

```

    VSUMMAV
    V Z←SUM N
    [1] Z←N/N
    A
    VAVGMAV
    V Z←AVG N
    [1] Z←(+/N)÷PN
    A
    VMAXMAV
    V Z←MAX N
    [1] Z←1/N
    A
    VMINMIN
    V Z←MIN N
    [1] Z←1/N
    A
    VANDMAV
    V Z←A AND B
    [1] Z←A,B
    A
    VWITHMAV
    V Z←A WITH B
    [1] Z←B/A
    A
    )FNS

```

MAIN FINDR THE A AN OF SUM AVG AND THAT WITH MAX MIN IF NUMBER
 BOX EVAL PROMPT AMORT SPRD CNV MSG1 INFO INF1
 MENU1 CALC TAKE DROP INF2 INF3 WAIT INF8 INF5
 INF7 INF4 INF6 HIST SIN COS PLOT SCALE TREND
 D PRT TELLY PRT1

```

    VBOXAV
    V Z←BOX M;I
    [1] Z←((I←M=M111)/\PM),1+\PM+,M
    [2] Z←(PZ)\P,(Z←Z+.2\I/Z←(Z-.1@Z+1)\I+((PZ)-1)\N(\I)/M
    A
    VIFIIFIA
    V Z←A IF B
    [1] Z←B/A
    A
    VNUMBERIFI
    V Z←NUMBER A
    [1] Z←PA
    A
    VCALCIFI
    V CALC
    [1] 'CALCULATOR'
    [2] '

```

PRT
 HELLO BOB, HERE IS A PRINTER TEST FOR BAHIA GOOD LUCK
 HELLO BOB, HER
 PRT[2]

R VAMORT DIV
 ▽ AMORT; P; U; I; J; K; B; T; N;
 [1] B←PROMPT 'AMOUNT OF LOAN'
 [2] N←PROMPT 'NUMBER OF PAYMENTS'
 [3] J←I+I+0.01×PROMPT 'INTEREST (PERCENT/PERIOD)'
 [4] P←0.01×T100×B×I÷1-J+N
 [5] 'PAYMENTS ARE'; P+K+N=0
 [6] A1:D←BLP-T←0.01×10.5+100×H
 [7] B, T, D
 [8] N=N+T
 [9] →A1 IF 0<B+B-D
 [10] 'TOTAL INTEREST PAID WILL BE'; I
 [11] →0 IF P=D+B-T
 [12] →0

▽
 WHIST DIV
 WAIT N C N E N Y N=N-NNNNNN C B T211Z YOZ ISR
 ((3xPx)(P1 0 0)\D.0.1+00X.2\1/X1)

▽ FVAL DIV
 ▽ FVAL
 [1] 'ENTER PRESENT SUM OF MONEY'
 [2] P←0
 [3] 'ENTER INTEREST RATE (PERCENT)'
 [4] I←0
 [5] 'ENTER NUMBER OF PERIODS'
 [6] N←0
 [7] 'FUTURE VALUE:'; Px(1+I÷100)×N

▽
 AD10 DIV
 ▽ D
 [1] 4 63P('SCAMP, THE', D11?8; 1, D21?8; 1, . . .)
 [2] .
 [3] 63P 'GO SCAMP'
 [4] .
 [5] →1

▽
 D1

FANTASTIC
 GREAT
 WONDERFUL
 MARVELOUS
 SUPER
 GROOVEY
 NUMBER 1
 NOW

D2

MACHINE
 MECHANISM
 DEVICE
 PRODUCT
 GENERATION
 OFFERING
 CHOICE
 COMPUTER

VMAIN DIV
 DEFN ERROR

MAIN[DIV]

)FNS

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D PRT TELLY PRT1

VTAKE[DIV]

▽ Z=LIST FINDR WORD: D1=Z W W M W S J. QIOTAKAO B;S
[1] →(2=pS+(A+PB)XA<0)/M
[2] →0, PR←(,);IS+1,IA]
[3] M:R←BLS[1]+,IA[1];S[2]-,IA[2])

▽

VDROP[DIV]

M:R←BLS[1]+,IA[1];S[2]-,IA[2])S M C B A R A A VVVV Z L
P GNR R:EDROAD B;S
[1] →(2=p,S+(AXA>0))/M
[2] →0, PR←(,B)(S+1,(P,B)-IA)
[3] M:R←BLS[1]+,(PB)[1]-IA[1];S[2]+,(PB)[2]-IA[2])

▽

VSIN[DIV]

R←SIN X
[1] R←(XPI-(2×PI)IX)X((PIIX)◦,XR)-,IR←-1+2×10

▽

VCOS[DIV]

R←COS X

[1] R←SIN X+0.5×PI

▽

VPLOT[DIV]

▽ A PLOT B;I;J

[1] A←15 SCALE A+0
[2] B←60 SCALE B+0
[3] I←15
[4] J←160
[5] ' '+,[1]+JE(I=A)/B]
[6] →5×0<I<I-1

▽

VSCALE[DIV]

▽ Z+N SCALE V

[1] Ze1+16.5+(N-1)×(V-L/V)-(L/V)-L/V

▽

VTREND[DIV]

▽ TREND: I;A;B;X;Y;SX;SY;SX2;SXY;N;END
END←(NSX+SY-SX2+SXY←0
[2] 'ENTER X Y PAIRS, OR "END" TO STOP'
[3] →10 2 4 2[0 1 2\PI,0]
[4] N+N+1
[5] SX←SX+II[1]
[6] SY←SY+II[2]
[7] SX2←SX2+II[1]×II[1]
[8] SXY←SXY+X/I
[9] →3
[10] B←((NXSXY)-SX×SY)/(NXSXY)-SXXSX
[11] A←(SY-B×SX)÷N
[12] 'Y';A;'+';B; 'XX.'
[13] 'ENTER X POINTS, OR "END" TO STOP'
[14] →(0=PX+,0)/0
[15] Q(2,PX)PX,A+BXX
[16] →13

▽

)FNS

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PRT
HELLO BOB, HERE IS A PRINTER TEST FOR BAHIA GOOD LUCK
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PRT1

→0

PRT1

VPRTR1[DIV]

▽ PRT1

→0

PRT1

▽ ERASE PRT1

VALUE ERROR

ERASE PRT1

CLEAR PRT1

VALUE ERROR

CLEAR PRT1

^
VPRTR1[DIV]

NIC

[2] →17

PRT1

THE QUICK DENNIS ROBERSON JUMPED OVER THE MAYO CLINIC
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MAIN
YOUR PERSONAL COMPUTER IS NOW AT YOUR SERVICE.
KEY IN HELP FOR OPERATIONAL INSTRUCTIONS OR
ONE OF THE FOLLOWING TOPICS:

CALCULATOR
FINANCIAL ANALYSIS
PROJECT PLANNING
EDUCATIONAL DRILL
ENGINEERING ANALYSIS
STATISTICAL ANALYSIS

ENTER "DESCRIBE" FOLLOWED BY TOPIC NAME FOR MORE INFORMATION.
DESCRIBE CAL

THE CALCULATOR FUNCTION ALLOWS YOU TO APPLY SIMPLE ENGLISH
EXPRESSIONS TO PERFORM CALCULATIONS ON YOUR DATA. FOR EXAMPLE--
-SUM DATA-WILL ADD ALL DATA ITEMS TOGETHER AND RETURN THE SUM.
-AVG DATA-RETURNS THE AVERAGE OF ALL DATA ITEMS.
-NUMBER DATA-RETURNS THE NUMBER OF ITEMS IN DATA.
-MAX DATA-RETURNS THE MAXIMUM ELEMENT OF DATA.
-MIN DATA-RETURNS THE MINIMUM ELEMENT OF DATA.
-IF OR WITH-ALLOWS THE USE OF THE ARITHMETIC RELATIONS
 $<, \leq, =, \geq, >$ (I.E. LT, LTE, EQ, GTE, GT).

E X A M P L E S

THE NUMBER OF BAL WITH BAL <0

THE SUM OF BAL WITH BAL ≥ 50

THE AVG BAL

THE SUM OF 35 14.6 22 AND THE AVG OF 2 3 4

HIT R TO RESUME OPERATION, HIT H FOR MORE HELP.

R

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DESCRIBE FIN

THE FINANCIAL ANALYSIS CASSETTE PROVIDES A TOOL WHICH
ALLOWS YOU TO CALCULATE THE EFFECT OF VARIOUS FINANCIAL
INVESTMENT POLICIES. THE MAIN QUANTITIES WHICH CAN BE
VARIED BY YOU OR CALCULATED BY YOUR PERSONAL COMPUTER
ARE AS FOLLOWS:

T--A FUTURE TARGET VALUE TO BE ACHIEVED

N--THE NUMBER OF PAYMENT PERIODS

P--THE PER PERIOD PAYMENT AMOUNT

R--THE PAYMENT GROWTH RATE (PERCENT)

THE RESULT OF A GIVEN POLICY IS THEN COMPARED TO AN
ALTERNATE INVESTMENT HAVING A SPECIFIED RATE OF RETURN
(I.E. DISCOUNT RATE).
HIT R TO RESUME OPERATION.