



Tech Info Library

Pascal: Intrinsic unit for Silentype procedures (2 of 3)

Revised: 12/5/84
Security: Everyone

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Implementation

```
Procedure ROMEnable;
  CONST ROMSOFF= -12289;
         ROMON= -16128;
  Type Window= packed array [0..0] OF 0..255;
  Var ADDR: integer;
      P: ^Window;
  Begin
    ADDR:=ROMSOFF;
    MoveLeft(ADDR,P,2);
    P^[0]:=0;
    ADDR:=ROMON;
    MoveLeft(ADDR,P,2);
    P^[0]:=0
  End;

Procedure SetByteValue;
  Type Window= packed array [0..0] OF 0..255;
  Var ADDR: integer;
      P: ^Window;
  Begin
    ROMEnable;
    ADDR:=LOC;
    MoveLeft(ADDR,P,2);
    P^[0]:=Value
  End;

Function ByteValue;
  Type Window= packed array [0..0] OF 0..255;
  Var ADDR: integer;
      P: ^Window;
  Begin
    ROMEnable;
    ADDR:=LOC;
    MoveLeft(ADDR,P,2);
```

```
    ByteValue:=P^[0]
End;

Procedure Send;
  CONST PrintUnit= 6;
  Begin
    UnitWrite(PrintUnit,CH,1,0,12)
  End;

Procedure SetUnitDirect;
  CONST MaxByte= 255;
    Direction= -12529;
  Begin
    SetByteValue(Direction,MaxByte)
  End;

Procedure SetBiDirect;
  CONST MinByte= 0;
    Direction= -12529;
  Begin
    SetByteValue(Direction,MinByte)
  End;

Function UniDirect;
  CONST MaxByte= 255;
    MinByte= 0;
    Direction= -12529;
  Begin
    Case ByteValue(Direction) Of
      MinByte: UniDirect:=False;
      MaxByte: UniDirect:=True
    End
  End;

Procedure SetNegative;
  CONST MinByte= 0;
    Flip= -12524;
  Begin
    SetByteValue(Flip,Minbyte)
  End;

Procedure SetPositive;
  CONST MaxByte= 255;
    Flip= -12524;
  Begin
    SetByteValue(Flip,MaxByte)
  End;

Function Negative;
  CONST MaxByte= 255;
    MinByte= 0;
    Flip= -12524;
  Begin
```

```
      Case ByteValue(Flip) Of
        MinByte: Negative:=True;
        MaxByte: Negative:=False
      End
    End;

Procedure SetPage;
  CONST GraphPage =-12525;
  Begin
    If Page=2 Then Page:=64
      Else Page:=32;
    SetByteValue(GraphPage,Page)
  End;

Procedure SetDark;
  CONST INTEN= -12528;
  Begin
    If Darkness<0 Then Darkness:=0;
    If Darknes>7 Then Darkness:=7;
    SetByteValue(INTEN,Darkness)
  End;

Function Dark;
  CONST INTEN= -12528;
  Begin
    Dark:=ByteValue(INTEN)
  End;

Procedrue SetForm;
  CONST FormLength= -12531;
  Begin
    If Length<0 Then Length:=0;
    If Length>255 Then Length:=255;
    SetByteValue(Formlength,length)
  End;
```

Apple Tech Notes

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