDefs] TYPE=FileSegmentHandle
FileSegmentHandle: [LoaderUtilityDefs] TYPE=FileSegmentHandle
FileSegmentHandle: [LoadStateDefs] TYPE=FileSegmentHandle
FileSegmentHandle: [MIUtilityDefs] TYPE=FileSegmentHandle
FileSegmentHandle: [RectangleDefs] TYPE=FileSegmentHandle
FileSegmentHandle: [SegmentDefs] TYPE=POINTER TO FileSegmentObject segment Object
FileSegmentObject: [SegmentDefs] TYPE=file segment Object
FileTable: [LoaderUtilityDefs] TYPE=POINTER TO FileTableObject
FileTableObject: [LoaderUtilityDefs] TYPE=RECORD[file: FIIndex, ext: BOOLEAN, filehandle: FileHandle,
link: FileTable]
fillctxse: [SymTabDefs] PROCEDURE [ISEIndex, HTIndex, BOOLEAN]
FillInCAs: [MakeImageUtilities] PROCEDURE [Image: POINTER TO ImageHeader, mapindex: CARDINAL, ca:
POINTER]
FillInCAs: [MIUtilityDefs] PROCEDURE [Image: POINTER TO ImageHeader, mapindex: CARDINAL, ca: POINTER]
fillinDA: [AltoFileDefs] vDA
FinalizeMerge: [BcdMergeDefs] PROCEDURE
FinalizeMerge: [BcdMerge] PROCEDURE
FinalizeUtilities: [LoaderUtilities] PROCEDURE
FinalizeUtilities: [LoaderUtilityDefs] PROCEDURE
FindCodeSegment: [LoaderUtilities] PROCEDURE [loadee: BcdBase, mth: MTHandle, frame:
GlobalFrameHandle] RETURNS [seg: FileSegmentHandle]
FindCodeSegment: [LoaderUtilityDefs] PROCEDURE [loadee: BcdBase, mth: MTHandle, frame:
GlobalFrameHandle] RETURNS [seg: FileSegmentHandle]
FindDisplayWindow: [WindowDefs] PROCEDURE [x: xCoord, y: yCoord] RETURNS [WindowHandle, xCoord,
yCoord]
FindDisplayWindow: [WindowsA] PROCEDURE [x: xCoord, y: yCoord] RETURNS [WindowHandle, xCoord, yCoord]
FindEquivalentString: [BcdTabDefs] PROCEDURE [SubString] RETURNS [found: BOOLEAN, hti: HTIndex]
FindEquivalentString: [BcdTab] PROCEDURE [s: SubString] RETURNS [found: BOOLEAN, hti: HTIndex]

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FindFile: [Files] PROCEDURE [fp: POINTER TO FP] RETURNS [FileHandle]
 FindFile: [SegmentDefs] PROCEDURE [fp: POINTER TO FP] RETURNS [FileHandle]
 FindFileName: [LoaderUtilities] PROCEDURE [name: SubString, ext: BOOLEAN] RETURNS [found: BOOLEAN, file: FileTable]
 FindFileName: [LoaderUtilityDefs] PROCEDURE [name: SubString, ext: BOOLEAN] RETURNS [found: BOOLEAN, file: FileTable]
 FindFrameIndex: [LoaderUtilities] PROCEDURE [mth: MTHandle, framelinks: BOOLEAN] RETURNS [fsi: CARDINAL]
 FindFrameIndex: [LoaderUtilityDefs] PROCEDURE [mth: MTHandle, framelinks: BOOLEAN] RETURNS [fsi: CARDINAL]
 FindName: [LoaderBcdUtilDefs] PROCEDURE [bcd: BcdBase, owner: Namee] RETURNS [name: NameRecord]
 FindName: [LoaderBcdUtilities] PROCEDURE [bcd: BcdBase, owner: Namee] RETURNS [name: NameRecord]
 FindSegHint: [BootDefs] PROCEDURE [seg: FileSegmentHandle]
 FindSegHint: [Segments] PROCEDURE [seg: FileSegmentHandle]
 FindString: [BcdTabDefs] PROCEDURE [SubString] RETURNS [found: BOOLEAN, hti: HTIndex]
 FindString: [BcdTab] PROCEDURE [s: SubString] RETURNS [found: BOOLEAN, hti: HTIndex]
 FindString: [SymbolTable] PROCEDURE [s: SubString] RETURNS [hti: HTIndex]
 FindString: [SymTabDefs] PROCEDURE [SubString] RETURNS [HTIndex]
 FIP: [AltoFileDefs] TYPE=MACHINE DEPENDENT RECORD[type: BYTE, length: BYTE]
 FirstCtxSe: [SymbolTable] PROCEDURE [ctx: CTXIndex] RETURNS [ISEIndex]
 FirstCtxSe: [SymTabDefs] PROCEDURE [CTXIndex] RETURNS [ISEIndex]
 firstvisible: [SymTabDefs] PROCEDURE [CTXIndex] RETURNS [ISEIndex]
 FL1: [KeyDefs] KeyName
 FL2: [KeyDefs] KeyName
 FlushLargeFrames: [FrameDefs] PROCEDURE
 FlushLargeFrames: [Resident] PROCEDURE
 FnField: [SymbolTable] PROCEDURE [field: ISEIndex] RETURNS [offset: BitAddress, size: CARDINAL]
 FnField: [SymTabDefs] PROCEDURE [ISEIndex] RETURNS [offset: BitAddress, size: CARDINAL]
 FONT: [RectangleDefs] TYPE=MACHINE DEPENDENT RECORD[FHeader: FontHeader, FCDptrs: fontarray, ExtFCDptrs: fontarray]
 font: [SystemDisplay] FontHandle
 fontarray: [RectangleDefs] TYPE=ARRAY [0..255] OF FCDptr
 FontHandle: [FontDefs] TYPE=POINTER TO FontObject
 FontHeader: [RectangleDefs] TYPE=MACHINE DEPENDENT RECORD[MaxHeight: CARDINAL, VariableWidth: [0..1], blank: [0..127], MaxWidth: [0..255]]
 FontObject: [FontDefs] TYPE=RECORD[paintChar: PROCEDURE [FontHandle, CHARACTER, POINTER TO BitmapState], clearChar: PROCEDURE [FontHandle, CHARACTER, POINTER TO BitmapState], charWidth: PROCEDURE [FontHandle, CHARACTER] RETURNS [CARDINAL], charHeight: PROCEDURE [FontHandle, CHARACTER] RETURNS [CARDINAL], close: PROCEDURE [FontHandle], destroy: PROCEDURE [FontHandle], lock: PROCEDURE [FontHandle] RETURNS [POINTER], unlock: PROCEDURE [FontHandle]]
 FOpCodeNames: [BinaryDefs] PROGRAM
 Fork: [ProcessDefs] PROCEDURE [UNSPECIFIED] RETURNS [ProcessHandle]
 Fork: [Process] PROCEDURE [root: UNSPECIFIED] RETURNS [ProcessHandle]
 FP: [AltoFileDefs] TYPE=RECORD[serial: SN, leaderDA: vDA]
 FP: [MIUtilityDefs] TYPE=FP
 Fptr: [RectangleDefs] TYPE=POINTER TO FONT
 FR1: [KeyDefs] KeyName
 FR2: [KeyDefs] KeyName
 FR3: [KeyDefs] KeyName
 FR4: [KeyDefs] KeyName
 Frame: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[accesslink: GlobalFrameHandle, pc: WordPC, returnlink: ControlLink, extensions: SELECT OVERLAID FrameClass FROM local => [unused: UNSPECIFIED, local: ARRAY [0..0] OF UNSPECIFIED], signal => [mark: BOOLEAN, unused: [0..7777B]], catch => [unused: UNSPECIFIED, staticlink: FrameHandle, messageval: UNSPECIFIED], dying => [state: {dead, alive}, unused: [0..7777B]] ENDCASE]
 FrameClass: [ControlDefs] TYPE={global, local, signal, catch, dying}
 FrameClass: [FrameDefs] TYPE=FrameClass
 FrameCodeBase: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[SELECT OVERLAID * FROM in => [SELECT OVERLAID * FROM codebase => [codebase: POINTER], prefix => [prefix: POINTER TO CSegPrefix] ENDCASE], out => [offset: CARDINAL], either => [fill: [0..7777B], swappedout: BOOLEAN] ENDCASE]
 FrameFrag: [BcdDefs] TYPE=RECORD[length: CARDINAL, frag: ARRAY [0..0] OF ControlLink]
 FrameHandle: [ControlDefs] TYPE=POINTER TO Frame
 FrameHandle: [FrameDefs] TYPE=FrameHandle
 framelink: [ControlDefs] CARDINAL=4
 FrameSize: [FrameDefs] PROCEDURE [CARDINAL] RETURNS [CARDINAL]
 FrameSize: [Resident] PROCEDURE [fsi: CARDINAL] RETURNS [CARDINAL]
 FrameToModuleName: [DebugUsefulDefs] PROCEDURE [f: GlobalFrameHandle, s: STRING]
 FrameVec: [ControlDefs] ARRAY [0..18] OF [0..7774B]
 Free: [ControlDefs] PROCEDURE [POINTER]
 FreeAllSpace: [MakeImageUtilities] PROCEDURE
 FreeAllSpace: [MIUtilityDefs] PROCEDURE
 FreeChunk: [Allocator] PROCEDURE [i: TableIndex, size: CARDINAL]

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FreeChunk: [TableDefs] PROCEDURE [i: TableIndex, size: CARDINAL]
FreeHeapNode: [FSP] PROCEDURE [p: POINTER]
FreeHeapNode: [SystemDefs] PROCEDURE [p: POINTER]
FreeHeapString: [FSP] PROCEDURE [s: STRING]
FreeHeapString: [SystemDefs] PROCEDURE [s: STRING]
FreeNode: [FSPDefs] PROCEDURE [z: ZonePointer, p: POINTER]
FreeNode: [FSP] PROCEDURE [z: ZonePointer, p: POINTER]
FreeNodePointer: [FSPDefs] TYPE=POINTER TO free NodeHeader
FreePage: [BootDefs] SegmentHandle
FreePages: [Segments] PROCEDURE [base: POINTER]
FreePages: [SystemDefs] PROCEDURE [base: POINTER]
FreeSegment: [Segments] PROCEDURE [base: POINTER]
FreeSegment: [SystemDefs] PROCEDURE [base: POINTER]
ftb: [LoaderUtilities] CARDINAL
FTHandle: [BcdDefs] TYPE=POINTER TO FTRecord
FTIndex: [BcdDefs] TYPE=POINTER[0..37777B] TO FTRecord
FTNull: [BcdDefs] FTIndex
FTRecord: [BcdDefs] TYPE=RECORD[name: NameRecord, version: VersionStamp]
FTSelf: [BcdDefs] FTIndex
fttype: [BcdDefs] TableSelector=8
GetAllocationObject: [AllocDefs] PROCEDURE RETURNS [old: AllocHandle]
GetAllocationObject: [Swapper] PROCEDURE RETURNS [old: AllocHandle]
GetBcdFileNames: [MakeImageUtilities] PROCEDURE [nbcds: ConfigIndex] RETURNS [names: DESCRIPTOR FOR
ARRAY CARDINAL OF STRING]
GetBcdFileNames: [MIUtilityDefs] PROCEDURE [nbcds: ConfigIndex] RETURNS [names: DESCRIPTOR FOR ARRAY
CARDINAL OF STRING]
GetCB: [DiskDefs] PROCEDURE [zone: CBZptr, init: CBinit] RETURNS [cb: CBptr]
GetCB: [DiskIO] PROCEDURE [zone: CBZptr, init: CBinit] RETURNS [cb: CBptr]
GetChunk: [Allocator] PROCEDURE [size: CARDINAL] RETURNS [TableIndex]
GetChunk: [TableDefs] PROCEDURE [size: CARDINAL] RETURNS [TableIndex]
GetCurrentDisplayWindow: [WindowDefs] PROCEDURE RETURNS [WindowHandle]
GetCurrentDisplayWindow: [WindowsB] PROCEDURE RETURNS [WindowHandle]
GetCurrentKey: [KeyStreams] PROCEDURE RETURNS [KeyboardHandle]
GetCurrentKey: [StreamDefs] PROCEDURE RETURNS [KeyboardHandle]
GetDefaultBitmap: [RectangleDefs] PROCEDURE RETURNS [BMHandle]
GetDefaultBitmap: [RectanglesB] PROCEDURE RETURNS [BMHandle]
GetDefaultDisplayStream: [Display] PROCEDURE RETURNS [DisplayHandle]
GetDefaultDisplayStream: [StreamDefs] PROCEDURE RETURNS [DisplayHandle]
GetDefaultDisplayStream: [SystemDisplay] PROCEDURE RETURNS [DisplayHandle]
GetDefaultFont: [RectangleDefs] PROCEDURE RETURNS [FAptr, CARDINAL]
GetDefaultFont: [RectanglesA] PROCEDURE RETURNS [FAptr, CARDINAL]
GetDefaultKey: [KeyStreams] PROCEDURE RETURNS [KeyboardHandle]
GetDefaultKey: [StreamDefs] PROCEDURE RETURNS [KeyboardHandle]
GetDisk: [DiskDefs] PROCEDURE RETURNS [POINTER TO DISK]
GetDisk: [DiskIO] PROCEDURE RETURNS [POINTER TO DISK]
GetDisplayStreamList: [Display] PROCEDURE RETURNS [DisplayHandle]
GetDisplayStreamList: [StreamDefs] PROCEDURE RETURNS [DisplayHandle]
GetDummyGfi: [BcdMerge] PROCEDURE [n: CARDINAL] RETURNS [gfi: GFTIndex]
GetEndOfFile: [Files] PROCEDURE [file: FileHandle] RETURNS [page: PageNumber, byte: CARDINAL]
GetEndOfFile: [SegmentDefs] PROCEDURE [file: FileHandle] RETURNS [page: PageNumber, byte: CARDINAL]
GetFA: [StreamDefs] PROCEDURE [stream: StreamHandle, fa: POINTER TO FA]
GetFA: [StreamsB] PROCEDURE [stream: StreamHandle, fa: POINTER TO FA]
GetFileAccess: [Files] PROCEDURE [file: FileHandle] RETURNS [AccessOptions]
GetFileAccess: [SegmentDefs] PROCEDURE [file: FileHandle] RETURNS [access: AccessOptions]
GetFileFP: [Files] PROCEDURE [file: FileHandle, fp: POINTER TO FP]
GetFileFP: [SegmentDefs] PROCEDURE [file: FileHandle, fp: POINTER TO FP]
GetFileLength: [Files] PROCEDURE [file: FileHandle, fa: POINTER TO FA]
GetFileLength: [SegmentDefs] PROCEDURE [file: FileHandle, fa: POINTER TO FA]
GetFileSegmentDA: [SegmentDefs] PROCEDURE [seg: FileSegmentHandle] RETURNS [vDA]
GetFileSegmentDA: [Segments] PROCEDURE [seg: FileSegmentHandle] RETURNS [vDA]
GetFont: [RectangleDefs] PROCEDURE [filename: STRING] RETURNS [FileSegmentHandle]
GetFont: [RectanglesB] PROCEDURE [filename: STRING] RETURNS [FileSegmentHandle]
GetGfi: [BcdMerge] PROCEDURE [n: CARDINAL] RETURNS [gfi: GFTIndex]
GetIndex: [StreamDefs] PROCEDURE [stream: StreamHandle] RETURNS [StreamIndex]
GetIndex: [StreamsB] PROCEDURE [stream: StreamHandle] RETURNS [StreamIndex]
GetInitialLoadState: [LoadStateDefs] PROCEDURE RETURNS [initstateseg: FileSegmentHandle]
GetInitialLoadState: [LoadState] PROCEDURE RETURNS [FileSegmentHandle]
GetInputStream: [IODefs] PROCEDURE RETURNS [StreamHandle]
GetInputStream: [StreamIO] PROCEDURE RETURNS [StreamHandle]
GetLevel: [CoreSwapDefs] PROCEDURE RETURNS [INTEGER]
GetLevel: [NonResident] PROCEDURE RETURNS [INTEGER]
GetLineTable: [WindowDefs] PROCEDURE RETURNS [POINTER]

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GetLineTable: [WindowsB] PROCEDURE RETURNS [POINTER]
 GetLoadState: [LoadStateDefs] PROCEDURE RETURNS [stateSeg: FileSegmentHandle]
 GetLoadState: [LoadState] PROCEDURE RETURNS [FileSegmentHandle]
 GetNetworkNumber: [MiscDefs] PROCEDURE RETURNS [CARDINAL]
 GetNetworkNumber: [Miscellaneous] PROCEDURE RETURNS [CARDINAL]
 GetNextDA: [BFSDefs] PROCEDURE [cb: CBptr]
 GetNextDA: [BFS] PROCEDURE [cb: CBptr]
 GetOutputStream: [IODefs] PROCEDURE RETURNS [StreamHandle]
 GetOutputStream: [StreamIO] PROCEDURE RETURNS [StreamHandle]
 GetPriority: [ProcessDefs] PROCEDURE RETURNS [Priority]
 GetPriority: [Process] PROCEDURE RETURNS [p: Priority]
 GetRetumFrame: [ControlDefs] PROCEDURE RETURNS [FrameHandle]
 GetRetumLink: [ControlDefs] PROCEDURE RETURNS [ControlLink]
 GetSelection: [Menus] PROCEDURE [w: WindowHandle] RETURNS [STRING]
 GetSelection: [WindowDefs] PROCEDURE [w: WindowHandle] RETURNS [STRING]
 GetSpace: [MakeImageUtilities] PROCEDURE [n: CARDINAL] RETURNS [p: POINTER]
 GetSpace: [MIUtilityDefs] PROCEDURE [n: CARDINAL] RETURNS [p: POINTER]
 GetString: [MakeImageUtilities] PROCEDURE [oldstring: STRING] RETURNS [newstring: STRING]
 GetString: [MIUtilityDefs] PROCEDURE [oldstring: STRING] RETURNS [newstring: STRING]
 GetSystemTable: [BootDefs] PROCEDURE RETURNS [SystemTableHandle]
 GetSystemTable: [Swapper] PROCEDURE RETURNS [SystemTableHandle]
 gfiOffset: [ControlDefs] CARDINAL=0
 GFT: [ControlDefs] POINTER TO ARRAY [0..0] OF GFTItem
 gft: [LoadState] LoadStateGFT
 GFTIndex: [BcdDefs] TYPE=GFTIndex
 GFTIndex: [ControlDefs] TYPE=[0..511]
 GFTIndex: [FrameDefs] TYPE=GFTIndex
 GFTIndex: [LoadStateDefs] TYPE=GFTIndex
 GFTItem: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[frame: GlobalFrameHandle, epbase: CARDINAL]
 GFTNull: [BcdDefs] GFTIndex=511
 GFTNull: [ControlDefs] GFTIndex=511
 globalbase: [ControlDefs] CARDINAL=3
 GlobalFrame: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[gfi: GFTIndex, unused: [0..1], copied: BOOLEAN, allocated: BOOLEAN, shared: BOOLEAN, started: BOOLEAN, trapxfers: BOOLEAN, codeLinks: BOOLEAN, code: FrameCodeBase, codeSegment: FileSegmentHandle, global: ARRAY [0..0] OF UNSPECIFIED]
 GlobalFrame: [FrameDefs] PROCEDURE [link: UNSPECIFIED] RETURNS [GlobalFrameHandle]
 GlobalFrame: [NonResident] PROCEDURE [link: UNSPECIFIED] RETURNS [GlobalFrameHandle]
 GlobalFrameHandle: [BcdMergeDefs] TYPE=GlobalFrameHandle
 GlobalFrameHandle: [BcdMerge] TYPE=GlobalFrameHandle
 GlobalFrameHandle: [ControlDefs] TYPE=POINTER TO GlobalFrame
 GlobalFrameHandle: [FrameDefs] TYPE=GlobalFrameHandle
 GlobalFrameHandle: [LoaderDefs] TYPE=GlobalFrameHandle
 GlobalFrameHandle: [LoaderUtilityDefs] TYPE=GlobalFrameHandle
 GlobalFrameHandle: [MIUtilityDefs] TYPE=GlobalFrameHandle
 globalslots: [ControlDefs] CARDINAL=8
 GrayArray: [RectangleDefs] TYPE=ARRAY [0..3] OF WORD
 GrayPtr: [RectangleDefs] TYPE=POINTER TO GrayArray
 Greg: [ControlDefs] CARDINAL=254
 GrEqualIndex: [StreamDefs] PROCEDURE [i1: StreamIndex, i2: StreamIndex] RETURNS [BOOLEAN]
 GrEqualIndex: [StreamsB] PROCEDURE [i1: StreamIndex, i2: StreamIndex] RETURNS [BOOLEAN]
 GrIndex: [StreamDefs] PROCEDURE [i1: StreamIndex, i2: StreamIndex] RETURNS [BOOLEAN]
 GrIndex: [StreamsB] PROCEDURE [i1: StreamIndex, i2: StreamIndex] RETURNS [BOOLEAN]
 GrowRectangle: [RectangleDefs] PROCEDURE [rectangle: Rptr, width: xCoord, height: yCoord]
 GrowRectangle: [RectanglesA] PROCEDURE [rectangle: Rptr, width: xCoord, height: yCoord]
 HardwareTime: [TimeDefs] TYPE=MACHINE DEPENDENT RECORD[high: PRIVATE CARDINAL, low: PRIVATE CARDINAL]
 hashblock: [SymTabDefs] PROCEDURE RETURNS [base: POINTER, length: CARDINAL]
 HashValue: [SymbolTable] PROCEDURE [s: SubString] RETURNS [HVIndex]
 HashValue: [SymTabDefs] PROCEDURE [SubString] RETURNS [HVIndex]
 hashVec: [SymbolTable] DESCRIPTOR FOR ARRAY CARDINAL OF HTIndex
 HeapZone: [FSP] PROCEDURE RETURNS [ZonePointer]
 HeapZone: [SystemDefs] PROCEDURE RETURNS [ZonePointer]
 ht: [SymbolTable] DESCRIPTOR FOR ARRAY CARDINAL OF HTRRecord
 HtiName: [BcdMerge] PROCEDURE [n: NameRecord] RETURNS [HTIndex]
 HTIndex: [BcdMerge] TYPE=HTIndex
 HTIndex: [BcdTabDefs] TYPE=[0..37777B]
 HTIndex: [SymDefs] TYPE=CARDINAL[0..17777B]
 HTNull: [BcdTabDefs] HTIndex=0
 HTNull: [SymDefs] HTIndex=0
 HTRRecord: [BcdTabDefs] TYPE=RECORD[link: HTIndex, offset: CARDINAL]
 HTRRecord: [SymDefs] TYPE=RECORD[anyInternal: BOOLEAN, anyPublic: BOOLEAN, link: HTIndex, ssIndex: CARDINAL]
 httype: [BcdDefs] TableSelector=1

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hType: [SymDefs] TableSelector=2
HVIndex: [BcdTabDefs] TYPE=[0..70]
HVIndex: [SymDefs] TYPE=CARDINAL[0..70]
ICBTIndex: [SymDefs] TYPE=POINTER[0..37777B] TO Inner Callable BodyRecord
IllegalSymbolBase: [SymbolCache] SIGNAL [base: SymbolTableBase]
IllegalSymbolBase: [SymbolTableDefs] SIGNAL [base: SymbolTableBase]
ImageVersion: [ImageDefs] PROCEDURE RETURNS [VersionStamp]
ImageVersion: [Miscellaneous] PROCEDURE RETURNS [version: VersionStamp]
IMPHandle: [BcdDefs] TYPE=POINTER TO IMPRecord
IMPIndex: [BcdDefs] TYPE=POINTER[0..37777B] TO IMPRecord
IMPNull: [BcdDefs] IMPIndex
ImportBindingLink: [LoaderUtilityDefs] TYPE=RECORD[whichgfi: [0..3], body: SELECT type: * FROM
    interface => [eti: EXPIndex], module => [mti: MTIndex], notbound => NULL ENDCASE]
IMPRecord: [BcdDefs] TYPE=RECORD[name: NameRecord, port: Portable, namedinstance: BOOLEAN, file:
    FTIndex, gfi: GFTIndex, ngfi: [1..4]]
imptype: [BcdDefs] TableSelector=5
includedCTXIndex: [SymDefs] TYPE=ORDERED POINTER[0..37777B] TO included CTXRecord
includedCTXNull: [SymDefs] includedCTXIndex
InitDisplay: [DisplayDefs] PROCEDURE [dummySize: CARDINAL, textLines: CARDINAL, nPages: CARDINAL, f:
    FontHandle]
InitDisplay: [SystemDisplay] PROCEDURE [dummySize: CARDINAL, textLines: CARDINAL, nPages: CARDINAL, f:
    FontHandle]
InitFileRequest: [MakeImageUtilities] PROCEDURE
InitFileRequest: [MIUtilityDefs] PROCEDURE
InitializeCBStorage: [DiskDefs] PROCEDURE [zone: CBZptr, nCBs: CARDINAL, page: PageNumber, init:
    CBinit]
InitializeCBStorage: [DiskIO] PROCEDURE [zone: CBZptr, nCBs: CARDINAL, page: PageNumber, init: CBinit]
InitializeCondition: [ProcessDefs] PROCEDURE [condition: POINTER TO CONDITION, ticks: CARDINAL]
InitializeCondition: [Process] PROCEDURE [condition: POINTER TO CONDITION, ticks: CARDINAL]
InitializeDiskKD: [DiskKDDefs] PROCEDURE
InitializeDiskKD: [DiskKD] PROCEDURE
InitializeMerge: [BcdMergeDefs] PROCEDURE [sizeoftable: CARDINAL, lastrealgfi: GFTIndex]
InitializeMerge: [BcdMerge] PROCEDURE [sizeoftable: CARDINAL, lastrealgfi: GFTIndex]
InitializeMonitor: [ProcessDefs] PROCEDURE [monitor: POINTER TO MONITORLOCK]
InitializeMonitor: [Process] PROCEDURE [monitor: POINTER TO MONITORLOCK]
InitializeRelocation: [LoadStateDefs] PROCEDURE [config: ConfigIndex] RETURNS [rel: Relocation]
InitializeRelocation: [LoadState] PROCEDURE [config: ConfigIndex] RETURNS [rel: Relocation]
InitializeTable: [Allocator] PROCEDURE [region: Region, divisions: CARDINAL]
InitializeTable: [TableDefs] PROCEDURE [region: Region, divisions: CARDINAL]
InitializeUtilities: [LoaderUtilities] PROCEDURE [bcd: BcdBase]
InitializeUtilities: [LoaderUtilityDefs] PROCEDURE [bcd: BcdBase]
InitImportBinding: [LoaderUtilities] PROCEDURE [size: CARDINAL] RETURNS [binding: Binding]
InitImportBinding: [LoaderUtilityDefs] PROCEDURE [size: CARDINAL] RETURNS [binding: Binding]
InitLoadStateGFT: [MakeImageUtilities] PROCEDURE [initgft: LoadStateGFT, merge: BOOLEAN, nbcds:
    ConfigIndex]
InitLoadStateGFT: [MIUtilityDefs] PROCEDURE [initgft: LoadStateGFT, merge: BOOLEAN, nbcds:
    ConfigIndex]
InitLoadStateObject: [LoadState] PROCEDURE
InitSpace: [MakeImageUtilities] PROCEDURE
InitSpace: [MIUtilityDefs] PROCEDURE
Input: [StreamIO] StreamHandle
InputBufferEmpty: [Keyboard] PROCEDURE [stream: StreamHandle] RETURNS [empty: BOOLEAN]
InputLoadState: [LoadStateDefs] PROCEDURE RETURNS [nbcds: ConfigIndex]
InputLoadState: [LoadState] PROCEDURE RETURNS [ConfigIndex]
InsertFile: [Files] PROCEDURE [fp: POINTER TO FP, access: AccessOptions] RETURNS [file: FileHandle]
InsertFile: [SegmentDefs] PROCEDURE [fp: POINTER TO FP, access: AccessOptions] RETURNS [FileHandle]
InsertFileLength: [Files] PROCEDURE [file: FileHandle, fa: POINTER TO FA]
InsertFileLength: [SegmentDefs] PROCEDURE [file: FileHandle, fa: POINTER TO FA]
InstWord: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[oddbyte: BYTE, evenbyte: BYTE]
InsufficientVM: [SegmentDefs] SIGNAL [needed: PageCount]
InsufficientVM: [Swapper] SIGNAL [needed: PageCount]
InterruptLevel: [ProcessDefs] TYPE=[0..15]
InvalidBcd: [LoaderDefs] ERROR [bcdfile: FileHandle]
InvalidBcd: [Loader] ERROR [bcdfile: FileHandle]
InvalidDA: [DiskDefs] DA
InvalidFile: [LoaderDefs] ERROR [name: STRING]
InvalidFile: [Loader] ERROR [name: STRING]
InvalidFP: [SegmentDefs] SIGNAL [fp: POINTER TO FP]
InvalidFP: [Segments] SIGNAL [fp: POINTER TO FP]
InvalidGlobalFrame: [FrameDefs] SIGNAL [frame: GlobalFrameHandle]
InvalidGlobalFrame: [NonResident] SIGNAL [frame: GlobalFrameHandle]
InvalidImage: [ImageDefs] SIGNAL

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InvalidImage: [RunImage] SIGNAL
 InvalidImageName: [ImageDefs] SIGNAL
 InvalidImageName: [MakeImage] SIGNAL
 InvalidNode: [FSPDefs] ERROR [POINTER]
 InvalidNode: [FSP] ERROR [POINTER]
 InvalidNumber: [StringDefs] SIGNAL
 InvalidNumber: [Strings] SIGNAL
 InvalidObject: [BootDefs] SIGNAL [object: POINTER]
 InvalidObject: [Swapper] SIGNAL [object: POINTER]
 InvalidProcess: [ProcessDefs] SIGNAL [process: ProcessHandle]
 InvalidProcess: [Process] SIGNAL [process: ProcessHandle]
 InvalidSegmentSize: [SegmentDefs] SIGNAL [pages: PageCount]
 InvalidSegmentSize: [Segments] SIGNAL [pages: PageCount]
 InvalidTime: [TimeConvert] ERROR
 InvalidTime: [TimeDefs] ERROR
 InvalidZone: [FSPDefs] ERROR [POINTER]
 InvalidZone: [FSP] ERROR [POINTER]
 InvertBoxInRectangle: [RectangleDefs] PROCEDURE [rectangle: Rptr, x0: xCoord, width: xCoord, y0: yCoord, height: yCoord]
 InvertBoxInRectangle: [RectanglesA] PROCEDURE [rectangle: Rptr, x0: xCoord, width: xCoord, y0: yCoord, height: yCoord]
 ISEIndex: [SymDefs] TYPE=POINTER[0..37777B] TO id SERecord
 ISENull: [SymDefs] ISEIndex
 IsModuleBound: [LoaderUtilities] PROCEDURE [mth: MTHandle] RETURNS [BOOLEAN]
 IsModuleBound: [LoaderUtilityDefs] PROCEDURE [mth: MTHandle] RETURNS [BOOLEAN]
 IsRectangleVisible: [RectangleDefs] PROCEDURE [rectangle: Rptr] RETURNS [BOOLEAN]
 Join: [ProcessDefs] PROCEDURE [ProcessHandle] RETURNS [FrameHandle]
 Join: [Process] PROCEDURE [process: UNSPECIFIED] RETURNS [FrameHandle]
 JumpToFA: [StreamDefs] PROCEDURE [stream: StreamHandle, fa: POINTER TO FA]
 JumpToFA: [StreamsB] PROCEDURE [stream: StreamHandle, fa: POINTER TO FA]
 JumpToPage: [SegmentDefs] PROCEDURE [cfa: POINTER TO CFA, page: PageNumber, buf: POINTER] RETURNS [prev: vDA, next: vDA]
 JumpToPage: [Segments] PROCEDURE [cfa: POINTER TO CFA, page: PageNumber, buf: POINTER] RETURNS [prev: vDA, next: vDA]
 KD: [AltoFileDefs] TYPE=MACHINE DEPENDENT RECORD[disk: DISK, lastSN: SN, changed: WORD, size: CARDINAL, versions: CARDINAL, freePages: CARDINAL, blank: ARRAY [0..5] OF UNSPECIFIED, table: ARRAY [0..0] OF WORD]
 KDSegment: [MakeImageUtilities] PROCEDURE RETURNS [FileSegmentHandle]
 KDSegment: [MIUtilityDefs] PROCEDURE RETURNS [FileSegmentHandle]
 KeyArray: [KeyDefs] TYPE=ARRAY [0..4] OF WORD
 KeyBits: [KeyDefs] TYPE=MACHINE DEPENDENT RECORD[blank: [0..255], Keyset1: updown, Keyset2: updown, Keyset3: updown, Keyset4: updown, Keyset5: updown, Red: updown, Blue: updown, Yellow: updown, Five: updown, Four: updown, Six: updown, E: updown, Seven: updown, D: updown, U: updown, V: updown, Zero: updown, K: updown, Dash: updown, P: updown, Slash: updown, BackSlash: updown, LF: updown, BS: updown, Three: updown, Two: updown, W: updown, Q: updown, S: updown, A: updown, Nine: updown, I: updown, X: updown, O: updown, L: updown, Comma: updown, Quote: updown, RightBracket: updown, Spare2: updown, Spare1: updown, One: updown, ESC: updown, TAB: updown, F: updown, Ctrl: updown, C: updown, J: updown, B: updown, Z: updown, LeftShift: updown, Period: updown, SemiColon: updown, Return: updown, Arrow: updown, DEL: updown, FL3: updown, R: updown, T: updown, G: updown, Y: updown, H: updown, Eight: updown, N: updown, M: updown, Lock: updown, Space: updown, LeftBracket: updown, Equal: updown, RightShift: updown, Spare3: updown, FL4: updown, FR5: updown]
 Keyboard: [KeyDefs] PROGRAM
 KeyboardHandle: [StreamDefs] TYPE=POINTER TO Keyboard StreamObject
 KeyboardPriority: [Keyboard] Priority=6
 KeyItem: [KeyDefs] TYPE=RECORD[Letter: BOOLEAN, ShiftCode: [0..127], NormalCode: [0..255]]
 KeyName: [KeyDefs] TYPE={x0, x1, x2, x3, x4, x5, x6, x7, Keyset1, Keyset2, Keyset3, Keyset4, Keyset5, Red, Blue, Yellow, Five, Four, Six, E, Seven, D, U, V, Zero, K, Dash, P, Slash, BackSlash, LF, BS, Three, Two, W, Q, S, A, Nine, I, X, O, L, Comma, Quote, RightBracket, Spare2, Spare1, One, ESC, TAB, F, Ctrl, C, J, B, Z, LeftShift, Period, SemiColon, Return, Arrow, DEL, FL3, R, T, G, Y, H, Eight, N, M, Lock, Space, LeftBracket, Equal, RightShift, Spare3, FL4, FR5}
 Keys: [Keyboard] POINTER TO KeyArray
 Keys: [KeyDefs] POINTER TO KeyBits
 KeyStreams: [KeyDefs] PROGRAM
 KeyStreams: [StreamDefs] PROGRAM
 KeyTable: [Keyboard] POINTER TO ARRAY [0..79] OF KeyItem
 ks: [Keyboard] KeyboardHandle
 KS: [KeyStreams] Keyboard StreamObject
 LargeReturnSlot: [ControlDefs] CARDINAL=20
 LastCharIsDot: [LoaderUtilities] PROCEDURE [name: SubString] RETURNS [BOOLEAN]
 ICBZ: [DiskDefs] CARDINAL=76
 LD: [AltoFileDefs] TYPE=MACHINE DEPENDENT RECORD[created: TIME, written: TIME, read: TIME, name: ARRAY [0..19] OF UNSPECIFIED, props: ARRAY [0..209] OF UNSPECIFIED, spare: ARRAY [0..9] OF UNSPECIFIED,

propBegin: BYTE, propLength: BYTE, consecutive: BOOLEAN, blank: [0..127], newSN: BYTE, dirFP: CFP,
 eofFA: FA]

LDIVMOD: [InlineDefs] PROCEDURE [numlow: WORD, numhigh: CARDINAL, den: CARDINAL] RETURNS [quotient:
 CARDINAL, remainder: CARDINAL]

leftmargin: [RectangleDefs] CARDINAL=10

LengthHandle: [SegmentDefs] TYPE=POINTER TO LengthObject Object

LengthObject: [SegmentDefs] TYPE=length Object

LF: [IODefs] CHARACTER=12C

IG: [SymDefs] ContextLevel=1

LiberateObject: [BootDefs] PROCEDURE [ObjectHandle]

LiberateObject: [Swapper] PROCEDURE [object: ObjectHandle]

LineOverflow: [IODefs] SIGNAL [s: STRING] RETURNS [ns: STRING]

LineOverflow: [StreamIO] SIGNAL [s: STRING] RETURNS [ns: STRING]

link: [SymbolTable] SymbolTableBase

LinkageFault: [NonResident] ERROR

LinkageFault: [TrapDefs] ERROR

LinkLocation: [BcdDefs] TYPE={frame, code}

IL: [SymDefs] ContextLevel=2

Load: [LoaderDefs] PROCEDURE [name: STRING] RETURNS [FileSegmentHandle]

Load: [Loader] PROCEDURE [name: STRING] RETURNS [FileSegmentHandle]

LoadBcd: [LoaderDefs] PROCEDURE [bcdfile: FileHandle] RETURNS [bcdseg: FileSegmentHandle]

LoadBcd: [Loader] PROCEDURE [bcdfile: FileHandle] RETURNS [bcdseg: FileSegmentHandle]

loader: [LoaderUtilities] BcdBase

Loader: [LoaderDefs] PROGRAM

LoaderError: [LoaderDefs] SIGNAL [error: LoaderErrorType]

LoaderError: [Loader] SIGNAL [error: LoaderErrorType]

LoaderErrorType: [LoaderDefs] TYPE={BcdAlreadyLoaded, InvalidBcd, FileTableError, BcdWillNotFit,
 LoadStateNotFound, LoadStateWillNotFit, Impossible}

LoadFont: [RectangleDefs] PROCEDURE [segment: FileSegmentHandle] RETURNS [p: Fptr]

LoadFont: [RectanglesB] PROCEDURE [segment: FileSegmentHandle] RETURNS [Fptr]

LoadState: [LoadStateDefs] TYPE=POINTER TO LoadStateObject

loadstate: [LoadState] LoadState

LoadState: [NucleusDefs] PROGRAM [state: FileSegmentHandle, initstate: FileSegmentHandle, bcdseg:
 FileSegmentHandle]

LoadStateFull: [LoadStateDefs] ERROR

LoadStateFull: [LoadState] ERROR

LoadStateGFT: [LoadStateDefs] TYPE=DESCRIPTOR FOR ARRAY CARDINAL OF ConfigGFI

LoadStateGFT: [MIUtilityDefs] TYPE=LoadStateGFT

LoadStateObject: [LoadStateDefs] TYPE=MACHINE DEPENDENT RECORD[bcds: ARRAY [0..41] OF
 BcdAddressObject, gft: ARRAY [0..0] OF ConfigGFI]

localbase: [ControlDefs] CARDINAL=4

localslots: [ControlDefs] CARDINAL=8

LocalTimeParameters: [TimeDefs] TYPE=MACHINE DEPENDENT RECORD[direction: WestEast, zone: [0..12],
 unused1: [0..3], beginDST: [0..366], unused2: [0..1], zoneminutes: [0..59], endDST: [0..366]]

LockCode: [FrameDefs] PROCEDURE [link: UNSPECIFIED]

LockCode: [Miscellaneous] PROCEDURE [link: UNSPECIFIED]

LockCodeSegment: [MakeImageUtilities] PROCEDURE [p: ProcDesc ControlLink]

LockCodeSegment: [MIUtilityDefs] PROCEDURE [p: ProcDesc ControlLink]

LockCount: [SegmentDefs] TYPE=[0..127]

LockedEmpty: [ProcessDefs] MonitorLock

LockFile: [Files] PROCEDURE [file: FileHandle]

LockFile: [SegmentDefs] PROCEDURE [file: FileHandle]

LogBytesPerPage: [AltoDefs] CARDINAL=9

LogBytesPerWord: [AltoDefs] CARDINAL=1

LogCharsPerPage: [AltoDefs] CARDINAL=9

LogCharsPerPage: [StringDefs] CARDINAL=9

LogCharsPerWord: [AltoDefs] CARDINAL=1

LogPageSize: [AltoDefs] CARDINAL=8

LongCARDINAL: [DoubleDefs] TYPE=LongCARDINAL

LongCARDINAL: [InlineDefs] TYPE=MACHINE DEPENDENT RECORD[lowbits: CARDINAL, highbits: CARDINAL]

LongCopyRead: [DebugUsefulDefs] PROCEDURE [to: POINTER, from: LONG POINTER, nwords: CARDINAL]

LongCopyWrite: [DebugUsefulDefs] PROCEDURE [to: LONG POINTER, from: POINTER, nwords: CARDINAL]

LongDiv: [InlineDefs] PROCEDURE [num: LongCARDINAL, den: CARDINAL] RETURNS [CARDINAL]

LongDivMod: [InlineDefs] PROCEDURE [num: LongCARDINAL, den: CARDINAL] RETURNS [quotient: CARDINAL,
 remainder: CARDINAL]

LongMult: [InlineDefs] PROCEDURE [CARDINAL, CARDINAL] RETURNS [product: LongCARDINAL]

LongREAD: [DebugUsefulDefs] PROCEDURE [LONG POINTER] RETURNS [UNSPECIFIED]

LongWRITE: [DebugUsefulDefs] PROCEDURE [a: LONG POINTER, v: UNSPECIFIED]

LookupFileTable: [LoaderUtilities] PROCEDURE

LookupFileTable: [LoaderUtilityDefs] PROCEDURE

lprocslots: [ControlDefs] CARDINAL=16

Lreg: [ControlDefs] CARDINAL=253

Itb: [SymbolTable] TableBase
IZ: [SymDefs] ContextLevel=0
MainBodyIndex: [ControlDefs] CARDINAL=0
MakeCFP: [BFSDefs] PROCEDURE [cfp: POINTER TO CFP, fp: POINTER TO FP]
MakeCFP: [BFS] PROCEDURE [cfp: POINTER TO CFP, fp: POINTER TO FP]
MakeCheckPoint: [CheckPoint] PROCEDURE [name: STRING]
MakeCheckPoint: [ImageDefs] PROCEDURE [name: STRING]
MakeCodeResident: [FrameDefs] PROCEDURE [f: GlobalFrameHandle]
MakeCodeResident: [Miscellaneous] PROCEDURE [f: GlobalFrameHandle]

makectxse: [SymTabDefs] PROCEDURE [hti: HTIndex, ctx: CTXIndex] RETURNS [ISEIndex]
MakeDataSegment: [AllocDefs] PROCEDURE [base: PageNumber, pages: PageCount, info: AllocInfo] RETURNS [seg: DataSegmentHandle]
MakeDataSegment: [Swapper] PROCEDURE [base: PageNumber, pages: PageCount, info: AllocInfo] RETURNS [seg: DataSegmentHandle]
MakeFP: [BFSDefs] PROCEDURE [fp: POINTER TO FP, cfp: POINTER TO CFP]
MakeFP: [BFS] PROCEDURE [fp: POINTER TO FP, cfp: POINTER TO CFP]
MakeFsi: [FrameDefs] PROCEDURE [words: CARDINAL] RETURNS [fsi: CARDINAL]
MakeFsi: [NonResident] PROCEDURE [words: CARDINAL] RETURNS [fsi: CARDINAL]
MakeImage: [ImageDefs] PROCEDURE [name: STRING]
MakeImage: [MakeImage] PROCEDURE [name: STRING]
makenewctx: [SymTabDefs] PROCEDURE [ContextLevel] RETURNS [CTXIndex]
MakeNewExport: [BcdMerge] PROCEDURE [old: EXPHandle, eti: EXPIndex, Reloc: Relocation, initialGFT: LoadStateGFT] RETURNS [neweti: EXPIndex]
MakeNewZone: [FSPDefs] PROCEDURE [base: POINTER, length: BlockSize, deallocate: Deallocator] RETURNS [z: ZonePointer]
MakeNewZone: [FSP] PROCEDURE [base: POINTER, length: BlockSize, deallocate: Deallocator] RETURNS [z: ZonePointer]
MakeNode: [FSPDefs] PROCEDURE [z: ZonePointer, n: BlockSize] RETURNS [POINTER]
MakeNode: [FSP] PROCEDURE [z: ZonePointer, n: BlockSize] RETURNS [POINTER]
makenonctxse: [SymTabDefs] PROCEDURE [CARDINAL] RETURNS [CSEIndex]
makeSEChain: [SymTabDefs] PROCEDURE [CTXIndex, CARDINAL, BOOLEAN] RETURNS [ISEIndex]
MakeSelection: [Menus] PROCEDURE [w: WindowHandle, sel: POINTER TO Selection]
MakeSelection: [WindowDefs] PROCEDURE [w: WindowHandle, sel: POINTER TO Selection]
MakeSwappedIn: [AllocDefs] PROCEDURE [seg: FileSegmentHandle, base: PageNumber, info: AllocInfo]
MakeSwappedIn: [Swapper] PROCEDURE [seg: FileSegmentHandle, base: PageNumber, info: AllocInfo]
MakeUnMergedImage: [ImageDefs] PROCEDURE [name: STRING]
MakeUnMergedImage: [MakeImage] PROCEDURE [name: STRING]
MakeZone: [FSPDefs] PROCEDURE [base: POINTER, length: BlockSize] RETURNS [z: ZonePointer]
MakeZone: [FSP] PROCEDURE [base: POINTER, length: BlockSize] RETURNS [z: ZonePointer]
MapConfigToReal: [LoadStateDefs] PROCEDURE [cgfi: GFTIndex, config: ConfigIndex] RETURNS [rgfi: GFTIndex]
MapConfigToReal: [LoadState] PROCEDURE [cgfi: GFTIndex, config: ConfigIndex] RETURNS [rgfi: GFTIndex]
MapEquivalentName: [BcdMerge] PROCEDURE [bcd: BcdBase, n: NameRecord] RETURNS [NameRecord]
MapFileSegment: [SegmentDefs] PROCEDURE [seg: FileSegmentHandle, file: FileHandle, base: PageNumber]
MapFileSegment: [Segments] PROCEDURE [seg: FileSegmentHandle, file: FileHandle, base: PageNumber]
MapName: [BcdMerge] PROCEDURE [bcd: BcdBase, n: NameRecord] RETURNS [NameRecord]
MapRealToConfig: [LoadStateDefs] PROCEDURE [rgfi: GFTIndex] RETURNS [cgfi: GFTIndex, config: ConfigIndex]
MapRealToConfig: [LoadState] PROCEDURE [rgfi: GFTIndex] RETURNS [cgfi: GFTIndex, config: ConfigIndex]
MapVM: [BootDefs] PROCEDURE [seg: FileSegmentHandle, dc: vDC]
MapVM: [Swapper] PROCEDURE [seg: FileSegmentHandle, dc: vDC]
MarkMenuItem: [MenuDefs] PROCEDURE [menu: MenuHandle, index: INTEGER]
MarkMenuItem: [Menus] PROCEDURE [menu: MenuHandle, index: INTEGER]
MarkSelection: [Menus] PROCEDURE [w: WindowHandle]
MarkSelection: [WindowDefs] PROCEDURE [w: WindowHandle]
MaxAllocSlot: [ControlDefs] CARDINAL=19
MaxBcds: [LoadStateDefs] CARDINAL=42
maxbitsperline: [RectangleDefs] CARDINAL=608
maxcharcode: [AltoDefs] CARDINAL=255
MaxContextLevel: [SymDefs] CARDINAL=7
MaxFilePage: [AltoDefs] CARDINAL=77777B
MaxFrameSize: [ControlDefs] CARDINAL=7774B
MaxGFTSize: [ControlDefs] CARDINAL=2000B
maxinteger: [AltoDefs] INTEGER=77777B
MaxLocks: [SegmentDefs] CARDINAL=127
MaxNGfi: [ControlDefs] CARDINAL=4
MaxNLinks: [ControlDefs] CARDINAL=255
MaxPamsInStack: [ControlDefs] CARDINAL=5
MaxRefs: [SegmentDefs] CARDINAL=255
MaxSegs: [SegmentDefs] CARDINAL=177777B
MaxSmallFrameSize: [ControlDefs] CARDINAL=231
MaxVMPage: [AltoDefs] CARDINAL=255
maxword: [AltoDefs] CARDINAL=177777B
maxwordsperline: [RectangleDefs] CARDINAL=38
mdb: [SymbolTable] TableBase
MDIndex: [SymDefs] TYPE=ORDERED POINTER[0..37777B] TO MDRecord
MDNull: [SymDefs] MDIndex
MDRecord: [SymDefs] TYPE=RECORD[mdhti: HTIndex, mdctx: includedCTXIndex, mdshared: BOOLEAN, mdExported: BOOLEAN, mdStamp: VersionStamp, mdFile: FileIndex]
mdtype: [SymDefs] TableSelector=5
MenuArray: [MenuDefs] TYPE=DESCRIPTOR FOR ARRAY CARDINAL OF MenuItem

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MenuHandle: [MenuDefs] TYPE=POINTER TO MenuObject
MenuHandle: [WindowDefs] TYPE=MenuHandle
Menuitem: [MenuDefs] TYPE=RECORD[keyword: STRING, proc: PROCEDURE [UNSPECIFIED, xCoord, yCoord]]
MenuLeftMargin: [MenuDefs] CARDINAL=5
MenuObject: [MenuDefs] TYPE=RECORD[link: MenuHandle, index: INTEGER, width: xCoord, rectangle: Rptr,
  menuseg: FileSegmentHandle, dataseg: FileSegmentHandle, array: MenuArray]
MergeABcd: [MakeImageUtilities] PROCEDURE [config: ConfigIndex, initgft: LoadStateGFT, code: BOOLEAN,
  names: DESCRIPTOR FOR ARRAY CARDINAL OF STRING]
MergeABcd: [MIUtilityDefs] PROCEDURE [config: ConfigIndex, initgft: LoadStateGFT, code: BOOLEAN,
  names: DESCRIPTOR FOR ARRAY CARDINAL OF STRING]
MergeAllBcds: [MakeImageUtilities] PROCEDURE [initialgft: LoadStateGFT, code: BOOLEAN, names:
  DESCRIPTOR FOR ARRAY CARDINAL OF STRING]
MergeAllBcds: [MIUtilityDefs] PROCEDURE [initialgft: LoadStateGFT, code: BOOLEAN, names: DESCRIPTOR
  FOR ARRAY CARDINAL OF STRING]
MergeBcd: [BcdMergeDefs] PROCEDURE [mergee: BcdBase, RealFromRel: Relocation, config: ConfigIndex,
  initialGFT: LoadStateGFT, code: BOOLEAN, bcdname: STRING]
MergeBcd: [BcdMerge] PROCEDURE [mergee: BcdBase, RealFromRel: Relocation, config: ConfigIndex,
  initialGFT: LoadStateGFT, code: BOOLEAN, bcdname: STRING]
MergeConfigTable: [BcdMerge] PROCEDURE [size: CARDINAL] RETURNS [delta: CARDINAL]
MergeData: [BcdMergeDefs] TYPE=RECORD[bcd: BcdBase, mtb: TableBase, ftb: TableBase, ctb: TableBase,
  itb: TableBase, etb: TableBase, ntb: TableBase, sgb: TableBase, ssb: NameString, configOffset:
  CARDINAL, nextDummyGfi: GFTIndex, nextGfi: GFTIndex, bcdFile: FTIndex, name: STRING, table:
  CARDINAL, expandedtable: BOOLEAN, tableSegment: FileSegmentHandle, tablePages: CARDINAL, header:
  BCD]
MergeDataHandle: [BcdMergeDefs] TYPE=POINTER TO MergeData
MergedBcdSize: [BcdMergeDefs] PROCEDURE RETURNS [size: CARDINAL]
MergedBcdSize: [BcdMerge] PROCEDURE RETURNS [size: CARDINAL]
MergeExportTable: [BcdMerge] PROCEDURE [Reloc: Relocation, initialGFT: LoadStateGFT]
MergeFile: [BcdMerge] PROCEDURE [bcd: BcdBase, oldfti: FTIndex] RETURNS [fti: FTIndex]
MergeLinks: [BcdMerge] PROCEDURE [frame: GlobalFrameHandle, newmti: MTIndex, old: MTHandle,
  initialGFT: LoadStateGFT]
MergeModule: [BcdMergeDefs] PROCEDURE [frame: GlobalFrameHandle, copied: GlobalFrameHandle,
  initialGFT: LoadStateGFT]
MergeModule: [BcdMerge] PROCEDURE [frame: GlobalFrameHandle, copied: GlobalFrameHandle, initialGFT:
  LoadStateGFT]
MergeModuleTable: [BcdMerge] PROCEDURE [Reloc: Relocation, config: ConfigIndex, initialGFT:
  LoadStateGFT, code: BOOLEAN]
MergeSegment: [BcdMerge] PROCEDURE [bcd: BcdBase, sgh: SGHandle, fti: FTIndex] RETURNS [sgi: SGIndex]
MesaBootLoader: [BinaryDefs] PROGRAM
mesaStringOverflow: [StringDefs] SIGNAL
mesaStringOverflow: [Strings] SIGNAL
MesaTab: [BinaryDefs] PROGRAM
MesaToBcplString: [StringDefs] PROCEDURE [s: STRING, t: POINTER TO bcplSTRING]
MesaToBcplString: [Strings] PROCEDURE [s: STRING, t: POINTER TO bcplSTRING]
minheight: [RectangleDefs] CARDINAL=32
minwidth: [RectangleDefs] CARDINAL=32
Miscellaneous: [NucleusDefs] PROGRAM
ModifyIndex: [StreamDefs] PROCEDURE [index: StreamIndex, change: INTEGER] RETURNS [StreamIndex]
ModifyIndex: [StreamsB] PROCEDURE [index: StreamIndex, change: INTEGER] RETURNS [StreamIndex]
ModuleInfo: [LoaderUtilities] TYPE=RECORD[mth: MTHandle, frame: GlobalFrameHandle, bound: BOOLEAN,
  sgi: SGIndex]
ModuleIsBound: [LoaderUtilities] PROCEDURE [mth: MTHandle]
ModuleIsBound: [LoaderUtilityDefs] PROCEDURE [mth: MTHandle]
ModuleNameToFrame: [DebugUsefulDefs] PROCEDURE [s: STRING] RETURNS [f: GlobalFrameHandle]
ModuleTable: [LoaderUtilities] DESCRIPTOR FOR ARRAY CARDINAL OF ModuleInfo
monitor: [Keyboard] MONITORLOCK
MonitorHandle: [ProcessDefs] TYPE=POINTER TO MonitorLock
MonitorLock: [ProcessDefs] TYPE=MACHINE DEPENDENT RECORD[lock: {locked, unlocked}, queue: PackedQueue]
MopcodeNames: [BinaryDefs] PROGRAM
Mouse: [Keyboard] POINTER TO Coordinate
Mouse: [KeyDefs] POINTER TO MouseBits
MouseBits: [KeyDefs] TYPE=MACHINE DEPENDENT RECORD[blank: [0..255], keyset: [0..31], buttons:
  MouseButton]
MouseButton: [KeyDefs] TYPE={RedYellowBlue, RedBlue, RedYellow, Red, BlueYellow, Blue, Yellow, None}
mousebuttonsup: [RectangleDefs] CARDINAL=7
MoveFileSegment: [SegmentDefs] PROCEDURE [seg: FileSegmentHandle, base: PageNumber, pages: PageCount]
MoveFileSegment: [Segments] PROCEDURE [seg: FileSegmentHandle, base: PageNumber, pages: PageCount]
MoveRectangle: [RectangleDefs] PROCEDURE [rectangle: Rptr, x: xCoord, y: yCoord]
MoveRectangle: [RectanglesA] PROCEDURE [rectangle: Rptr, x: xCoord, y: yCoord]
MoveWords: [MakeImage] PROCEDURE [source: POINTER, nwords: CARDINAL]
MoveWords: [MIUtilityDefs] PROCEDURE [source: POINTER, nwords: CARDINAL]
MREAD: [DebugUsefulDefs] PROCEDURE [a: UNSPECIFIED] RETURNS [UNSPECIFIED]

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MsecToTicks: [ProcessDefs] PROCEDURE [CARDINAL] RETURNS [Ticks]
MsecToTicks: [Process] PROCEDURE [ms: CARDINAL] RETURNS [Ticks]
MTHandle: [BcdDefs] TYPE=POINTER TO MTRRecord
MTIndex: [BcdDefs] TYPE=POINTER[0..37777B] TO MTRRecord
MTNull: [BcdDefs] MTIndex
MTRRecord: [BcdDefs] TYPE=RECORD[name: NameRecord, namedinstance: BOOLEAN, initial: BOOLEAN, file:
  FTIndex, links: LinkLocation, config: CTIndex, code: CodeDesc, sseg: SGIndex, framesize:
  [0..7773B], fsi: [0..19], gfi: GFTIndex, ngfi: [1..4], frame: FrameFrag]
mttype: [BcdDefs] TableSelector=4
MWRITE: [DebugUsefulDefs] PROCEDURE [a: UNSPECIFIED, v: UNSPECIFIED]
NameClash: [SymTabDefs] SIGNAL [hti: HTIndex]
Name: [BcdDefs] TYPE=RECORD[SELECT type: * FROM config => [cti: CTIndex], module => [mti: MTIndex],
  import => [impi: IMPIndex], export => [expi: EXPIndex] ENDCASE]
NameForHti: [BcdMerge] PROCEDURE [hti: HTIndex] RETURNS [NameRecord]
NameRecord: [BcdDefs] TYPE=RECORD[CARDINAL]
NameString: [BcdDefs] TYPE=POINTER TO PackedString
NameString: [BcdMerge] TYPE=NameString
nbcds: [LoadState] ConfigIndex
nCB: [DiskDefs] CARDINAL=3
nDisks: [DiskDefs] CARDINAL=1
New: [FrameDefs] PROCEDURE [name: STRING] RETURNS [frame: GlobalFrameHandle]
New: [LoaderDefs] PROCEDURE [bcdseg: FileSegmentHandle, framelinks: BOOLEAN, alloc: BOOLEAN] RETURNS
  [frame: GlobalFrameHandle]
New: [Loader] PROCEDURE [bcdseg: FileSegmentHandle, framelinks: BOOLEAN, alloc: BOOLEAN] RETURNS
  [frame: GlobalFrameHandle]
NewBcdSegmentFromStream: [MakeImageUtilities] PROCEDURE [stream: DiskHandle, page: PageNumber] RETURNS
  [newpage: PageNumber, seg: FileSegmentHandle]
NewBcdSegmentFromStream: [MIUtilityDefs] PROCEDURE [stream: DiskHandle, page: PageNumber] RETURNS
  [newpage: PageNumber, seg: FileSegmentHandle]
NewByteStream: [StreamDefs] PROCEDURE [name: STRING, access: AccessOptions] RETURNS [DiskHandle]
NewByteStream: [StreamsB] PROCEDURE [name: STRING, access: AccessOptions] RETURNS [DiskHandle]
NewDataSegment: [SegmentDefs] PROCEDURE [base: PageNumber, pages: PageCount] RETURNS
  [DataSegmentHandle]
NewDataSegment: [Swapper] PROCEDURE [base: PageNumber, pages: PageCount] RETURNS [seg:
  DataSegmentHandle]
NewFile: [Files] PROCEDURE [name: STRING, access: AccessOptions, version: VersionOptions] RETURNS
  [file: FileHandle]
NewFile: [SegmentDefs] PROCEDURE [name: STRING, access: AccessOptions, version: VersionOptions]
  RETURNS [FileHandle]
NewFileOnly: [SegmentDefs] VersionOptions=1
NewFileSegment: [SegmentDefs] PROCEDURE [file: FileHandle, base: PageNumber, pages: PageCount, access:
  AccessOptions] RETURNS [FileSegmentHandle]
NewFileSegment: [Segments] PROCEDURE [file: FileHandle, base: PageNumber, pages: PageCount, access:
  AccessOptions] RETURNS [seg: FileSegmentHandle]
NewFrameSegment: [SegmentDefs] PROCEDURE [pages: PageCount] RETURNS [DataSegmentHandle]
NewFrameSegment: [Swapper] PROCEDURE [pages: PageCount] RETURNS [seg: DataSegmentHandle]
NewLine: [IODefs] PROCEDURE RETURNS [BOOLEAN]
NewLine: [StreamIO] PROCEDURE RETURNS [BOOLEAN]
NewSN: [DiskKDDefs] PROCEDURE RETURNS [sn: SN]
NewSN: [DiskKD] PROCEDURE RETURNS [sn: SN]
NewWordStream: [StreamDefs] PROCEDURE [name: STRING, access: AccessOptions] RETURNS [DiskHandle]
NewWordStream: [StreamsB] PROCEDURE [name: STRING, access: AccessOptions] RETURNS [DiskHandle]
nextlevel: [SymTabDefs] PROCEDURE [ContextLevel] RETURNS [ContextLevel]
NextMultipleOfFour: [LoaderUtilities] PROCEDURE [x: UNSPECIFIED] RETURNS [UNSPECIFIED]
NextSe: [SymbolTable] PROCEDURE [sei: ISEIndex] RETURNS [ISEIndex]
NextSe: [SymTabDefs] PROCEDURE [ISEIndex] RETURNS [ISEIndex]
nfilestofind: [LoaderUtilities] CARDINAL
nHeads: [DiskDefs] CARDINAL=2
nModulesEntered: [LoaderUtilities] CARDINAL
NodeHeader: [FSPDefs] TYPE=RECORD[length: PRIVATE BlockSize, extension: PRIVATE SELECT state: * FROM
  inuse => NULL, free => [fwdp: FreeNodePointer, backp: FreeNodePointer] ENDCASE]
NodeLoop: [FSPDefs] ERROR [ZonePointer]
NodeLoop: [FSP] ERROR [ZonePointer]
NodeOverhead: [FSPDefs] CARDINAL=1
NodePointer: [FSPDefs] TYPE=POINTER TO NodeHeader
NodeSize: [FSPDefs] PROCEDURE [p: POINTER] RETURNS [BlockSize]
NodeSize: [FSP] PROCEDURE [p: POINTER] RETURNS [BlockSize]
NoGlobalFrameSlots: [FrameDefs] SIGNAL [CARDINAL]
NoGlobalFrameSlots: [NonResident] SIGNAL [CARDINAL]
NonResident: [NucleusDefs] PROGRAM
NormalizeFileIndex: [BootDefs] PROCEDURE [page: PageNumber, byte: CARDINAL] RETURNS [PageNumber,
  CARDINAL]

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NormalizeFileIndex: [Files] PROCEDURE [page: PageNumber, byte: CARDINAL] RETURNS [PageNumber, CARDINAL]
NormalizeIndex: [StreamDefs] PROCEDURE [index: StreamIndex] RETURNS [StreamIndex]
NormalizeIndex: [StreamsB] PROCEDURE [index: StreamIndex] RETURNS [StreamIndex]
NormalType: [SymbolTable] PROCEDURE [type: CSEIndex] RETURNS [nType: CSEIndex]
NormalType: [SymTabDefs] PROCEDURE [CSEIndex] RETURNS [CSEIndex]
NoRoomForLoader: [ImageDefs] SIGNAL
NoRoomForLoader: [RunImage] SIGNAL
NoRoomInCheckMap: [CheckPoint] SIGNAL
NoRoomInCheckMap: [ImageDefs] SIGNAL
NoRoomInImageMap: [ImageDefs] SIGNAL
NoRoomInImageMap: [MakeImage] SIGNAL
NoRoomInZone: [FSPDefs] SIGNAL [z: ZonePointer]
NoRoomInZone: [FSP] SIGNAL [ZonePointer]
NoSymbolTable: [SymbolCache] SIGNAL [FileSegmentHandle]
NoSymbolTable: [SymbolTableDefs] SIGNAL [seg: FileSegmentHandle]
NotEnoughSpaceForDisplay: [DisplayDefs] ERROR
NotEnoughSpaceForDisplay: [SystemDisplay] SIGNAL
notifier: [SymbolTable] PROCEDURE [SymbolTableBase]
Notify: [ProcessDefs] PROCEDURE [POINTER TO CONDITION]
NovaInLd: [NovaOps] PROCEDURE [code: NovaOpcode, file: POINTER TO CFP, message: POINTER]
NovaJSR: [NovaOps] PROCEDURE [code: NovaOpcode, address: POINTER, arg: UNSPECIFIED] RETURNS [UNSPECIFIED]
NovaOpcode: [NovaOps] TYPE={Finish, Abort, OutLd, InLd, Punt, JSR}
NovaOutLd: [NovaOps] PROCEDURE [code: NovaOpcode, file: POINTER TO CFP, message: POINTER] RETURNS [[0..2]]
nSectors: [DiskDefs] CARDINAL=12
NTHandle: [BcdDefs] TYPE=POINTER TO NTRecord
NTIndex: [BcdDefs] TYPE=POINTER[0..3777B] TO NTRecord
NTNull: [BcdDefs] NTIndex
nTracks: [DiskDefs] CARDINAL=203
NTRecord: [BcdDefs] TYPE=RECORD[name: NameRecord, item: Nameee]
ntype: [BcdDefs] TableSelector=11
NUL: [IODefs] CHARACTER=0C
NUL: [Strings] CHARACTER=0C
NullBootIndex: [WartDefs] BootIndex
NullEpBase: [ControlDefs] CARDINAL=17777B
nullFileIndex: [SymDefs] FileIndex=77777B
NullFP: [AltoFileDefs] FP
NullFrame: [ControlDefs] FrameHandle
NullGlobalFrame: [ControlDefs] GlobalFrameHandle
NullIndex: [WindowDefs] StreamIndex
NullLink: [BcdDefs] ControlLink
NullName: [BcdDefs] NameRecord
NullNotifier: [SymbolTable] PROCEDURE [SymbolTableBase]
NullReason: [TrapDefs] TrapReason
NullSN: [AltoFileDefs] SN
NULLTableHandle: [SymbolTableDefs] SymbolTableHandle
NumberFormat: [IODefs] TYPE=RECORD[base: [2..36], zerofill: BOOLEAN, unsigned: BOOLEAN, columns: [0..255]]
NumberGFIInConfig: [MakeImageUtilities] PROCEDURE [initgft: LoadStateGFT, con: ConfigIndex] RETURNS [ngfi: GFTIndex]
NumberGFIInConfig: [MIUtilityDefs] PROCEDURE [initgft: LoadStateGFT, con: ConfigIndex] RETURNS [ngfi: GFTIndex]
Object: [SegmentDefs] TYPE=RECORD[busy: PRIVATE BOOLEAN, body: SELECT tag: ObjectType FROM free => [seal: PRIVATE [0..31], size: PRIVATE FrobSize, fwdp: PRIVATE FrobLink, backp: PRIVATE FrobLink], segment => [SELECT type: SegmentType FROM data => [unused: [0..3777B], pages: [1..256], VMpage: [0..255], file => [swappedin: BOOLEAN, read: BOOLEAN, write: BOOLEAN, class: FileSegmentClass, VMpage: [0..255], file: FileHandle, base: PageNumber, pages: [1..256], lock: LockCount, location: SELECT loc: SegmentLocation FROM disk => [hint: FileHint], remote => [proc: RemoteSegProc, info: UNSPECIFIED] ENDCASE] ENDCASE], file => [open: BOOLEAN, length: BOOLEAN, lengthvalid: BOOLEAN, read: BOOLEAN, write: BOOLEAN, append: BOOLEAN, lock: LockCount, lengthchanged: BOOLEAN, unused: [0..127], swapcount: RefCount, segcount: SegCount, fp: FP], length => [unused: [0..7], byte: [0..512], page: PageNumber, file: FileHandle, da: vDA] ENDCASE]
OCBIndex: [SymDefs] TYPE=POINTER[0..3777B] TO Outer Callable BodyRecord
OldFileOnly: [SegmentDefs] VersionOptions=2
OldState: [Keyboard] POINTER TO KeyArray
OpenDiskStream: [StreamDefs] PROCEDURE [stream: StreamHandle]
OpenDiskStream: [StreamsB] PROCEDURE [stream: StreamHandle]
OpenDisplayWindows: [WindowDefs] PROCEDURE
OpenDisplayWindows: [WindowsB] PROCEDURE
OpenFile: [Files] PROCEDURE [file: FileHandle]

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OpenFile: [SegmentDefs] PROCEDURE [file: FileHandle]
OpenKeyStream: [KeyStreams] PROCEDURE [stream: StreamHandle]
OpenKeyStream: [StreamDefs] PROCEDURE [stream: StreamHandle]
OrderedTableIndex: [TableDefs] TYPE=ORDERED POINTER[0..37777B]
OriginIndex: [WindowDefs] StreamIndex
OsStaticRecord: [OsStaticDefs] TYPE=MACHINE DEPENDENT RECORD[EnumerateFp: PRIVATE POINTER, fpSysDir:
PRIVATE POINTER TO CFP, fpSysStat: PRIVATE POINTER TO CFP, fpDiskDescriptor: PRIVATE POINTER TO
CFP, fpSysLog: PRIVATE POINTER TO CFP, fpSysfs: PRIVATE POINTER TO CFP, fpUserCm: PRIVATE POINTER
TO CFP, fpComCm: PRIVATE POINTER TO CFP, fpRemCm: PRIVATE POINTER TO CFP, fpExecutive: PRIVATE
POINTER TO CFP, fpSysFont: PRIVATE POINTER TO CFP, fpWorkingDir: PRIVATE POINTER TO CFP,
nameWorkingDir: PRIVATE POINTER TO bcp1STRING, OsBuffer: PRIVATE POINTER TO WORD, EventVector:
POINTER TO WORD, UserName: POINTER TO bcp1STRING, UserPassword: POINTER TO bcp1STRING, OsFinish:
PRIVATE POINTER, OsFinishCode: CARDINAL, OsVersion: CARDINAL, OsVersionCompatible: CARDINAL,
OsFinishSafeAdr: PRIVATE POINTER, SerialNumber: CARDINAL, lvUserFinishProc: PRIVATE POINTER,
SysErr: PRIVATE POINTER, CounterJunta: PRIVATE POINTER, CallSwat: PRIVATE POINTER, lvAbortFlag:
POINTER TO CARDINAL, lvSwatContextProc: PRIVATE POINTER, OutLd: PRIVATE POINTER, InLd: PRIVATE
POINTER, BootFrom: PRIVATE POINTER, DiskIOSetup: PRIVATE POINTER, DiskIOTransfer: PRIVATE POINTER,
UpdateTime: PRIVATE POINTER, lvParitySweepCount: PRIVATE POINTER, LastLdCb: PRIVATE POINTER,
juntaTable: PRIVATE POINTER, AltoVersion: AltoVersionNumber, ErrorLogAddress: WORD,
lvParityPhantomEnable: PRIVATE POINTER, ClockSecond: PRIVATE POINTER]
OsStatics: [OsStaticDefs] POINTER TO POINTER TO OsStaticRecord
OtherStreamHandle: [StreamDefs] TYPE=POINTER TO Other StreamObject
OTPreg: [ControlDefs] CARDINAL=5
OutNumber: [IODefs] PROCEDURE [StreamHandle, UNSPECIFIED, NumberFormat]
OutNumber: [StreamIO] PROCEDURE [stream: StreamHandle, val: INTEGER, format: NumberFormat]
Output: [StreamIO] StreamHandle
Overflow: [StringDefs] SIGNAL
Overflow: [Strings] SIGNAL
OwnMdi: [SymDefs] MDIndex
PackDT: [TimeConvert] PROCEDURE [unp: UnpackedTime, computedDST: BOOLEAN] RETURNS [PackedTime]
PackDT: [TimeDefs] PROCEDURE [unp: UnpackedTime, computedDST: BOOLEAN] RETURNS [PackedTime]
PackedString: [BcdDefs] TYPE=MACHINE DEPENDENT RECORD[SELECT OVERLAID * FROM string => [string:
StringBody], size => [size: PACKED ARRAY [177775B..177776B] OF BYTE] ENDCASE]
PackedTime: [TimeDefs] TYPE=LongCARDINAL
PageCount: [AllocDefs] TYPE=PageCount
PageCount: [AltoDefs] TYPE=[0..256]
PageCount: [MIUtilityDefs] TYPE=PageCount
PageCount: [SegmentDefs] TYPE=PageCount
PageFree: [SegmentDefs] PROCEDURE [page: PageNumber] RETURNS [BOOLEAN]
PageFree: [Segments] PROCEDURE [page: PageNumber] RETURNS [BOOLEAN]
PageFromAddress: [SegmentDefs] PROCEDURE [a: POINTER] RETURNS [PageNumber]
PageFromAddress: [Swapper] PROCEDURE [a: POINTER] RETURNS [PageNumber]
PageMap: [BootDefs] TYPE=ARRAY [0..255] OF SegmentHandle
PageNumber: [AllocDefs] TYPE=PageNumber
PageNumber: [AltoDefs] TYPE=[0..77777B]
PageNumber: [BFSDefs] TYPE=PageNumber
PageNumber: [MIUtilityDefs] TYPE=PageNumber
PageNumber: [SegmentDefs] TYPE=PageNumber
PagePointer: [SegmentDefs] PROCEDURE [a: POINTER] RETURNS [POINTER]
PagePointer: [Swapper] PROCEDURE [a: POINTER] RETURNS [POINTER]
PagesForWords: [Segments] PROCEDURE [nwords: CARDINAL] RETURNS [CARDINAL]
PagesForWords: [SystemDefs] PROCEDURE [nwords: CARDINAL] RETURNS [npages: CARDINAL]
PagesFree: [SegmentDefs] PROCEDURE [base: PageNumber, pages: PageCount] RETURNS [BOOLEAN]
PagesFree: [Segments] PROCEDURE [base: PageNumber, pages: PageCount] RETURNS [BOOLEAN]
PageSize: [AltoDefs] CARDINAL=256
PageState: [AllocDefs] TYPE={free, busy, inuse}
PaintDisplayWindow: [WindowDefs] PROCEDURE [WindowHandle]
PaintDisplayWindow: [WindowsA] PROCEDURE [w: WindowHandle]
ParityError: [Resident] SIGNAL [address: POINTER]
ParityError: [TrapDefs] SIGNAL [address: POINTER]
ParityLevel: [ProcessDefs] InterruptLevel=0
PatchUpGFT: [MakeImageUtilities] PROCEDURE
PatchUpGFT: [MIUtilityDefs] PROCEDURE
pcOffset: [ControlDefs] CARDINAL=1
PhantomParityError: [Resident] SIGNAL
PhantomParityError: [TrapDefs] SIGNAL
Port: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[SELECT OVERLAID * FROM representation => [in:
UNSPECIFIED, out: UNSPECIFIED], links => [frame: FrameHandle, dest: ControlLink] ENDCASE]
Portable: [BcdDefs] TYPE={module, interface}
PortFault: [NonResident] ERROR
PortFault: [TrapDefs] ERROR
PortHandle: [ControlDefs] TYPE=POINTER TO Port

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PositionSeg: [BootDefs] PROCEDURE [seg: FileSegmentHandle, useseg: BOOLEAN] RETURNS [BOOLEAN]
 PositionSeg: [Segments] PROCEDURE [seg: FileSegmentHandle, useseg: BOOLEAN] RETURNS [BOOLEAN]
 Priority: [ProcessDefs] TYPE=[0..7]
 ProcDesc: [ControlDefs] TYPE=procedure ControlLink
 ProcDesc: [MIUtilityDefs] TYPE=ProcDesc ControlLink
 Process: [NucleusDefs] PROGRAM
 ProcessFileRequests: [MakeImageUtilities] PROCEDURE
 ProcessFileRequests: [MIUtilityDefs] PROCEDURE
 ProcessKeyboard: [Keyboard] PROCEDURE
 procslots: [ControlDefs] CARDINAL=16
 PruneHeap: [FSP] PROCEDURE RETURNS [BOOLEAN]
 PruneHeap: [SystemDefs] PROCEDURE RETURNS [BOOLEAN]
 PruneZone: [FSPDefs] PROCEDURE [z: ZonePointer] RETURNS [BOOLEAN]
 PruneZone: [FSP] PROCEDURE [z: ZonePointer] RETURNS [BOOLEAN]
 PSB: [ProcessDefs] TYPE=MACHINE DEPENDENT RECORD[link: PRIVATE ProcessHandle, cleanup: PRIVATE ProcessHandle, timeout: PRIVATE Ticks, enterFailed: PRIVATE BOOLEAN, detached: PRIVATE BOOLEAN, fill: PRIVATE [0..31], state: PRIVATE {frameReady, frameTaken, dead, alive}, timeoutAllowed: PRIVATE BOOLEAN, abortPending: PRIVATE BOOLEAN, timeoutPending: PRIVATE BOOLEAN, waitingOnCV: PRIVATE BOOLEAN, priority: PRIVATE Priority, frame: PRIVATE FrameHandle]
 pSegHeader: [Resident] TYPE=POINTER TO SegHeader
 PuntInfo: [CoreSwapDefs] POINTER TO POINTER TO PuntTable
 PuntMesa: [ImageDefs] PROCEDURE
 PuntTable: [CoreSwapDefs] TYPE=MACHINE DEPENDENT RECORD[pDebuggerFP: POINTER TO CFP, pCoreFP: POINTER TO CFP, puntESV: ExternalStateVector, debuggerFP: CFP, coreFP: CFP, other: UNSPECIFIED]
 PUSH: [InlineDefs] PROCEDURE RETURNS [WORD]
 Read: [SegmentDefs] AccessOptions=1
 Read: [StreamDefs] AccessOptions=1
 ReadBlock: [StreamDefs] PROCEDURE [stream: StreamHandle, address: POINTER, words: CARDINAL] RETURNS [CARDINAL]
 ReadBlock: [StreamsA] PROCEDURE [stream: StreamHandle, address: POINTER, words: CARDINAL] RETURNS [CARDINAL]
 ReadChar: [IODefs] PROCEDURE RETURNS [CHARACTER]
 ReadChar: [Keyboard] PROCEDURE [stream: StreamHandle] RETURNS [char: UNSPECIFIED]
 ReadChar: [StreamIO] PROCEDURE RETURNS [CHARACTER]
 ReadDecimal: [IODefs] PROCEDURE RETURNS [INTEGER]
 ReadDecimal: [StreamIO] PROCEDURE RETURNS [INTEGER]
 ReadEditedString: [IODefs] PROCEDURE [STRING, PROCEDURE [CHARACTER] RETURNS [BOOLEAN], BOOLEAN] RETURNS [CHARACTER]
 ReadEditedString: [StreamIO] PROCEDURE [s: STRING, t: PROCEDURE [CHARACTER] RETURNS [BOOLEAN], newstring: BOOLEAN] RETURNS [CHARACTER]
 ReadID: [IODefs] PROCEDURE [STRING]
 ReadID: [StreamIO] PROCEDURE [s: STRING]
 ReadLine: [IODefs] PROCEDURE [STRING]
 ReadLine: [StreamIO] PROCEDURE [s: STRING]
 ReadNumber: [IODefs] PROCEDURE [default: UNSPECIFIED, radix: CARDINAL] RETURNS [UNSPECIFIED]
 ReadNumber: [StreamIO] PROCEDURE [default: UNSPECIFIED, radix: CARDINAL] RETURNS [UNSPECIFIED]
 ReadOctal: [IODefs] PROCEDURE RETURNS [UNSPECIFIED]
 ReadOctal: [StreamIO] PROCEDURE RETURNS [UNSPECIFIED]
 ReadString: [IODefs] PROCEDURE [STRING, PROCEDURE [CHARACTER] RETURNS [BOOLEAN]]
 ReadString: [StreamIO] PROCEDURE [s: STRING, t: PROCEDURE [CHARACTER] RETURNS [BOOLEAN]]
 RealDA: [DiskDefs] PROCEDURE [v: vDA] RETURNS [DA]
 RealDA: [DiskIO] PROCEDURE [v: vDA] RETURNS [da: DA]
 ReallocateBitmap: [RectangleDefs] PROCEDURE [mapdata: BMHandle, pagesformap: CARDINAL, wordsperline: CARDINAL]
 ReallocateBitmap: [RectanglesB] PROCEDURE [mapdata: BMHandle, pagesformap: CARDINAL, wordsperline: CARDINAL]
 recordCSEIndex: [SymDefs] TYPE=POINTER[0..37777B] TO record constructor SERecord
 recordCSENull: [SymDefs] recordCSEIndex
 RecordLink: [SymbolTable] PROCEDURE [type: recordCSEIndex] RETURNS [recordCSEIndex]
 RecordLink: [SymTabDefs] PROCEDURE [recordCSEIndex] RETURNS [recordCSEIndex]
 RecordRoot: [SymbolTable] PROCEDURE [type: recordCSEIndex] RETURNS [root: recordCSEIndex]
 RecordRoot: [SymTabDefs] PROCEDURE [recordCSEIndex] RETURNS [recordCSEIndex]
 Rectangle: [RectangleDefs] TYPE=RECORD[link: Rptr, visible: BOOLEAN, options: ROptions, bitmap: BMHandle, x0: xCoord, width: xCoord, cw: xCoord, y0: yCoord, height: yCoord, ch: yCoord]
 RectangleError: [RectangleDefs] SIGNAL [rectangle: Rptr, error: RectangleErrorCode]
 RectangleError: [RectanglesA] SIGNAL [rectangle: Rptr, error: RectangleErrorCode]
 RectangleErrorCode: [RectangleDefs] TYPE={RightOverflow, BottomOverflow, NotVisible}
 RectanglesB: [RectangleDefs] PROGRAM [pagesformap: CARDINAL, mapwordsperline: CARDINAL]
 RectangleToMapCoords: [RectangleDefs] PROCEDURE [rectangle: Rptr, x: xCoord, y: yCoord] RETURNS [xCoord, yCoord]
 RectangleToMapCoords: [RectanglesB] PROCEDURE [rectangle: Rptr, x: xCoord, y: yCoord] RETURNS [mapx: xCoord, mapy: yCoord]

ReEnter: [ProcessDefs] PROCEDURE [POINTER TO MONITORLOCK, POINTER TO CONDITION] RETURNS [success: BOOLEAN]
 RefCount: [SegmentDefs] TYPE=[0..255]
 Region: [TableDefs] TYPE=RECORD[origin: CARDINAL, size: CARDINAL]
 Relations: [CoreSwapDefs] TYPE={eq, ne, lt, ge, gt, le}
 ReleaseBcdSeg: [LoaderBcdUtilDefs] PROCEDURE [bcdseg: FileSegmentHandle]
 ReleaseBcdSeg: [LoaderBcdUtilities] PROCEDURE [bcdseg: FileSegmentHandle]
 ReleaseDiskPage: [DiskKDDefs] PROCEDURE [v: vDA]
 ReleaseDiskPage: [DiskKD] PROCEDURE [v: vDA]
 ReleaseFile: [Files] PROCEDURE [file: FileHandle]
 ReleaseFile: [SegmentDefs] PROCEDURE [file: FileHandle]
 ReleaseLoadState: [LoadStateDefs] PROCEDURE
 ReleaseLoadState: [LoadState] PROCEDURE
 ReleaseRelocation: [LoadStateDefs] PROCEDURE [rel: Relocation]
 ReleaseRelocation: [LoadState] PROCEDURE [rel: Relocation]
 ReleaseSymbolTable: [SymbolCache] PROCEDURE [base: SymbolTableBase]
 ReleaseSymbolTable: [SymbolTableDefs] PROCEDURE [base: SymbolTableBase]
 Relocation: [LoaderUtilityDefs] TYPE=Relocation
 Relocation: [LoadStateDefs] TYPE=DESCRIPTOR FOR ARRAY CARDINAL OF GFTIndex
 RemoteSegCommand: [SegmentDefs] TYPE=UNSPECIFIED
 RemoteSegProc: [SegmentDefs] TYPE=PROCEDURE [seg: FileSegmentHandle, command: RemoteSegCommand]
 RemoveCleanupProcedure: [ImageDefs] PROCEDURE [POINTER TO CleanupItem]
 RemoveCleanupProcedure: [Miscellaneous] PROCEDURE [item: POINTER TO CleanupItem]
 RemoveConfig: [LoadStateDefs] PROCEDURE [rel: Relocation, config: ConfigIndex]
 RemoveConfig: [LoadState] PROCEDURE [rel: Relocation, config: ConfigIndex]
 RemoveGlobalFrame: [FrameDefs] PROCEDURE [frame: GlobalFrameHandle]
 RemoveGlobalFrame: [NonResident] PROCEDURE [frame: GlobalFrameHandle]
 RemoveSwapStrategy: [AllocDefs] PROCEDURE [strategy: POINTER TO SwapStrategy]
 RemoveSwapStrategy: [Swapper] PROCEDURE [strategy: POINTER TO SwapStrategy]
 RepaintDisplayWindows: [WindowDefs] PROCEDURE [mapdata: BMHandle]
 RepaintDisplayWindows: [WindowsA] PROCEDURE [mapdata: BMHandle]
 RequestHead: [MakeImageUtilities] POINTER TO FileRequest
 Requeue: [ProcessDefs] PROCEDURE [from: QueueHandle, to: QueueHandle, p: ProcessHandle]
 RequiredFrameSpace: [LoaderUtilities] PROCEDURE [loadee: BcdBase, alloc: BOOLEAN, framelinks: BOOLEAN] RETURNS [space: CARDINAL]
 RequiredFrameSpace: [LoaderUtilityDefs] PROCEDURE [loadee: BcdBase, alloc: BOOLEAN, framelinks: BOOLEAN] RETURNS [space: CARDINAL]
 ResetControlDEL: [KeyStreams] PROCEDURE
 ResetControlDEL: [StreamDefs] PROCEDURE
 resetctxlist: [SymTabDefs] PROCEDURE [CTXIndex]
 ResetDisk: [DiskDefs] PROCEDURE RETURNS [POINTER TO DISK]
 ResetDisk: [DiskIO] PROCEDURE RETURNS [POINTER TO DISK]
 ResetLoadState: [LoadStateDefs] PROCEDURE [initialGFT: LoadStateGFT]
 ResetLoadState: [LoadState] PROCEDURE [initialGFT: LoadStateGFT]
 ResetWaitCell: [DiskDefs] PROCEDURE
 ResetWaitCell: [DiskIO] PROCEDURE
 Resident: [NucleusDefs] PROGRAM
 ResolveBugToPosition: [Menus] PROCEDURE [w: WindowHandle, x: xCoord, y: yCoord] RETURNS [line: CARDINAL, xpos: xCoord, width: CARDINAL, index: StreamIndex]
 ResolveBugToPosition: [WindowDefs] PROCEDURE [w: WindowHandle, x: xCoord, y: yCoord] RETURNS [line: CARDINAL, xpos: xCoord, width: CARDINAL, index: StreamIndex]
 Restart: [FrameDefs] PROCEDURE [GlobalFrameHandle]
 Restart: [Resident] PROCEDURE [dest: GlobalFrameHandle]
 RestartSymbolCache: [SymbolCache] PROCEDURE
 RestartSymbolCache: [SymbolTableDefs] PROCEDURE
 RestoreRectangle: [Menus] PROCEDURE [rectangle: Rptr, SegPtr: POINTER]
 RestoreRectangle: [RectangleDefs] PROCEDURE [rectangle: Rptr, SegPtr: POINTER]
 restype: [RectangleDefs] TYPE={high, low}
 ResumeError: [Signaller] SIGNAL
 ResumeError: [TrapDefs] SIGNAL
 RetryableDiskError: [DiskDefs] SIGNAL [cb: CBptr]
 RetryableDiskError: [DiskIO] SIGNAL [cb: CBptr]
 RetryCount: [DiskDefs] CARDINAL=8
 ReturnByte: [FrameDefs] PROCEDURE [frame: FrameHandle, byteoffset: INTEGER] RETURNS [byte: BYTE]
 ReturnByte: [NonResident] PROCEDURE [frame: FrameHandle, byteoffset: INTEGER] RETURNS [byte: BYTE]
 returnDP: [CoreSwapDefs] TYPE=POINTER TO return DebugParameter
 returnOffset: [ControlDefs] CARDINAL=2
 RewritePages: [BFSDefs] PROCEDURE [arg: POINTER TO extend DiskRequest] RETURNS [page: PageNumber, bytes: CARDINAL]
 RewritePages: [BFS] PROCEDURE [arg: POINTER TO extend DiskRequest] RETURNS [PageNumber, CARDINAL]
 ROptions: [RectangleDefs] TYPE=RECORD[NoteInvisible: BOOLEAN, NoteOverflow: BOOLEAN]
 RoundFileIndex: [BootDefs] PROCEDURE [page: PageNumber, byte: CARDINAL] RETURNS [PageNumber, CARDINAL]

RoundFileIndex: [Files] PROCEDURE [page: PageNumber, byte: CARDINAL] RETURNS [PageNumber, CARDINAL]
 Rptr: [RectangleDefs] TYPE=POINTER TO Rectangle
 Rptr: [WindowDefs] TYPE=Rptr
 Rubout: [IODefs] SIGNAL
 Rubout: [StreamIO] SIGNAL
 RunImage: [ImageDefs] PROCEDURE [file: FileSegmentHandle]
 RunImage: [RunImage] PROCEDURE [headerseg: FileSegmentHandle]
 sAddFileRequest: [SDDefs] CARDINAL=36
 sAllocTrap: [SDDefs] CARDINAL=6
 sAlternateBreak: [SDDefs] CARDINAL=1
 SaveRectangle: [Menus] PROCEDURE [rectangle: Rptr] RETURNS [POINTER]
 SaveRectangle: [RectangleDefs] PROCEDURE [rectangle: Rptr] RETURNS [POINTER]
 sBLTE: [SDDefs] CARDINAL=24
 sBLTEC: [SDDefs] CARDINAL=51
 sBLTECL: [SDDefs] CARDINAL=55
 sBLTEL: [SDDefs] CARDINAL=53
 sBreak: [SDDefs] CARDINAL=0
 sBreakBlock: [SDDefs] CARDINAL=38
 sBreakBlockSize: [SDDefs] CARDINAL=39
 sBYTBLTE: [SDDefs] CARDINAL=41
 sBYTBLTEC: [SDDefs] CARDINAL=52
 sBYTBLTECL: [SDDefs] CARDINAL=56
 sBYTBLTEL: [SDDefs] CARDINAL=54
 sCallDebugger: [SDDefs] CARDINAL=44
 sControlFault: [SDDefs] CARDINAL=7
 sCopy: [SDDefs] CARDINAL=29
 sCoreSwap: [SDDefs] CARDINAL=32
 ScrollBoxInRectangle: [RectangleDefs] PROCEDURE [rectangle: Rptr, x0: xCoord, width: xCoord, y0: yCoord, height: yCoord, incr: INTEGER]
 ScrollBoxInRectangle: [RectanglesA] PROCEDURE [rectangle: Rptr, x0: xCoord, width: xCoord, y0: yCoord, height: yCoord, incr: INTEGER]
 ScrollDisplay: [Display] PROCEDURE [ds: DisplayHandle, char: UNSPECIFIED]
 ScrollDisplay: [StreamDefs] PROCEDURE [ds: DisplayHandle, char: CHARACTER]
 SD: [ControlDefs] POINTER TO ARRAY [0..0] OF UNSPECIFIED
 SD: [SDDefs] POINTER TO ARRAY [0..0] OF UNSPECIFIED
 sDivideCheck: [SDDefs] CARDINAL=13
 sDivSS: [SDDefs] CARDINAL=25
 SearchContext: [SymbolTable] PROCEDURE [hti: HTIndex, ctx: CTXIndex] RETURNS [ISEIndex]
 SearchContext: [SymTabDefs] PROCEDURE [hti: HTIndex, ctx: CTXIndex] RETURNS [ISEIndex]
 seb: [SymbolTable] TableBase
 SegClass: [BcdDefs] TYPE={code, symbols}
 SegCount: [SegmentDefs] TYPE=[0..17777B]
 SegHeader: [Resident] TYPE=RECORD[seg: DataSegmentHandle, link: pSegHeader]
 SegListHead: [Resident] pSegHeader
 SegmentAddress: [SegmentDefs] PROCEDURE [seg: SegmentHandle] RETURNS [POINTER]
 SegmentAddress: [Segments] PROCEDURE [seg: SegmentHandle] RETURNS [POINTER]
 SegmentBootIndex: [WartDefs] TYPE=POINTER[0..17776B] TO Segment BootScriptEntry
 SegmentFault: [SegmentDefs] SIGNAL [seg: FileSegmentHandle, pages: PageCount]
 SegmentFault: [Swapper] SIGNAL [seg: FileSegmentHandle, pages: PageCount]
 SegmentForTable: [SymbolCache] PROCEDURE [table: SymbolTableHandle] RETURNS [FileSegmentHandle]
 SegmentForTable: [SymbolTableDefs] PROCEDURE [table: SymbolTableHandle] RETURNS [FileSegmentHandle]
 SegmentHandle: [AllocDefs] TYPE=SegmentHandle
 SegmentHandle: [SegmentDefs] TYPE=POINTER TO SegmentObject Object
 SegmentLocation: [SegmentDefs] TYPE={disk, remote}
 SegmentObject: [SegmentDefs] TYPE=segment Object
 Segments: [NucleusDefs] PROGRAM
 SegmentSize: [Segments] PROCEDURE [base: POINTER] RETURNS [CARDINAL]
 SegmentSize: [SystemDefs] PROCEDURE [base: POINTER] RETURNS [nwords: CARDINAL]
 SegmentType: [SegmentDefs] TYPE={data, file}
 SEIndex: [SymDefs] TYPE=POINTER[0..37777B] TO SERecord
 Selection: [WindowDefs] TYPE=RECORD[leftx: xCoord, rightx: xCoord, leftline: CARDINAL, rightline: CARDINAL, leftindex: StreamIndex, rightindex: StreamIndex]
 SendMsgSignal: [Signaller] SIGNAL RETURNS [UNSPECIFIED, UNSPECIFIED]
 SendMsgSignal: [TrapDefs] SIGNAL RETURNS [UNSPECIFIED, UNSPECIFIED]
 SENull: [SymDefs] SEIndex
 SERecord: [SymDefs] TYPE=RECORD[mark3: BOOLEAN, mark4: BOOLEAN, sebody: SELECT setag: * FROM id => [extended: BOOLEAN, public: BOOLEAN, ctinum: CTXIndex, writeonce: BOOLEAN, constant: BOOLEAN, idtype: SEIndex, idinfo: UNSPECIFIED, idvalue: UNSPECIFIED, htptr: HTIndex, linkSpace: BOOLEAN, ctxlink: SELECT linktag: * FROM terminal => NULL, sequential => NULL, linked => [link: ISEIndex] ENDCASE], constructor => [typeinfo: SELECT typetag: TypeClass FROM mode => NULL, basic => [ordered: BOOLEAN, code: [0..15], length: CARDINAL], enumerated => [ordered: BOOLEAN, valuectx: CTXIndex, nvalues: CARDINAL], record => [machineDep: BOOLEAN, monitored: BOOLEAN, unifold: BOOLEAN,

argument: BOOLEAN, defaultFields: BOOLEAN, comparable: BOOLEAN, privateFields: BOOLEAN, lengthUsed: BOOLEAN, length: CARDINAL, fieldctx: CTXIndex, variant: BOOLEAN, linkpart: SELECT linktag: * FROM notlinked => NULL, linked => [linktype: SEIndex] ENDCASE], pointer => [ordered: BOOLEAN, readonly: BOOLEAN, basing: BOOLEAN, dereferenced: BOOLEAN, pointedtotype: SEIndex], array => [packed: BOOLEAN, comparable: BOOLEAN, lengthUsed: BOOLEAN, indextype: SEIndex, componenttype: SEIndex], arraydesc => [describedType: SEIndex], transfer => [mode: TransferMode, inrecord: recordCSEIndex, outrecord: recordCSEIndex], definition => [nGfi: [1..4], defCtx: CTXIndex], union => [equalLengths: BOOLEAN, casectx: CTXIndex, overlaid: BOOLEAN, controlled: BOOLEAN, tagsei: ISEIndex], relative => [baseType: SEIndex, offsetType: SEIndex, resultType: SEIndex], subrange => [filled: BOOLEAN, empty: BOOLEAN, flexible: BOOLEAN, rangetype: SEIndex, origin: INTEGER, range: CARDINAL], long => [rangetype: SEIndex, real => NULL, nil => NULL ENDCASE] ENDCASE]

sError: [SDDefs] CARDINAL=19

sErrorList: [SDDefs] CARDINAL=18

SetAllocationObject: [AllocDefs] PROCEDURE [new: AllocHandle] RETURNS [old: AllocHandle]

SetAllocationObject: [Swapper] PROCEDURE [new: AllocHandle] RETURNS [old: AllocHandle]

SetBlock: [MiscDefs] PROCEDURE [p: POINTER, v: UNSPECIFIED, l: CARDINAL]

SetBlock: [Miscellaneous] PROCEDURE [p: POINTER, v: UNSPECIFIED, l: CARDINAL]

SetCurrentDisplayWindow: [WindowDefs] PROCEDURE [WindowHandle]

SetCurrentDisplayWindow: [WindowsA] PROCEDURE [w: WindowHandle]

SetDisk: [DiskDefs] PROCEDURE [POINTER TO DISK]

SetDisk: [DiskIO] PROCEDURE [d: POINTER TO DISK]

SetDisplayLine: [Display] PROCEDURE [ds: DisplayHandle, line: CARDINAL, pos: CARDINAL]

SetDisplayLine: [StreamDefs] PROCEDURE [ds: DisplayHandle, line: CARDINAL, pos: CARDINAL]

SetDummyDisplaySize: [DisplayDefs] PROCEDURE [nScanLines: CARDINAL]

SetDummyDisplaySize: [SystemDisplay] PROCEDURE [nScanLines: CARDINAL]

SetEndOfFile: [Files] PROCEDURE [file: FileHandle, page: PageNumber, byte: CARDINAL]

SetEndOfFile: [SegmentDefs] PROCEDURE [file: FileHandle, page: PageNumber, byte: CARDINAL]

SetFileAccess: [Files] PROCEDURE [file: FileHandle, access: AccessOptions]

SetFileAccess: [SegmentDefs] PROCEDURE [file: FileHandle, access: AccessOptions]

SetFileForWindow: [WindowDefs] PROCEDURE [WindowHandle, STRING]

SetFileForWindow: [WindowsB] PROCEDURE [w: WindowHandle, filename: STRING]

SetFileHandleForWindow: [WindowDefs] PROCEDURE [WindowHandle, FileHandle, STRING]

SetFileHandleForWindow: [WindowsB] PROCEDURE [w: WindowHandle, fileh: FileHandle, filename: STRING]

SetFileLength: [Files] PROCEDURE [file: FileHandle, fa: POINTER TO FA]

SetFileLength: [SegmentDefs] PROCEDURE [file: FileHandle, fa: POINTER TO FA]

SetFileSegmentDA: [SegmentDefs] PROCEDURE [seg: FileSegmentHandle, da: vDA]

SetFileSegmentDA: [Segments] PROCEDURE [seg: FileSegmentHandle, da: vDA]

SetFont: [DisplayDefs] PROCEDURE [FontHandle]

SetFont: [SystemDisplay] PROCEDURE [f: FontHandle]

SetIndex: [StreamDefs] PROCEDURE [stream: StreamHandle, index: StreamIndex]

SetIndex: [StreamsB] PROCEDURE [stream: StreamHandle, index: StreamIndex]

SetIndexForWindow: [WindowDefs] PROCEDURE [WindowHandle, StreamIndex]

SetIndexForWindow: [WindowsB] PROCEDURE [w: WindowHandle, index: StreamIndex]

SetInputStream: [IODefs] PROCEDURE [StreamHandle]

SetInputStream: [StreamIO] PROCEDURE [s: StreamHandle]

SetLevel: [CoreSwapDefs] PROCEDURE [l: INTEGER]

SetLevel: [NonResident] PROCEDURE [l: INTEGER]

SetLoadState: [LoadStateDefs] PROCEDURE [stateseg: FileSegmentHandle]

SetLoadState: [LoadState] PROCEDURE [stateseg: FileSegmentHandle]

SetOutputStream: [IODefs] PROCEDURE [StreamHandle]

SetOutputStream: [StreamIO] PROCEDURE [s: StreamHandle]

SetPositionForWindow: [WindowDefs] PROCEDURE [WindowHandle, CARDINAL]

SetPositionForWindow: [WindowsB] PROCEDURE [w: WindowHandle, pos: CARDINAL]

SetPriority: [ProcessDefs] PROCEDURE [Priority]

SetPriority: [Process] PROCEDURE [p: Priority]

SetReturnFrame: [ControlDefs] PROCEDURE [FrameHandle]

SetReturnLink: [ControlDefs] PROCEDURE [ControlLink]

setselink: [SymTabDefs] PROCEDURE [sei: ISEIndex, next: ISEIndex]

SetSymbolCacheSize: [SymbolCache] PROCEDURE [pages: CARDINAL]

SetSymbolCacheSize: [SymbolTableDefs] PROCEDURE [pages: CARDINAL]

SetSystemDisplaySize: [DisplayDefs] PROCEDURE [nTextLines: CARDINAL, nPages: CARDINAL]

SetSystemDisplaySize: [SystemDisplay] PROCEDURE [nTextLines: CARDINAL, nPages: CARDINAL]

SetSystemDisplayWidth: [DisplayDefs] PROCEDURE [indent: CARDINAL, width: CARDINAL]

SetSystemDisplayWidth: [SystemDisplay] PROCEDURE [indent: CARDINAL, width: CARDINAL]

SetTimeout: [ProcessDefs] PROCEDURE [condition: POINTER TO CONDITION, ticks: CARDINAL]

SetTimeout: [Process] PROCEDURE [condition: POINTER TO CONDITION, ticks: CARDINAL]

SetTypeScript: [DisplayDefs] PROCEDURE [DiskHandle]

SetTypeScript: [SystemDisplay] PROCEDURE [ts: DiskHandle]

SetUnresolvedImports: [LoadStateDefs] PROCEDURE [bcd: ConfigIndex, unresolved: BOOLEAN]

SetUnresolvedImports: [LoadState] PROCEDURE [bcd: ConfigIndex, unresolved: BOOLEAN]

SetUpBcd: [LoaderBcdUtilDefs] PROCEDURE [bcdseg: FileSegmentHandle] RETURNS [bcd: BcdBase]

SetUpBcd: [LoaderBcdUtilities] PROCEDURE [bcdseg: FileSegmentHandle] RETURNS [bcd: BcdBase]

SetWaitCell: [DiskDefs] PROCEDURE [POINTER TO WORD] RETURNS [POINTER TO WORD]
SetWaitCell: [DiskIO] PROCEDURE [p: POINTER TO WORD] RETURNS [prevail: POINTER TO WORD]
setype: [SymDefs] TableSelector=1
sFADD: [SDDefs] CARDINAL=59
sFCOMP: [SDDefs] CARDINAL=63
sFDIV: [SDDefs] CARDINAL=62
sFirstFree: [SDDefs] CARDINAL=66
sFirstProcess: [SDDefs] CARDINAL=45
sFirstStateVector: [SDDefs] CARDINAL=48
sFIX: [SDDefs] CARDINAL=64
sFLOAT: [SDDefs] CARDINAL=65
sFMUL: [SDDefs] CARDINAL=61
sFork: [SDDefs] CARDINAL=49
sFSUB: [SDDefs] CARDINAL=60
sGFTLength: [SDDefs] CARDINAL=40
SGHandle: [BcdDefs] TYPE=POINTER TO SGRecord
SGIndex: [BcdDefs] TYPE=POINTER[0..37777B] TO SGRecord
SGNull: [BcdDefs] SGIndex
sGoingAway: [SDDefs] CARDINAL=35
SGRecord: [BcdDefs] TYPE=RECORD[class: SegClass, file: FTIndex, base: CARDINAL, pages: [0..255],
extraPages: [0..255]]
sgtype: [BcdDefs] TableSelector=7

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sHardwareError: [SDDefs] CARDINAL=14
shortFileRequest: [MIUtilityDefs] TYPE=short FileRequest
SignalDesc: [ControlDefs] TYPE=ProcDesc ControlLink
Signaller: [NucleusDefs] PROGRAM
sInterrupt: [SDDefs] CARDINAL=34
sIOResetBits: [SDDefs] CARDINAL=37
sJoin: [SDDefs] CARDINAL=50
sLastProcess: [SDDefs] CARDINAL=46
sLongDiv: [SDDefs] CARDINAL=57
sLongDivMod: [SDDefs] CARDINAL=30
sLongMod: [SDDefs] CARDINAL=58
sLongMul: [SDDefs] CARDINAL=27
SN: [AltoFileDefs] TYPE=MACHINE DEPENDENT RECORD[directory: [0..1], random: [0..1], nolog: [0..1],
  part1: [0..17777B], part2: CARDINAL]
Sn: [SymDefs] TYPE={snNil, snValid, snInvalid, snIndirect}
sNew: [SDDefs] CARDINAL=28
sourceFile: [SymbolTable] STRING
SP: [IODefs] CHARACTER=40C
Space: [Strings] CHARACTER=40C
SpaceHeader: [MIUtilityDefs] TYPE=RECORD[link: POINTER TO SpaceHeader, segment: DataSegmentHandle]
SpaceLeft: [MakeImageUtilities] CARDINAL
SpaceList: [MakeImageUtilities] POINTER TO SpaceHeader
SpacePointer: [MakeImageUtilities] POINTER TO SpaceHeader
sPageFault: [SDDefs] CARDINAL=9
SpecialReturnSlot: [ControlDefs] CARDINAL=21
SplitNode: [FSPDefs] PROCEDURE [z: ZonePointer, p: POINTER, n: BlockSize]
SplitNode: [FSP] PROCEDURE [z: ZonePointer, p: POINTER, n: BlockSize]
sProcessBreakpoint: [SDDefs] CARDINAL=33
sProcessTrap: [SDDefs] CARDINAL=47
SREAD: [DebugUsefulDefs] PROCEDURE [a: UNSPECIFIED] RETURNS [UNSPECIFIED]
sRestart: [SDDefs] CARDINAL=43
sReturnError: [SDDefs] CARDINAL=21
sReturnErrorList: [SDDefs] CARDINAL=20
ssb: [LoaderUtilities] NameString
ssb: [SymbolTable] STRING
sSignal: [SDDefs] CARDINAL=17
sSignalList: [SDDefs] CARDINAL=16
sStackError: [SDDefs] CARDINAL=2
sStart: [SDDefs] CARDINAL=42
sStringInit: [SDDefs] CARDINAL=26
sstype: [BcdDefs] TableSelector=2
sstype: [SymDefs] TableSelector=3
sSwapTrap: [SDDefs] CARDINAL=8
StackError: [NonResident] ERROR [FrameHandle]
StackError: [TrapDefs] ERROR [FrameHandle]
Start: [FrameDefs] PROCEDURE [GlobalFrameHandle]
Start: [Resident] PROCEDURE [dest: GlobalFrameHandle]
StartCursor: [DisplayControl] PROCEDURE
startDP: [CoreSwapDefs] TYPE=POINTER TO start DebugParameter
StartFault: [Resident] SIGNAL [dest: GlobalFrameHandle]
StartFault: [TrapDefs] SIGNAL [dest: GlobalFrameHandle]
StateVector: [ControlDefs] TYPE=MACHINE DEPENDENT RECORD[stk: ARRAY [0..7] OF UNSPECIFIED, instbyte:
  BYTE, fill: [0..15], stkptr: [0..15], dest: UNSPECIFIED, source: UNSPECIFIED]
StaticNestError: [SymTabDefs] SIGNAL
stHandle: [SymbolTable] POINTER TO STHeader
STHeader: [SymDefs] TYPE=RECORD[versionIdent: CARDINAL, version: VersionStamp, sourceVersion:
  VersionStamp, creator: VersionStamp, definitionsFile: BOOLEAN, directoryCtx: CTXIndex, importCtx:
  CTXIndex, outerCtx: CTXIndex, hvBlock: BlockDescriptor, htBlock: BlockDescriptor, ssBlock:
  BlockDescriptor, seBlock: BlockDescriptor, ctxBlock: BlockDescriptor, mdBlock: BlockDescriptor,
  bodyBlock: BlockDescriptor, extBlock: BlockDescriptor, treeBlock: BlockDescriptor, litBlock:
  BlockDescriptor, fgRelPgBase: CARDINAL, fgPgCount: PageCount]
STIndex: [BcdTabDefs] TYPE=POINTER[0..37777B] TO STRecord
STMap: [BcdTabDefs] TYPE=RECORD[SELECT type: * FROM unknown => NULL, config => [cti: CTIndex], module
  => [mti: MTIndex], interface => [expi: EXPIndex] ENDCASE]
STNull: [BcdTabDefs] STIndex
Stop: [NovaOps] PROCEDURE [code: NovaOpcode]
StopCursor: [DisplayControl] PROCEDURE
StopMesa: [ImageDefs] PROCEDURE
StreamError: [StreamDefs] SIGNAL [stream: StreamHandle, error: StreamErrorCode]
StreamError: [StreamsA] SIGNAL [stream: StreamHandle, error: StreamErrorCode]
StreamErrorCode: [StreamDefs] TYPE={StreamType, StreamAccess, StreamOperation, StreamPosition,
  StreamEnd, StreamBug}

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StreamHandle: [MIUtilityDefs] TYPE=StreamHandle
StreamHandle: [StreamDefs] TYPE=POINTER TO StreamObject
StreamHandle: [WindowDefs] TYPE=StreamHandle
StreamIndex: [StreamDefs] TYPE=RECORD[page: PageNumber, byte: CARDINAL]
StreamIndex: [WindowDefs] TYPE=StreamIndex
StreamIO: [IODefs] PROGRAM
StreamObject: [StreamDefs] TYPE=RECORD[reset: PROCEDURE [StreamHandle], get: PROCEDURE [StreamHandle]
  RETURNS [UNSPECIFIED], putback: PROCEDURE [StreamHandle, UNSPECIFIED], put: PROCEDURE
  [StreamHandle, UNSPECIFIED], endof: PROCEDURE [StreamHandle] RETURNS [BOOLEAN], destroy: PROCEDURE
  [StreamHandle], body: PRIVATE SELECT type: PUBLIC * FROM Keyboard => [in: CARDINAL, out: CARDINAL,
  buffer: PACKED ARRAY [0..79] OF CHARACTER], Display => [options: PUBLIC DSOptions, charx: xCoord,
  TABindex: [0..9], chary: yCoord, link: PUBLIC DisplayHandle, pfont: PUBLIC FAPtr, rectangle: PUBLIC
  Rptr, lineheight: PUBLIC CARDINAL, line: PUBLIC CARDINAL, TABs: ARRAY [0..9] OF CARDINAL], Disk =>
  [eof: BOOLEAN, dirty: BOOLEAN, read: PUBLIC BOOLEAN, write: PUBLIC BOOLEAN, append: PUBLIC BOOLEAN,
  unit: [1..2], index: CARDINAL, size: CARDINAL, getOverflow: PROCEDURE [StreamHandle], savedGet:
  PROCEDURE [StreamHandle] RETURNS [UNSPECIFIED], putOverflow: PROCEDURE [StreamHandle], savedPut:
  PROCEDURE [StreamHandle, UNSPECIFIED], page: PageNumber, char: CARDINAL, buffer: RECORD[SELECT
  OVERLAID * FROM byte => [byte: POINTER TO PACKED ARRAY [0..0] OF BYTE], word => [word: POINTER TO
  ARRAY [0..0] OF WORD] ENDCASE], file: PUBLIC FileHandle, das: ARRAY {last, current, next} OF vDA],
  Other => [data: PUBLIC POINTER] ENDCASE]
STRecord: [BcdTabDefs] TYPE=RECORD[filename: BOOLEAN, assigned: BOOLEAN, hti: HTIndex, imported:
  BOOLEAN, exported: BOOLEAN, link: STIndex, impi: IMPIndex, impgfi: CARDINAL, body: SELECT type: *
  FROM unknown => NULL, local => [info: TableIndex, context: CXIndex], external => [map: STMap,
  pointer: SELECT ptype: * FROM instance => [sti: STIndex], file => [fti: FTIndex] ENDCASE] ENDCASE]
StringBoundsFault: [StringDefs] SIGNAL [s: STRING] RETURNS [ns: STRING]
StringBoundsFault: [Strings] SIGNAL [s: STRING] RETURNS [ns: STRING]
StringExpressionToNumber: [DebugUsefulDefs] PROCEDURE [s: STRING, defradix: CARDINAL] RETURNS [v:
  UNSPECIFIED]
StringToDecimal: [StringDefs] PROCEDURE [STRING] RETURNS [INTEGER]
StringToDecimal: [Strings] PROCEDURE [s: STRING] RETURNS [INTEGER]
StringToLongNumber: [StringDefs] PROCEDURE [s: STRING, radix: CARDINAL] RETURNS [LONG INTEGER]
StringToLongNumber: [Strings] PROCEDURE [s: STRING, radix: CARDINAL] RETURNS [v: LONG INTEGER]
StringToNumber: [StringDefs] PROCEDURE [s: STRING, radix: CARDINAL] RETURNS [UNSPECIFIED]
StringToNumber: [Strings] PROCEDURE [s: STRING, radix: CARDINAL] RETURNS [v: UNSPECIFIED]
StringToOctal: [StringDefs] PROCEDURE [STRING] RETURNS [UNSPECIFIED]
StringToOctal: [Strings] PROCEDURE [s: STRING] RETURNS [UNSPECIFIED]
StringToRealNumber: [DebugRealDefs] PROCEDURE [STRING] RETURNS [REAL]
sttype: [BcdDefs] TableSelector=9
SubString: [BcdMerge] TYPE=SubString
SubString: [StringDefs] TYPE=POINTER TO SubStringDescriptor
SubString: [SymbolTable] TYPE=SubString
SubStringDescriptor: [BcdMerge] TYPE=SubStringDescriptor
SubStringDescriptor: [LoaderUtilities] TYPE=SubStringDescriptor
SubStringDescriptor: [StringDefs] TYPE=RECORD[base: STRING, offset: CARDINAL, length: CARDINAL]
SubStringForHash: [BcdTabDefs] PROCEDURE [SubString, HTIndex]
SubStringForHash: [BcdTab] PROCEDURE [s: SubString, hti: HTIndex]
SubStringForHash: [SymbolTable] PROCEDURE [s: SubString, hti: HTIndex]
SubStringForHash: [SymTabDefs] PROCEDURE [SubString, HTIndex]
sUnbound: [SDDefs] CARDINAL=11
sUncaughtSignal: [SDDefs] CARDINAL=23
sUnimplemented: [SDDefs] CARDINAL=5
sUnnamedError: [SDDefs] CARDINAL=22
sUnNew: [SDDefs] CARDINAL=31
SuspendSymbolCache: [SymbolCache] PROCEDURE
SuspendSymbolCache: [SymbolTableDefs] PROCEDURE
SVPointer: [ControlDefs] TYPE=POINTER TO StateVector
SVPointer: [CoreSwapDefs] TYPE=SVPointer
sWakeupError: [SDDefs] CARDINAL=3
SwapError: [SegmentDefs] SIGNAL [seg: FileSegmentHandle]
SwapError: [Swapper] SIGNAL [seg: FileSegmentHandle]
SwapErrorDuringMakeCheck: [CheckPoint] SIGNAL
SwapErrorDuringMakeCheck: [ImageDefs] SIGNAL
SwapErrorDuringMakeImage: [ImageDefs] SIGNAL
SwapErrorDuringMakeImage: [MakeImage] SIGNAL
SwapIn: [SegmentDefs] PROCEDURE [seg: FileSegmentHandle]
SwapIn: [Swapper] PROCEDURE [seg: FileSegmentHandle]
SwapInCode: [FrameDefs] PROCEDURE [f: GlobalFrameHandle]
SwapInCode: [Resident] PROCEDURE [f: GlobalFrameHandle]
SwapOut: [SegmentDefs] PROCEDURE [seg: FileSegmentHandle]
SwapOut: [Swapper] PROCEDURE [seg: FileSegmentHandle]
SwapOutCode: [FrameDefs] PROCEDURE [f: GlobalFrameHandle]
SwapOutCode: [Swapper] PROCEDURE [f: GlobalFrameHandle]

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SwapOutDuringMakeCheck: [CheckPoint] SIGNAL
 SwapOutDuringMakeCheck: [ImageDefs] SIGNAL
 SwapOutDuringMakeImage: [ImageDefs] SIGNAL
 SwapOutDuringMakeImage: [MakeImage] SIGNAL
 SwapOutUnlocked: [MakeImageUtilities] PROCEDURE [s: FileSegmentHandle] RETURNS [BOOLEAN]
 SwapOutUnlocked: [MIUtilityDefs] PROCEDURE [s: FileSegmentHandle] RETURNS [BOOLEAN]
 SwapOutUnlockedCode: [MakeImageUtilities] PROCEDURE [f: GlobalFrameHandle] RETURNS [BOOLEAN]
 SwapOutUnlockedCode: [MIUtilityDefs] PROCEDURE [f: GlobalFrameHandle] RETURNS [BOOLEAN]
 SwapPages: [DiskDefs] PROCEDURE [arg: POINTER TO swap DiskRequest] RETURNS [page: PageNumber, byte: CARDINAL]
 SwapPages: [DiskIO] PROCEDURE [arg: POINTER TO swap DiskRequest] RETURNS [PageNumber, CARDINAL]
 Swapper: [NucleusDefs] PROGRAM [ffvmp: PageNumber, lfvmp: PageNumber]
 SwappingProcedure: [AllocDefs] TYPE=PROCEDURE [needed: PageCount, info: AllocInfo, seg: SegmentHandle] RETURNS [BOOLEAN]
 SwapReason: [CoreSwapDefs] TYPE={proceed, start, call, resume, quit, showscreen, kill, install, breakpoint, worrybreak, uncaughtsignal, explicitcall, return, punt, interrupt, cleanmaplog}
 SwapStrategy: [AllocDefs] TYPE=RECORD[link: POINTER TO SwapStrategy, proc: SwappingProcedure]
 SwapTrapDuringMakeCheck: [CheckPoint] SIGNAL
 SwapTrapDuringMakeCheck: [ImageDefs] SIGNAL
 SwapTrapDuringMakeImage: [ImageDefs] SIGNAL
 SwapTrapDuringMakeImage: [MakeImage] SIGNAL
 SwapUp: [SegmentDefs] PROCEDURE [seg: FileSegmentHandle]
 SwapUp: [Swapper] PROCEDURE [seg: FileSegmentHandle]
 SwatLevel: [ProcessDefs] InterruptLevel=3
 SWRITE: [DebugUsefulDefs] PROCEDURE [a: UNSPECIFIED, v: UNSPECIFIED]
 sWriteProtect: [SDDefs] CARDINAL=10
 sXferTrap: [SDDefs] CARDINAL=4
 SymbolCacheSize: [SymbolCache] PROCEDURE RETURNS [pages: CARDINAL]
 SymbolCacheSize: [SymbolTableDefs] PROCEDURE RETURNS [pages: CARDINAL]
 SymbolSegForFrame: [DebugUsefulDefs] PROCEDURE [f: GlobalFrameHandle] RETURNS [seg: FileSegmentHandle]
 SymbolTableBase: [SymbolTableDefs] TYPE=POINTER TO FRAME [SymbolTable]
 SymbolTableBase: [SymbolTable] TYPE=POINTER TO FRAME [SymbolTable]
 SymbolTableHandle: [SymbolTableDefs] TYPE=RECORD[segment: PRIVATE FileSegmentHandle]
 symtaberase: [SymTabDefs] PROCEDURE
 symtabinit: [SymTabDefs] PROCEDURE
 SystemTable: [BootDefs] TYPE=RECORD[pagemap: POINTER TO PageMap, table: TableHandle]
 SystemTableHandle: [BootDefs] TYPE=POINTER TO SystemTable
 sZeroDivisor: [SDDefs] CARDINAL=12
 TAB: [IODefs] CHARACTER=11C
 Table: [BootDefs] TYPE=RECORD[free: Frob Object, link: TableHandle, seg: DataSegmentHandle]
 TableBase: [TableDefs] TYPE=[0..17777B]
 TableBounds: [Allocator] PROCEDURE [table: TableSelector] RETURNS [TableBase, CARDINAL]
 TableBounds: [TableDefs] PROCEDURE [table: TableSelector] RETURNS [base: TableBase, size: CARDINAL]
 TableFailure: [Allocator] ERROR [TableSelector]
 TableFailure: [TableDefs] ERROR [table: TableSelector]
 TableFinger: [TableDefs] TYPE=POINTER TO TableBase
 TableForSegment: [SymbolCache] PROCEDURE [seg: FileSegmentHandle] RETURNS [SymbolTableHandle]
 TableForSegment: [SymbolTableDefs] PROCEDURE [seg: FileSegmentHandle] RETURNS [SymbolTableHandle]
 TableHandle: [BootDefs] TYPE=POINTER TO Table
 TableIndex: [TableDefs] TYPE=POINTER[0..37777B]
 TableLimit: [BcdDefs] CARDINAL=40000B
 TableLimit: [BcdTabDefs] CARDINAL=40000B
 TableLimit: [TableDefs] CARDINAL=40000B
 TableNotifier: [TableDefs] TYPE=PROCEDURE [base: DESCRIPTOR FOR ARRAY CARDINAL OF TableBase]
 tableopen: [LoaderUtilities] BOOLEAN
 TableOverflow: [Allocator] SIGNAL RETURNS [Region]
 TableOverflow: [TableDefs] SIGNAL RETURNS [Region]
 TableSelector: [BcdDefs] TYPE=TableSelector
 TableSelector: [TableDefs] TYPE=CARDINAL
 TableSize: [MakeImageUtilities] CARDINAL=7400B
 tb: [SymbolTable] TableBase
 ThisIsTheOne: [LoaderUtilities] PROCEDURE [fp: POINTER TO FP, file: FileTable] RETURNS [BOOLEAN]
 Ticks: [ProcessDefs] TYPE=CARDINAL
 TicksToMsec: [ProcessDefs] PROCEDURE [Ticks] RETURNS [CARDINAL]
 TicksToMsec: [Process] PROCEDURE [ticks: Ticks] RETURNS [CARDINAL]
 TIME: [AltoFileDefs] TYPE=MACHINE DEPENDENT RECORD[high: CARDINAL, low: CARDINAL]
 TimedOut: [ProcessDefs] SIGNAL
 TimedOut: [Process] SIGNAL
 TimeoutLevel: [ProcessDefs] InterruptLevel=4
 TimerGrain: [ProcessDefs] CARDINAL=50
 TooManyProcesses: [ProcessDefs] ERROR
 TooManyProcesses: [Process] ERROR

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TraceNext: [TrapDefs] TrapStatus
TraceOff: [TrapDefs] TrapStatus
TransferMode: [SymDefs] TYPE={procedure, port, signal, error, process, program, none}
TransferTypes: [SymbolTable] PROCEDURE [type: SEIndex] RETURNS [typeIn: recordCSEIndex, typeOut:
    recordCSEIndex]
TransferTypes: [SymTabDefs] PROCEDURE [SEIndex] RETURNS [typeIn: recordCSEIndex, typeOut:
    recordCSEIndex]
TrapLink: [ControlDefs] ControlLink
TrapParameter: [TrapDefs] TYPE=RECORD[SELECT OVERLAID * FROM other => [link: ControlLink], localCall
    => [op: CARDINAL], return => [frame: FrameHandle] ENDCASE]
TrapReason: [TrapDefs] TYPE={other, localCall, return}
TrapState: [TrapDefs] TYPE={off, on, pending}
TrapStatus: [TrapDefs] TYPE=MACHINE DEPENDENT RECORD[fill1: [0..127], reason: TrapReason, fill2:
    [0..31], state: TrapState]
treetype: [BcdDefs] TableSelector=0
TrimTable: [Allocator] PROCEDURE [table: TableSelector, size: CARDINAL]
TrimTable: [TableDefs] PROCEDURE [table: TableSelector, size: CARDINAL]
TruncateDiskStream: [StreamDefs] PROCEDURE [stream: StreamHandle]
TruncateDiskStream: [StreamsB] PROCEDURE [stream: StreamHandle]
TruncateFileIndex: [BootDefs] PROCEDURE [page: PageNumber, byte: CARDINAL] RETURNS [PageNumber,
    CARDINAL]
TruncateFileIndex: [Files] PROCEDURE [page: PageNumber, byte: CARDINAL] RETURNS [PageNumber, CARDINAL]
TryCodeSwapping: [AllocDefs] SwappingProcedure
TryCodeSwapping: [Swapper] SwappingProcedure
typeANY: [SymDefs] CSEIndex
TypeClass: [SymDefs] TYPE={mode, basic, enumerated, record, pointer, array, arraydesc, transfer,
    definition, union, relative, subrange, long, real, nil}
TypeForm: [SymbolTable] PROCEDURE [type: SEIndex] RETURNS [TypeClass]
TypeForm: [SymTabDefs] PROCEDURE [SEIndex] RETURNS [TypeClass]
TypeLink: [SymbolTable] PROCEDURE [type: SEIndex] RETURNS [SEIndex]
TypeLink: [SymTabDefs] PROCEDURE [SEIndex] RETURNS [SEIndex]
TypeRoot: [SymbolTable] PROCEDURE [type: SEIndex] RETURNS [root: CSEIndex]
TypeRoot: [SymTabDefs] PROCEDURE [SEIndex] RETURNS [CSEIndex]
typescript: [SystemDisplay] DiskHandle
typeTYPE: [SymDefs] CSEIndex
UBBPointer: [CoreSwapDefs] TYPE=POINTER TO UserBreakBlock
UnboundLink: [BcdDefs] ControlLink
UnboundProcedure: [Resident] SIGNAL [dest: ControlLink] RETURNS [ControlLink]
UnboundProcedure: [TrapDefs] SIGNAL [dest: ControlLink] RETURNS [ControlLink]
uncaughtsignalDP: [CoreSwapDefs] TYPE=POINTER TO uncaughtsignal DebugParameter
UnderType: [SymbolTable] PROCEDURE [type: SEIndex] RETURNS [CSEIndex]
UnderType: [SymTabDefs] PROCEDURE [SEIndex] RETURNS [CSEIndex]
UnDisplayBitmap: [RectangleDefs] PROCEDURE [mapdata: BMHandle]
UnDisplayBitmap: [RectanglesB] PROCEDURE [mapdata: BMHandle]
UnlinkDisplayWindow: [WindowDefs] PROCEDURE [WindowHandle]
UnlinkDisplayWindow: [WindowsA] PROCEDURE [w: WindowHandle]
Unlock: [SegmentDefs] PROCEDURE [seg: FileSegmentHandle]
Unlock: [Swapper] PROCEDURE [seg: FileSegmentHandle]
UnlockCode: [FrameDefs] PROCEDURE [link: UNSPECIFIED]
UnlockCode: [Miscellaneous] PROCEDURE [link: UNSPECIFIED]
UnlockCodeSegment: [MakeImageUtilities] PROCEDURE [p: ProcDesc ControlLink]
UnlockCodeSegment: [MIUtilityDefs] PROCEDURE [p: ProcDesc ControlLink]
UnlockedEmpty: [ProcessDefs] MonitorLock
UnlockFile: [Files] PROCEDURE [file: FileHandle]
UnlockFile: [SegmentDefs] PROCEDURE [file: FileHandle]
UnNew: [FrameDefs] PROCEDURE [frame: GlobalFrameHandle]
UnNewConfig: [LoaderDefs] PROCEDURE [frame: GlobalFrameHandle]
UnNewConfig: [UnNewConfig] PROCEDURE [frame: GlobalFrameHandle]
UnpackDT: [TimeConvert] PROCEDURE [p: PackedTime] RETURNS [unp: UnpackedTime]
UnpackDT: [TimeDefs] PROCEDURE [PackedTime] RETURNS [UnpackedTime]
UnpackedTime: [TimeDefs] TYPE=RECORD[year: [0..4002B], month: [0..11], day: [0..31], hour: [0..23],
    minute: [0..59], second: [0..59], weekday: [0..6], zone: [177764B..12], dst: BOOLEAN]
UnrecoverableDiskError: [DiskDefs] SIGNAL [cb: CBptr]
UnrecoverableDiskError: [DiskIO] SIGNAL [cb: CBptr]
UnusableLevel: [ProcessDefs] InterruptLevel=15
UpdateBitmap: [RectangleDefs] PROCEDURE [mapdata: BMHandle] RETURNS [DCBptr]
UpdateBitmap: [RectanglesB] PROCEDURE [mapdata: BMHandle] RETURNS [DCBptr]
UpdateDiskKD: [DiskKDDefs] PROCEDURE
UpdateDiskKD: [DiskKD] PROCEDURE
UpdateFileLength: [Files] PROCEDURE [file: FileHandle, fa: POINTER TO FA]
UpdateFileLength: [SegmentDefs] PROCEDURE [file: FileHandle, fa: POINTER TO FA]
UpdateLoadState: [LoadStateDefs] PROCEDURE [bcd: ConfigIndex, bcdseg: FileSegmentHandle, unresolved:

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    BOOLEAN, exports: BOOLEAN]
UpdateLoadState: [LoadState] PROCEDURE [bcd: ConfigIndex, bcdseg: FileSegmentHandle, unresolved:
    BOOLEAN, exports: BOOLEAN]
UpdateLoadStateDA: [LoadStateDefs] PROCEDURE [bcdseg: FileSegmentHandle]
UpdateLoadStateDA: [LoadState] PROCEDURE [bcdseg: FileSegmentHandle]
UpdateSelection: [Menus] PROCEDURE [w: WindowHandle]
UpdateSelection: [WindowDefs] PROCEDURE [w: WindowHandle]
updown: [KeyDefs] TYPE={down, up}
UserBreakBlock: [CoreSwapDefs] TYPE=RECORD[frame: GlobalFrameHandle, pc: WordPC, ptrL: POINTER, ptrR:
    POINTER, posnL: [0..15], posnR: [0..15], sizeL: [1..16], sizeR: [1..16], inst: [0..255], relation:
    Relations, immediateR: BOOLEAN, counterL: BOOLEAN, localL: BOOLEAN, localR: BOOLEAN]
UserCleanupProc: [ImageDefs] CleanupProcedure
UserCleanupProc: [Miscellaneous] CleanupProcedure
ValidateGlobalFrame: [FrameDefs] PROCEDURE [GlobalFrameHandle]
ValidateGlobalFrame: [NonResident] PROCEDURE [g: GlobalFrameHandle]
ValidateObject: [BootDefs] PROCEDURE [ObjectHandle]
ValidateObject: [Swapper] PROCEDURE [object: ObjectHandle]
ValidateProcess: [ProcessDefs] PROCEDURE [ProcessHandle]
ValidateProcess: [Process] PROCEDURE [p: ProcessHandle]
vDA: [A1toFileDefs] TYPE=RECORD[CARDINAL]
vDA: [MIUtilityDefs] TYPE=vDA
vDC: [A1toFileDefs] TYPE={ReadHLD, ReadLD, ReadD, WriteHLD, WriteLD, WriteD, SeekOnly, DoNothing}
VersionID: [BcdDefs] CARDINAL=2364B
VersionID: [SymDefs] CARDINAL=10026B
VersionMismatch: [LoaderDefs] SIGNAL [name: STRING]
VersionMismatch: [Loader] SIGNAL [name: STRING]
VersionOptions: [SegmentDefs] TYPE=[0..3]
VersionStamp: [BcdDefs] TYPE=RECORD[zapped: BOOLEAN, net: [0..127], host: BYTE, time: PackedTime]
VirtualDA: [DiskDefs] PROCEDURE [da: DA] RETURNS [vDA]
VirtualDA: [DiskIO] PROCEDURE [da: DA] RETURNS [vDA]
visiblectxentries: [SymTabDefs] PROCEDURE [CTXIndex] RETURNS [CARDINAL]
VMLimit: [A1toDefs] CARDINAL=177777B
VMnotFree: [SegmentDefs] SIGNAL [base: PageNumber, pages: PageCount]
VMnotFree: [Swapper] SIGNAL [base: PageNumber, pages: PageCount]
VMtoDataSegment: [SegmentDefs] PROCEDURE [a: POINTER] RETURNS [DataSegmentHandle]
VMtoDataSegment: [Segments] PROCEDURE [a: POINTER] RETURNS [DataSegmentHandle]
VMtoFileSegment: [SegmentDefs] PROCEDURE [a: POINTER] RETURNS [FileSegmentHandle]
VMtoFileSegment: [Segments] PROCEDURE [a: POINTER] RETURNS [FileSegmentHandle]
VMtoSegment: [SegmentDefs] PROCEDURE [a: POINTER] RETURNS [SegmentHandle]
VMtoSegment: [Segments] PROCEDURE [a: POINTER] RETURNS [SegmentHandle]
Wait: [ProcessDefs] PROCEDURE [POINTER TO MONITORLOCK, POINTER TO CONDITION, CARDINAL]
wakeup: [Keyboard] CONDITION
Wart: [NucleusDefs] PROGRAM [h: POINTER TO BootScriptHeader] RETURNS [PROGRAM]
WDCreg: [ControlDefs] CARDINAL=1
WestEast: [TimeDefs] TYPE={west, east}
WholsFTSelf: [BcdMerge] PROCEDURE RETURNS [FTIndex]
WindowHandle: [WindowDefs] TYPE=POINTER TO DisplayWindow
WindowsB: [WindowDefs] PROGRAM [STRING]
WindowType: [WindowDefs] TYPE={clear, random, scratch, file, scriptfile}
WordFill: [SymbolTable] CARDINAL=15
wordlength: [A1toDefs] CARDINAL=16
WordLength: [SymbolTable] CARDINAL=16
WordOffset: [SymDefs] TYPE=CARDINAL
WordPC: [ControlDefs] TYPE=RECORD[INTEGER]
WordsForBcplString: [StringDefs] PROCEDURE [nchars: CARDINAL] RETURNS [CARDINAL]
WordsForBcplString: [Strings] PROCEDURE [nchars: CARDINAL] RETURNS [CARDINAL]
WordsForString: [StringDefs] PROCEDURE [nchars: CARDINAL] RETURNS [CARDINAL]
WordsForString: [Strings] PROCEDURE [nchars: CARDINAL] RETURNS [CARDINAL]
WordsForType: [SymbolTable] PROCEDURE [type: SEIndex] RETURNS [CARDINAL]
WordsForType: [SymTabDefs] PROCEDURE [SEIndex] RETURNS [CARDINAL]
Write: [SegmentDefs] AccessOptions=2
Write: [StreamDefs] AccessOptions=2
WriteBlock: [StreamDefs] PROCEDURE [stream: StreamHandle, address: POINTER, words: CARDINAL] RETURNS
    [CARDINAL]
WriteBlock: [StreamsA] PROCEDURE [stream: StreamHandle, address: POINTER, words: CARDINAL] RETURNS
    [CARDINAL]
WriteChar: [IODefs] PROCEDURE [CHARACTER]
WriteChar: [StreamIO] PROCEDURE [c: CHARACTER]
WriteDecimal: [IODefs] PROCEDURE [INTEGER]
WriteDecimal: [StreamIO] PROCEDURE [n: INTEGER]
WriteDisplayChar: [Display] PROCEDURE [stream: StreamHandle, char: UNSPECIFIED]
WriteDisplayChar: [StreamDefs] PROCEDURE [stream: StreamHandle, char: CHARACTER]

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WriteLine: [IODefs] PROCEDURE [STRING]
WriteLine: [StreamIO] PROCEDURE [s: STRING]
WriteMergedBcd: [BcdMergeDefs] PROCEDURE [movewords: PROCEDURE [POINTER, CARDINAL]]
WriteMergedBcd: [BcdMerge] PROCEDURE [movewords: PROCEDURE [POINTER, CARDINAL]]
WriteNumber: [IODefs] PROCEDURE [UNSPECIFIED, NumberFormat]
WriteNumber: [StreamIO] PROCEDURE [v: UNSPECIFIED, f: NumberFormat]
WriteOctal: [IODefs] PROCEDURE [UNSPECIFIED]
WriteOctal: [StreamIO] PROCEDURE [n: UNSPECIFIED]
WritePages: [BFSDefs] PROCEDURE [arg: POINTER TO extend DiskRequest] RETURNS [page: PageNumber, bytes:
CARDINAL]
WritePages: [BFS] PROCEDURE [arg: POINTER TO extend DiskRequest] RETURNS [page: PageNumber, bytes:
CARDINAL]
WriteRectangleChar: [RectangleDefs] PROCEDURE [rectangle: Rptr, x: xCoord, y: yCoord, char: CHARACTER,
pfont: FAptr] RETURNS [xCoord, yCoord]
WriteRectangleChar: [RectanglesA] PROCEDURE [rectangle: Rptr, x: xCoord, y: yCoord, char: CHARACTER,
pfont: FAptr] RETURNS [xCoord, yCoord]
WriteRectangleString: [RectangleDefs] PROCEDURE [rectangle: Rptr, x: xCoord, y: yCoord, str: STRING,
pfont: FAptr] RETURNS [xCoord, yCoord]
WriteRectangleString: [RectanglesA] PROCEDURE [rectangle: Rptr, x: xCoord, y: yCoord, str: STRING,
pfont: FAptr] RETURNS [xCoord, yCoord]
WriteString: [IODefs] PROCEDURE [STRING]
WriteString: [StreamIO] PROCEDURE [s: STRING]
xCoord: [RectangleDefs] TYPE=[0..606]
xCoord: [WindowDefs] TYPE=xCoord
XferMode: [SymbolTable] PROCEDURE [type: SEIndex] RETURNS [TransferMode]
XferMode: [SymTabDefs] PROCEDURE [SEIndex] RETURNS [TransferMode]
XMAallocOnDrum: [DebugXMDefs] PROCEDURE [GlobalFrameHandle] RETURNS [POINTER]
XMFreeOnDrum: [DebugXMDefs] PROCEDURE [GlobalFrameHandle]
XMRead: [DebugXMDefs] PROCEDURE [LONG POINTER] RETURNS [UNSPECIFIED]
XMWrite: [DebugXMDefs] PROCEDURE [LONG POINTER, UNSPECIFIED]
XTPreg: [ControlDefs] CARDINAL=3
XTSreg: [ControlDefs] CARDINAL=2
yCoord: [RectangleDefs] TYPE=[0..808]
yCoord: [WindowDefs] TYPE=yCoord
Yield: [ProcessDefs] PROCEDURE
Yield: [Process] PROCEDURE
Zero: [DiskIO] PROCEDURE [p: POINTER, l: CARDINAL]
Zero: [MiscDefs] PROCEDURE [p: POINTER, l: CARDINAL]
ZoneHeader: [FSPDefs] TYPE=RECORD[node: PRIVATE free NodeHeader, rover: PRIVATE FreeNodePointer, lock:
PRIVATE MONITORLOCK, restOfZone: PRIVATE ZonePointer, length: PRIVATE BlockSize, deallocate:
PRIVATE Deallocator, threshold: BlockSize, checking: BOOLEAN]
ZoneOverhead: [FSPDefs] CARDINAL=10
ZonePointer: [FSPDefs] TYPE=POINTER TO ZoneHeader
ZoneTooSmall: [FSPDefs] ERROR [POINTER]
ZoneTooSmall: [FSP] ERROR [POINTER]

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