
SECURITY TOTAL
CASH

YTD COMMISSIONS=
DOW JONES INDUSTRIAL AVE.

TOTAL

IBM

\L

3

4

SYMS

```
{RECALC A231}{IF @ISERR(A231)=1}{RETURN}
```

```
{LET A233,@STRING(A231,0)}{LET A234,@STRING(A231+1,0)}{RECALC A239}
```

SYMP

```
{RECALC A232}{IF @ISERR(A232)=1}{RETURN}
```

```
{LET A233,@STRING(A232,0)}{LET A234,@STRING(A232+1,0)}{RECALC A245}
```

SYMSL

{RECALC A247}{IF @ISERR(A247)=1}{RETURN}

{LET A233,@STRING(A247,0)}{LET A234,@STRING(A247+1,0)}{RECALC A251}

\M

{INDICATE MENU}{LET C485,"M"}{OFF}/WTC{HOME}{WINDOW}{GOTO}A51~{ON}{WINDOW}{BREAKOFF}{ONERROR G

{RESTART}{MENUBRANCH A273}{BRANCH A271}

ANALYSIS

PERFORM SECURITY ANALYSIS

{\C}

{\M}

\R

{INDICATE REPORT}

{RESTART}{MENUBRANCH A283}{\M}

GRAPH PORTFOLIO

SHOW PORTFOLIO BREAKDOWN IN BAR CHART FORM

{IF AD1=4}{NS}

{\F}

/WTC{HOME}{WINDOW}{GOTO}A51~{ON}{WINDOW}{\R}

{INDICATE TRANS}{restart}

{MENUBRANCH A293}{\M}

BUY

PURCHASE SECURITY WITH CASH FUNDS

Sheet1

```
{INDICATE BUY}{LET C292,1}{\A}  
{\T}
```

\U

```
{INDICATE "UPDATE"}{LET C485,"U"}{RESTART}{BREAKOFF}  
{BLANK AO4..AQ8192}{MENUBRANCH A303}{\M}  
HQFILE  
UPDATE EXISTING HQFILE  
{GETLABEL "ENTER THE SECURITY SYMBOL OR DESCRIPTION:",AG341}{IF AG341=""#OR#AG341=""}{\U}  
{LET AG350,1}{LET AG348,1}{LET AD352,"{BRANCH A307}"}{KA}  
{UHQ}
```

Y

{PGRAPH}

```
{INDICATE CHART}{LET E312,@MIN(U4..U8192)}{LET F310,@IF(@ISNA(@MAX(W4..X8192))=1#OR#@ISERR(@MAX(W  
{LET F311,@MAX(V4..V8192)}{LET AE432,"X"}{LET AF432,"W"}{BLANK AN4..AQ8192}{LET E310,1.02*F310}{CONTENTS  
{LET AD430,"50 PERIOD MA"}{LET AE430,"150 PERIOD MA"}{LET AF430,"PRICE CHART"}{OFF}{RESTART}  
{MENUBRANCH B314}{BRANCH A364}
```

{PSORT}

```
{INDICATE "SORT"}{LET E319,AD1-1}{CONTENTS E320,E319}{RECALC E322}{MENUBRANCH A323}  
{SORT}  
AMOUNT  
SORT BY TOTAL DOLLAR AMOUNT  
{RECALC A326}{INDICATE WAIT}{PANELOFF}{WINDOWSOFF}
```

{PANELON}{WINDOWSON}{PSORT}

CLEAR

```
{INDICATE RESET}{MENUBRANCH A333}  
{HOME}{BRANCH D336}  
PORTFOLIO  
CLEAR THE PORTFOLIO OF ALL SECURITIES  
{GETLABEL "ARE YOU SURE? (Y/N):",A309}  
{IF A309="Y"#OR#A309="y"}{PORTC}  
{HOME}  
{CLEAR}
```

{UHQ}

```
{OFF}{GOTO}R1~{DOWN 3}/WTH{END}{DOWN}{LET C339,0}{IF @CELLPOINTER("ROW")=8192}{END}{UP}  
{RESTART}{ON}{MENUBRANCH A343}/WTC{HOME}{\U}  
ADD DATE
```

Sheet1

ADD THE NEXT SEQUENTIAL DATE TO THE HQFILE

```
{OFF}{LET C339,1}{LET AC245,0}{GOTO}R4~{IF @VALUE(R4)=0}{BRANCH A348}  
{IF @VALUE(R5)=0}{DOWN}{BRANCH A348}  
{END}{DOWN}{DOWN}  
{ON}{\H}
```

```
{PRINT}
```

```
{RESTART}{RECALC B351}{INDICATE "PRINT"}{ONERROR B351}{GETLABEL "TURN PRINTER ON (HIT ENTER TO COM  
{MENUBRANCH A353}{\R}
```

CAPITAL GAINS

PRINT CAPITAL GAIN REPORT

```
{LET C349,AG45+3}{CONTENTS C350,C349}{RECALC C351}{RECALC A356}{INDICATE WAIT}{PANELOFF}{WINDOWSON}
```

```
{PANELON}{WINDOWSON}{BRANCH A352}
```

\C

```
{PANELON}{INDICATE ANLYZ}
```

```
{GETLABEL "ENTER THE THE SECURITY SYMBOL OR DESCRIPTION:",AG341}{IF AG341="\#OR#AG341=""}{BRANCH
```

```
{INDICATE WAIT}{BLANK K1..Q8192}{INDICATE ANLYZ}{LET AG350,1}{LET AD352,"{BRANCH A364}"}{KA}
```

```
{RESTART}{ROWT}{LET H341,0}{MENUBRANCH A366}
```

```
{\M}
```

PLOT

RETURN TO THE CHART MODE

```
{INDICATE CHART}
```

```
{LET H313,1}{PGRAPH}
```

SECEDIT

```
{RESTART}{MENUBRANCH A385}{TEDIT}
```

CHANGE SECURITY

MODIFY SECURITY DATA

```
{GETLABEL "ENTER THE DESCRIPTION OF THE SECURITY TO BE CHANGED:",B383}{IF B383="\#OR#B383=""}{SECE
```

```
{STKEDIT}
```

```
{SECEDIT}
```

MV

```
{RESTART}{MENUBRANCH A394}
```

Sheet1

{WINDOWSOFF}/WTC{HOME}{WINDOWSON}{VIEW}
4-LEFT
MOVE LEFT (TURN NUM LOCK ON)
{LEFT}
{MV}

VOLA

{RESTART}{INDICATE VOL}{LET C402,0}{BLANK AN4..AQ8192}{BLANK AN1..IV50}
{MENUBRANCH A403}{BRANCH A364}
ACC/DIST
WILLIAMS ACCUMUALTION/DISTRIBUTION FORMULA
{INDICATE WAIT}{BLANK AN4..AQ8192}{LET C402,1}{LET AO4,0}{OFF}/CAB394~AI334~{LET AJ329,"WILLIAMS ACC/DIS"
{LET H340,"ACC/DIST"}{LET AD325,"AO"}{LET AE325,"4"}{TECH}{OFF}{OBV1}QQ
{INDICATE ANLYZ}{BRANCH A402}

{RESTART}{INDICATE "MO"}{LET B412,0}{BLANK AN4..AO8192}{BLANK AN1..IV50}
{MENUBRANCH A413}
{BRANCH A364}
MOMENTUM
12 PERIOD PRICE DIFFERENCE (9 PERIOD EXP SMOOTHING)
{LET B412,1}{INDICATE WAIT}{MO}QVQ{ON}
{LET H340,"MOMENTUM"}{LET AD325,"AP"}{LET AE325,AM338}{TECH}{OFF}{MO1}QQ
{INDICATE ANLYZ}{BRANCH A411}

MAA

{INDICATE WAIT}{LET H417,J362}{BLANK K1..Q8192}{BLANK AN1..IV50}{BLANK AN4..AQ8192}{INDICATE MA}{LET G42
{RESTART}{MENUBRANCH A423}{BRANCH A364}
MA
PLOT SIMPLE 50 PERIOD MOVING AVERAGE (0 PERIOD SHIFT,0 %OFFSET)
{MAT}{INDICATE WAIT}{OFF}{LET B419,1}{LET A419,1}{RECALC A426..A428}

LEMA 4~LFMA 5~{RECALC A430}

{INDICATE MA}{BRANCH A422}

*

RSM

{RESTART}{INDICATE RS}{LET C435,0}{LET D435,0}{BLANK AN4..AQ8192}{BLANK AN1..IV50}{BLANK Z4..Z8192}
{MENUBRANCH A437}{BRANCH A364}
DOW
PLOT STOCK VS DOW RELATIVE STRENGTH
{INDICATE WAIT}{LET C435,1}{LET B435,AG341}{LET AG341,"IND"}
{BRANCH B440}

14

```
{VIEW}
{INDICATE "VIEW"}{RESTART}{MENUBRANCH A451}
{M}
CAPITAL GAINS
SEE THE CAPITAL GAINS REPORT
{LET F361,1}{WINDOWSOFF}{PANELOFF}{GOTO}A60~{DOWN 3}/WTH
{WINDOWSON}{PANELON}{MV}
```

\P

```
{LET C485,"P"}{INDICATE PORT}{RESTART}{ONERROR G276}{BLANK K1..Q8192}{MENUBRANCH A477}{M}
COMBINE
```

COMBINE ALL PORTFOLIOS INTO ONE

```
{LET D482,D483}{RC}{LET F483,"4"}{LET F484,"63"}{IF @VALUE(E475)=148}{GETLABEL "NO PORTFOLIOS TO COMBIN
{LET C475,"148"}{LET C484,"A481"}{LET AH147,0}{PORTC}{CGC}{OFF}{BLANK A64..G65}{LET C476,J148}{RECALC A48
```

```
{PC}{LET C475,@VALUE(C475)+1}{CONTENTS C475,C475}{LET C475,@TRIM(C475)}
{IF C475=E475}{BLANK K4..S200}{LET D476,"COMBINED"}{RECALC A54}{HOME}{ON}{\P}
```

```
{HOME}{IF AH347<2}{DISK}
```

```
{INDICATE DEL}{RESTART}{MENUBRANCH A495}
{\M}
ALL
REMOVE ALL PORTFOLIOS AND INITIALIZE WORKSHEET
{IF @VALUE(E475)=148}{GETLABEL "NO PORTFOLIOS TO DELETE (HIT ENTER TO CONT):",AE348}{PD}
{GETLABEL "ARE YOU SURE (Y/N)?:",AE348}
{IF AE348="N"#OR#AE348="n"}{PD}
{IF AE348="y"#OR#AE348="Y"}{CGC}{PORTC}{BRANCH A502}
{ERS}{BRANCH A498}
{PORTC}{CGC}{GOTO}A60~{ON}{WAIT @NOW+@TIME(0,0,2)}{HOME}{BLANK J148..J248}{LET J148,"NO PORTFOLIOS"}
{WAIT @NOW+@TIME(0,0,2)}{HOME}{LET E475,"148"}{LET D476,"PORT1"}{LET D475,"PORT1"}{RECALC A54}
{PD}
```

```
{OFF}{LET AG281,4}{LET G238,1}{IF AD1=4}{LET AG281,56}
{BRANCH B232}
{BLANK R4..X8192}{LET G231,AG283}{CONTENTS AG282,AG281}{RECALC AG283}{RECALC B233}{IF G257=1#AND#@
{IF @MID(G233,0,1)="*"}{BRANCH B260}

{LET A228,G233}{SYMS}{SYMP}{SYMSL}{LET G233,A228}{RECALC G234}
{OFF}{GOTO}R1~{RECALC B238}{LET G232,0}

{CONTENTS G239,G238}{RECALC G240}{IF AG281=4}{CQC}
{GOTO}R4~{ON}{OFF}/WTH{MVR}
{RECALC AF1}{RECALC B242}{RECALC G241}{LET AG314,G241}

{CONTENTS G242,G241}{RECALC G243}
{RIGHT 6}
```

Sheet1

```
{CONTENTS F246,F245}{RECALC F247}  
{CONTENTS G246,G245}{RECALC G247}{RECALC B248}
```

```
{CONTENTS F250,F249}{RECALC F251}{LET F255,@VALUE(F266)+4}{CONTENTS F255,F255}{LET F255,@TRIM(F255)}  
{RECALC B252}
```

```
{LET F254,G245-@VALUE(F266)+1}{CONTENTS F254,F254}{LET F254,@TRIM(F254)}{RECALC B254..B255}{IF G245<=F
```

```
{IF G245>13}{UP 9}{END}{DOWN}  
{ON}{WAIT @NOW+@TIME(0,0,1)}{OFF}{RECALC B257}{RECALC B259}
```

```
{BRANCH B259}
```

```
{IF AG281=AD1-1}{LET G238,G238+1}{LET AG281,56}/WTC{BRANCH B232}  
{IF AG281=56}/WTC{HOME}{BLANK AN4..AQ8192}{UR}  
{RESTART}{LET G238,G238+1}{LET AG281,AG281+1}/WTC{BRANCH B232}
```

DCHK

```
{IF F233="y"#OR#F233="Y"}{GOTO}R1~{ON}{RETURN}  
{IF F233="N"#OR#F233="n"}{GETLABEL "YOU MUST UPDATE HQFILES BEFORE ADDING CQ'S (HIT ENTER TO CONTI  
{GETLABEL "DATA ENTRY ERROR (HIT ENTER TO CONTINUE).":",C266}{BRANCH C230}  
{\s}
```

PORTFOLIO

```
CHANGE PORTFOLIO IN SPREADSHEET  
{LET E474,0}{\P}
```

PRINT

```
HARDCOPY OF PORTFOLIO RESULTS (TURN PRINTER ON)  
{PRINT}  
{\R}
```

SELL

```
SELL SECURITY AND ADD TO CASH RESERVES
```

Sheet1

```
{INDICATE SELL}{LET C292,1}{\B}  
{\T}
```

```
{IF AD1=4}{GETLABEL "NO SECURITIES IN PORTFOLIO TO UPDATE (HIT ENTER TO CONT):",B302}{\M}  
{RETURN}  
IND
```

ESTABLISH HQFILE

INITIALIZE SECURITY DATA FILE

```
{LET C484,"B311"}{LET AH347,0}{GETLABEL "ENTER THE SYMBOL OF THE SECURITY:",B300}{IF B300="\">#OR#B300=  
{GETLABEL "ARE YOU SURE HQFILE DOES NOT EXIST NOW (Y/N):",AM300}{IF AM300="\">#OR#AM300=""}{\U}  
{IF @TRIM(AM300)="Y">#OR#@TRIM(AM300)="y"}{BRANCH B310}  
{IF @TRIM(AM300)="N">#OR#@TRIM(AM300)="n"}{\U}  
{GETLABEL "DATA ENTRY ERROR, HIT ENTER TO RETRY:",AM300}{BRANCH B306}
```

```
{ON}{\U}
```

PRICE

DISPLAY ALL PRICE DATA (LINE GRAPH)

```
/GOLB50 PERIOD MA~LC150 PERIOD MA~{RECALC B318}
```

```
{PGRAPH}
```

PURCHASE DATE

SORT THE PORTFOLIO SECURITY DATE OF PURCHASE

```
{RECALC B326}{INDICATE WAIT}{PANELOFF}{WINDOWSOFF}
```

```
{PANELON}{WINDOWSON}{PSORT}
```

CAPITAL GAINS

RESET CAPITAL GAINS TO ORIGINAL STATE

```
{GETLABEL "ARE YOU SURE? (Y/N):",A309}
```

```
{IF A309="Y">#OR#A309="y"}{CGC}
```

```
{GOTO}A60~{ON}{WAIT @NOW+@TIME(0,0,2)}
```

```
{CLEAR}
```

DELETE DATE

Sheet1

REMOVE DATE FROM FILE

```
{OFF}{GETLABEL "ENTER THE DATE YOU WISH TO DELETE (MM/DD/YY):",DATE}{RECALC AH16}{IF DATE=""}{MENU  
{LET C339,1}{LET AC245,1}{RECALC AH16}{IF @ISERR(AH16)=1}{ERS}{BRANCH B345}  
{LET AF184,"="}{LET AH173,1}{DSRCH}{PANELON}{INDICATE "UPDATE"}{PANELOFF}{LET C342,AG179+1}{LET D342,A
```

```
{ON}{BRANCH A342}"
```

```
{ONERROR B351}{GETLABEL "PRINTER NOT READY (HIT ENTER TO CONT):",C352}{BRANCH A351}
```

PORTFOLIO

PRINT CURRENT PORTFOLIO RESULTS

```
{LET C349,AD1}{CONTENTS C350,C349}{RECALC C351}{RECALC B356}{INDICATE WAIT}{PANELOFF}{WINDOWSOFF}
```

```
{PANELON}{WINDOWSON}{BRANCH A352}
```

BGH

GRAPH SAVE

SAVE THE MOST RECENT GRAPH

```
{LET AH347,0}{LET C484,"B369"}{LET C485,"BRANCH A364"}{GETLABEL "ENTER A NAME FOR THE GRAPH YOU WISH
```

```
{PANELON}{ONERROR G275}{BRANCH A364}
```

IBM

DELETE SECURITY

ELIMINATE SECURITY FROM PORTFOLIO (NO CASH/CAPITAL GAINS CHANGE)

```
{LET AH63,1}
```

```
{\B}
```

```
{LET AH63,0}
```

```
{SECEDIT}
```

6-RIGHT
MOVE RIGHT
{RIGHT}
{MV}

CASHFLOW
PLOT NET MONEY SPENT ON A STOCK
{INDICATE WAIT}{BLANK AN4..AQ8192}{LET C402,1}{LET AO4,0}{OFF}/CAI348~AI334~{LET AJ329,"CASHFLOW"}{LET A
{LET H340,"CASHFLOW"}{LET AD325,"AO"}{LET AE325,"4"}{TECH}{OFF}{OBV1}QQ
{INDICATE ANLYZ}{BRANCH A402}

REVERSAL
NEXT CLOSE VALUE TO CAUSE MOMENTUM REVERSAL
{LET E412,J361-C411+2}{CONTENTS E412,E412}{LET E412,@TRIM(E412)}{RECALC B416}{IF B412=0}{GETLABEL "YOU

{INDICATE ANLYZ}{BRANCH A411}

K

EXPONENTIAL MA
PLOT 50 PERIOD EXPONENTIAL AVERAGE (0 PERIOD SHIFT,0% OFFSET)
{MAT}{INDICATE WAIT}{OFF}{LET A419,1}{LET B419,1}{RECALC B426..B428}

LEMA 4~LFMA 5~{RECALC B430}

{INDICATE MA}{BRANCH A422}

IBM

COMPARE
PLOT STOCK VS ANOTHER STOCK RELATIVE STRENGTH
{LET B435,AG341}{LET C435,1}{GETLABEL "ENTER THE SYMBOL OF THE STOCK WHICH YOU WISH TO COMPARE:",
{INDICATE WAIT}{LET D435,0}{CRS}
{LET H340,"COMP RS"}{LET AD325,"AO"}{LET AE325,I381}{TECH}{OFF}{CRS1}QQ

{INDICATE ANLYZ}{BRANCH A436}

B

PORTFOLIO
VIEW SECURITIES IN THE PORTFOLIO
{LET F361,1}{OFF}{GOTO}A1~{DOWN 3}/WTH
{ON}{MV}

DELETE
DELETE PORTFOLIO
{PD}
{IF @VALUE(E475)=148}{GETLABEL "NO PORTFOLIOS TO DELETE (HIT ENTER TO CONT):",AE348}{PD}
{GETLABEL "ENTER THE PORTFOLIO NAME TO DELETE:",C476}{IF C476="\">#OR#C476=""}{PD}
{BRANCH B487}
{GETLABEL "ARE YOU SURE YOU WISH TO DELETE CURRENT PORTFOLIO (Y/N)?:",AE348}
{IF AE348="N">#OR#AE348="n"}{P}
{IF AE348="y">#OR#AE348="Y"}{CGC}{PORTC}{OFF}{GOTO}A60~{ON}{WAIT @NOW+@TIME(0,0,2)}{HOME}{BRANCH B483}
{ERS}{BRANCH B483}
{LET C475,"148"}

{LET C475,@VALUE(C475)+1}{CONTENTS C475,C475}{LET C475,@TRIM(C475)}
{IF C475=E475}{GETLABEL "PORTFOLIO NOT FOUND (HIT ENTER TO CONT):",AE348}{PD}

{BRANCH B488}

NAME

NAME PORTFOLIO TO DELETE FROM WORKSHEET

{BRANCH B480}

{OFF}{GOTO}H146~{ON}{WAIT @NOW+@TIME(0,0,2)}{HOME}{PD}

CQC

```
{WINDOWSOFF}{PANELOFF}{GOTO}R8192~{END}{UP}{LET D227,@CELLPOINTER("ROW")}{CONTENTS D227,D227}{L
```

```
{RECALC G230..H230}{IF A11-E227>1}{IF G230<>0#OR#H230<>0#OR#A11-E227>3}{GETLABEL "ARE YOU SURE HQFIL  
{GOTO}R1~{ON}{RETURN}
```

DEFAULT DRIVE
SET DISK DRIVE FOR DATA STORAGE (CURRENT DRIVE=C:\123)
{CONFIG}
{RECALC C266}{OFF}/RVC266~C268~{ON}{OTHER}

REPORT
PRESENT DATA IN YOUR PORTFOLIO AND HQFILES
{\R}

{GETLABEL "NO SECURITIES IN PORTFOLIO TO REPORT ON (HIT ENTER TO CONT):",C282}{INDICATE REPORT}{\R}

SORT
SORT CURRENT PORTFOLIO OR CAPITAL GAINS REPORT
{IF AD1=4}{NS}
{SORT}
{\R}

EDIT
ADD OR DELETE SECURITIES WITHOUT AFFECTING CASH/CG

```
{INDICATE EDIT}{LET C292,1}{TEDIT}  
{\T}
```

```
PORTFOLIO  
UPDATE PORTFOLIO WITH CURRENT DATA  
{SECCHK}{UPDATE}  
{\U}
```

81

```
VOL  
DISPLAY ALL VOLUME DATA
```

```
{PGRAPH}
```

```
GAIN  
SORT THE PORTFOLIO BY GAIN/LOSS  
{RECALC C326}{INDICATE WAIT}{PANELOFF}{WINDOWSOFF}  
  
{PANELON}{WINDOWSON}{PSORT}
```

```
69  
BOTH  
RESET CAPITAL GAINS AND THE PORTFOLIO  
{GETLABEL "ARE YOU SURE? (Y/N):",A309}  
{IF A309="Y"#OR#A309="Y"}{PORTC}{CGC}{GOTO}A60~{ON}{WAIT @NOW+@TIME(0,0,2)}  
{HOME}  
{BRANCH D336}
```

```
RS
```

```
4  
EDIT DATE
```

Sheet1

CHANGE EXISTING DATA

```
{OFF}{GETLABEL "ENTER THE DATE YOU WISH TO EDIT (MM/DD/YY):",DATE}{RECALC AH16}{IF DATE=""}{MENUMBR  
{LET C339,1}{LET AC245,1}{RECALC AH16}{IF @ISERR(AH16)=1}{ERS}{BRANCH C345}  
{LET AF184,"="}{LET AH173,1}{DSRCH}{PANELON}{INDICATE "UPDATE"}{PANELOFF}{LET C342,AG179+1}{CONTENTS
```

267

267

STOCK DATA

PRINT THE STOCK DATA AREA

```
{INDICATE WAIT}{PANELOFF}{WINDOWSOFF}{GOTO}R8192~{END}{UP}{LET C349,@CELLPOINTER("ROW")}{HOME}{I  
{CONTENTS C350,C349}{RECALC C351}{RECALC C357}
```

```
{PANELON}{WINDOWSON}{BRANCH A352}
```

BGH

OSCILLATOR

MOMENTUM INDICATORS

```
{MOA}
```

ENTER SECURITY

ADD SECURITY TO PORTFOLIO WITHOUT AFFECTING CASH RESERVES

```
{LET AH36,1}
```

```
{A}
```

```
{LET AH36,0}
```

```
{SECEDIT}
```

8-UP
 MOVE UP
 {UP}
 {MV}

EMV
 EASE OF MOVEMENT
 {INDICATE WAIT}{BLANK AN4..AQ8192}{LET C402,1}{EMV}QVQ{ON}
 {LET H340,"EMV"}{LET AD325,"AP"}{LET AE325,"17"}{TECH}{OFF}{EMV1}QQ
 {INDICATE ANLYZ}{BRANCH A402}

12
 SETTINGS
 CHANGE MOMENTUM SETTINGS
 {GETLABEL "ENTER NUMBER OF PERIODS BETWEEN CLOSES:",C411}{IF C411=""}{LET C411,@VALUE(C412)}{MOA}
 {LET C411,@VALUE(C411)}{CONTENTS C412,C411}{LET C412,@TRIM(C412)}{IF @ISERR(C411)=1}{ERS}{BRANCH C412}
 {GETNUMBER "HOW MANY PERIOD EXPONENTIAL SMOOTHING:",D411}{CONTENTS D412,D411}{LET D412,@TRIM(D412)}
 {LET B412,0}{BRANCH A411}

L

50
 SETTINGS
 CHANGE MOVING AVERAGE SETTINGS
 {GETLABEL "ENTER THE NUMBER OF PERIODS TO AVERAGE:",H430}{IF H430=""}{MENUBRANCH A423}
 {LET C421,@ABS(@VALUE(H430))}{CONTENTS C422,C421}{LET C422,@TRIM(C422)}{LET D421,C421+3}{CONTENTS D422,C422}
 {IF @ISERR(C421)=1}{ERS}{BRANCH C425}
 {GETLABEL "ENTER THE NUMBER OF PERIODS TO SHIFT (ENTER =0 DEFAULT):",C419}{LET C419,@IF(C419="",0,@VALUE(C419))}
 {LET C419,@IF(C419<-C421+1,-C421+1,C419)}{LET G418,D421+C419}{LET G420,G418-1}{LET G420,@STRING(G420,0)}
 {VO}{CONTENTS D419,C419}{LET D419,@TRIM(D419)}{LET E422,C419+4}{LET E422,@IF(E422<4,4,E422)}{CONTENTS D422,E422}
 {LET F417,C419+5}{LET F417,@IF(F417<5,5,F417)}{CONTENTS F418,F417}{LET F418,@TRIM(F418)}
 {LET H417,J362}{LET H420,"4"}{LET H421,"5"}{IF C419<0}{LET H420,4+@ABS(C419)}{LET H420,@STRING(H420,0)}{LET H421,@STRING(H421,0)}
 {RECALC A432..B432}{OFF}/RVA432..B432~A424~{ON}{LET B419,0}{MENUBRANCH A423}

218

WRSI
 WILDER RELATIVE STRENGTH INDEX (14 RECORD PERIOD)
 {INDICATE WAIT}{LET D435,1}{LET C435,1}{RSI}QVQ{ON}
 {LET H340,"RSI"}{LET AD325,"AQ"}{LET AE325,AM411}{TECH}{OFF}{RSI1}QQ
 {BRANCH A436}

C

```
STOCK DATA
REVIEW THE DATA ON THE SECURITY
{LET F361,1}{OFF}{GOTO}R1~{DOWN 3}/WTH{IF @VALUE(R5)=0}{BRANCH C455}
{END}{DOWN}
{ON}{MV}
```

149

PORT1

NAME

NAME CURRENT PORTFOLIO

```
{PN}{LET D475,D476}{GETLABEL "ENTER A NAME FOR THE CURRENT PORTFOLIO:",D476}{LET D476,@TRIM(D476)}
```

```
{LET E474,1}{PANELON}{ONERROR G276}{\P}
```

D279

\M

RESET
CLEAR CURRENT PORTFOLIO/CAPITAL GAINS AREAS
{LET E332,1}{CLEAR}

LATEST

OTHER

{RESTART}{INDICATE OTH}{MENUBRANCH C267}{\M}

EXIT

EXIT 1-2-3

{INDICATE EXIT}{GETLABEL "ARE YOU SURE?(Y/N):",AM300}

{IF @TRIM(AM300)="Y"#OR#@TRIM(AM300)="y"/QYY

{IF @TRIM(AM300)="N"#OR#@TRIM(AM300)="n"}{OTHER}

{GETLABEL "DATA ENTRY ERROR, HIT ENTER TO RETRY:",AM300}{BRANCH D269}

SAVE

SAVE WORKSHEET ON DEFAULT DRIVE

{INDICATE SAVE}{LET C484,"D279"}{LET AH347,0}{GETLABEL "OLD FILE WILL BE OVERWRITTEN, DO YOU WISH TO

{IF @TRIM(AM300)="Y"#OR#@TRIM(AM300)="y"}{BRANCH D279}

{IF @TRIM(AM300)="N"#OR#@TRIM(AM300)="n"}{INDICATE MENU}{BRANCH A272}

{GETLABEL "DATA ENTRY ERROR, HIT ENTER TO RETRY:",AM300}{BRANCH D275}

{PANELOFF}{WINDOWSOFF}{ONERROR A485}{BLANK R4..Z8192}{BLANK S1..V1}/REK1..Q8192~/REAN4..AQ8192~/FS

{ONERROR G275}{INDICATE MENU}{BRANCH A272}

TIMEVALUE

GRAPH THE PORTFOLIO TOTAL VS TIME FOR THE LAST YEAR

{IF AD1=4}{NS}

{PORTRS}

CASH

CASH TRANSACTION

{LET D292,1}{LET C292,1}{MANCASH}{LET D292,0}
{\T}

y

QUIT
RETURN TO THE TOP MENU LEVEL
{LET AG348,0}{INDICATE MENU}{BRANCH A272}

15

STPRICE
DISPLAY SHORT TERM H/L/C PRICE DATA AND MA'S
{LET AC432,0}{HLCV}
{PGRAPH}

{PGRAPH}

NO.OF SHARES
SORT PORTFOLIO BY THE NUMBER OF SHARES
{RECALC D326}{INDICATE WAIT}{PANELOFF}{WINDOWSOFF}

{PANELON}{WINDOWSON}{PSORT}

69

69
QUIT
RETURN TO THE PREVIOUS MENU LEVEL
{HOME}
{IF E332=1}{PD}
{IF E332=0}{OTHER}

5

151
INSERT DATE

Sheet1

PLACE NEW DATE IN FILE

```
{IF @VALUE(R4)=0#AND#@CELLPOINTER("ROW")=4}{BRANCH A345}
{OFF}{GETLABEL "ENTER THE DATE YOU WISH TO INSERT (MM/DD/YY):",DATE}{RECALC AH16}{IF DATE=""}{MENU
{LET C339,1}{LET AC245,2}{RECALC AH16}{IF @ISERR(AH16)=1}{ERS}{BRANCH D346}
{DERR}{LET AF184,"<"}{DSRCH}
{PANELON}{INDICATE "UPDATE"}{PANELOFF}{LET AF184,"="}{LET E342,AG179+2}{CONTENTS E342,E342}{LET E342,
{LET AH177,@VALUE(AH177)+1}{CONTENTS AH177,AH177}{LET AH177,@TRIM(AH177)}
```

QUIT

RETURN TO THE REPORT MENU LEVEL

```
{ONERROR G276}{R}
```

Q

TREND

MOVING AVERAGE INDICATORS

```
{MAA}
```

```
{GOTO}AD455~+R4~
```

```
{GOTO}AB463~+"PRICE HIGH (ALL DATA)="&@STRING(@MAX(S4..S8192),3)~
```

```
{GOTO}AB464~+"VOLUME HIGH (ALL DATA)="&@STRING(@MAX(V4..V8192),0)~
```

```
{GOTO}AF463~+"PRICE LOW (ALL DATA)="&@STRING(@MIN(T4..T8192),3)~
```

```
{GOTO}AF464~+"VOLUME LOW (ALL DATA)="&@STRING(@MIN(V4..V8192),0)~
```

QUIT

RETURN TO THE EDIT MENU LEVEL

```
{TEDIT}
```

2-DOWN
MOVE DOWN
{DOWN}
{MV}

{IF TODAY>@NOW}{GETLABEL "DATE NOT SET IN DOS (HIT ENTER TO EXIT AND SET):",D398}{PANELOFF}/QYY
{GETLABEL "TOTAL INVESTOR 2.01- COPYRIGHT 1988,89,90 - HFS - (HIT ENTER TO CONT):",D398}
{M}

NVI
NEGATIVE VOLUME INDICATOR
{INDICATE WAIT}{BLANK AN4..AQ8192}{LET C402,1}{LET AO4,100}{OFF}/CAI373~AI334~{LET AJ329,"NEGATIVE VOLU
{LET H340,"NVI"}{LET AD325,"AO"}{LET AE325,"4"}{TECH}{OFF}{OBV1}QQ
{INDICATE ANLYZ}{BRANCH A402}

105.86

9
ZOOM
PLOT MOMENTUM IN ZOOM MODE
{IF B412=0}{GETLABEL "YOU MUST USE MOMENTUM BEFORE ZOOM (HIT ENTER TO CONT):",C410}{MOA}

{INDICATE ANLYZ}{BRANCH A411}

0
M

53
HOLD
HOLD THIS MA IN GRAPH
{IF A419=0}{MENUBRANCH A423}
{LET G421,G421+1}{IF G421=5}{GETLABEL "SORRY,NO MORE THAN 5 MA'S (HIT ENTER TO CONTINUE):",A433}{LET C
{RECALC F421}{LET A419,0}{BRANCH A422}

-50

SETTINGS
NUMBER OF RECORDS IN WRSI CALCULATION
{GETLABEL "ENTER THE NUMBER OF PERIODS TO BE AVERAGED:",AJ408}{IF AJ408=""}{MENUBRANCH A437}
{LET AJ409,AJ408}{LET AJ409,@VALUE(AJ409)}{LET AK409,AJ409-1}{LET AL410,AJ409+4}{IF @ISERR(AJ409)=1}{ERS}
{LET A445,AJ409}{CONTENTS A446,A445}{LET A446,@TRIM(A446)}{RECALC A444}{OFF}{MENU}RVA444~C438~{ON}

{BRANCH A436}

D

QUIT
RETURN TO THE TOP MENU LEVEL
{HOME}{\M}

PORT1
PORT1
RETRIEVE
BRING NEW PORTFOLIO INTO WORKSHEET
{LET D482,D483}{RC}{OFF}{LET C484,"D480"}{LET D475,D476}{LET AH347,0}{GOTO}A1~{GETLABEL "ENTER THE POR
{PCN}{HOME}{ON}{\P}
"CURRENT PORTFOLIO WILL BE REMOVED, HAVE YOU SAVED ALL CHANGES (Y/N)?:",AE348}
"CURRENT PORTFOLIO WILL BE REMOVED, HAVE YOU SAVED ALL CHANGES (Y/N)?:",AE348}
"ARE YOU SURE (Y/N)?:",AE348}
{GOTO}A49~{END}{UP}{RECALC E476}{LET AD1,E476+1}{CONTENTS AD2,AD1}{RECALC AD3}
{GOTO}A224~{END}{UP}{RECALC E476}{LET AG45,E476-2}{RETURN}
148
{IF E475="244"}{GETLABEL "ONLY 100 PORTFOLIOS ALLOWED (HIT ENTER TO CONT):",E487}{\P}

{IF D476=""}{ERS}{BRANCH C479}

{LET A228,D476}{SYMS}{SYMP}{SYMSL}{IF A228<>D476}{GETLABEL "INVALID PORTFOLIO NAME (HIT ENTER TO CO

QUIT
RETURN TO PORTFOLIO MENU
{P}

CHANGE=
% CHG=
CHANGE=

COST

```
{IF @VALUE(R4)=0}{BRANCH B241}  
{IF @VALUE(R5)=0}{BRANCH E246}  
{END}{DOWN}
```

{DOWN}{BRANCH B241}

HQFILE SIZE

MAXIMUM NUMBER OF RECORDS IN DATA FILE (CURRENT #RECORDS=264)

{GETLABEL "ENTER MAXIMUM NUMBER OF RECORDS IN HQFILE (1 MIN, 1000 MAX):",G264}{IF G264=""}{OTHER}

{LET F265,@VALUE(G264)}{LET F265,@IF(F265<=0,0,1)*F265+@IF(F265<=0,1,0)}{LET F265,F265-@IF(F265>1000,1,0)*

{OFF}{RECALC E265}/RVE265~E268~{ON}

{LET F265,F265+3}{CONTENTS F264,F265}{LET F264,@TRIM(F264)}{OTHER}

TRANSACTION

ENTER/DELETE SECURITIES AND CAPITAL GAINS

{LET C292,0}{T}

KEEP GRAPH

SAVE THE MOST RECENT REPORT GRAPH

{LET AH347,0}{LET C484,"E286"}{LET C485,"BRANCH A281"}{GETLABEL "ENTER A NAME FOR THE GRAPH YOU WISH

{PANELON}{ONERROR G275}{BRANCH A281}

DO SPLIT

PERFORM A SPLIT OF A SECURITIES SHARES

Sheet1

```
{INDICATE "SPLIT"}{IF AD1=4}{GETLABEL "NO SECURITIES TO SPLIT (HIT ENTER TO CONT):",B302}{\T}  
{LET C292,1}{SPLIT}{\T}  
{MENUMBRANCH E298}{\R}  
LT GAIN  
SORT LONG TERM CAPITAL GAINS  
{LET AC366,"<="}{CGSORT}  
{SORT}  
ENABLED
```

123
80

GRAPH STVOL
GRAPH SHORT TERM VOLUME

{PGRAPH}

4

4
DESCRIPTION
ALPHABETIC SORT BY STOCK DESCRIPTION
{RECALC E326}{INDICATE WAIT}{PANELOFF}{WINDOWSOFF}

{PANELON}{WINDOWSON}{PSORT}

DD
268
{IF AH16>@CELLPOINTER("CONTENTS")#AND#@CELLPOINTER("CONTENTS")<>0}{GETLABEL "CAN'T INSERT DATE

4
QUIT

Sheet1

SAVE HQFILE (IF EDITED) AND RETURN TO UPDATE MENU

```
{OFF}{LET AH347,0}{LET C484,"E351"}{LET C485,"BRANCH E352"}{IF C339=0}{BRANCH E352}
```

```
{RECALC E351}{IF @VALUE(R4)=0}{BRANCH E351}
```

```
{IF @VALUE(R5)=0}{BRANCH E351}
```

```
{GOTO}R4~{END}{DOWN}{LET D339,@CELLPOINTER("ROW")}{IF D339<=F265}{BRANCH E351}
```

```
{LET D340,D339-@VALUE(F266)+1}{LET E339,@VALUE(F266)+4}{CONTENTS D340,D340}{CONTENTS E339,E339}{LET
```

```
/WTC{HOME}{ON}{LET C339,0}{\U}
```

REL STRENGTH

PLOT RELATIVE STRENGTH

```
{RSM}
```

```
{INDICATE ANLYZ}{MENUBRANCH A366}
```

Sheet1

9-PGUP
{MOVE UP 1 PAGE}
{PGUP}
{MV}

OBV
PLOT ON BALANCE VOLUME
{INDICATE WAIT}{BLANK AN4..AQ8192}{LET C402,1}{OFF}/CAJ328~AI334~{LET AO4,0}{LET AJ329,"ON BALANCE VOLUME"
{LET H340,"OBV"}{LET AD325,"AO"}{LET AE325,"4"}{TECH}{OFF}{OBV1}QQ
{INDICATE ANLYZ}{BRANCH A402}

{GETLABEL "REVERSAL VALUE=
(HIT ENTER TO CONT):",C410}
183
QUIT
RETURN TO PREVIOUS MENU
{BRANCH A364}

{GETLABEL "
N

CLEAR
CLEAR ALL MOVING AVERAGES FROM GRAPH
{INDICATE WAIT}{OFF}/REK1..O8192~{ON}{INDICATE MA}{LET G421,0}{RECALC F421}
{LET A419,0}{LET B419,0}{BRANCH A422}

MAT
{IF C421+@ABS(C419)>+J361-3}{GETLABEL "NOT ENOUGH DATA FOR CALCULATION (HIT ENTER TO CONT):",D433}
{RETURN}

ZOOM
ZOOM IN ON RS INDICATOR
{IF C435=0}{GETLABEL "YOU MUST USE A RS FUNCTION BEFORE ZOOM (HIT ENTER TO CONT):",C410}{RSM}
{LET D434,@IF(@VALUE(I381)>I361,I381,I362)}{IF D435=1}{BRANCH E443}

{LET I362,C434}{MENUBRANCH A437}

{INDICATE ANLYZ}{MENUBRANCH A437}

E

148

SAVE

SAVE CURRENT PORTFOLIO

{LET D482,D484}{RC}{LET C484,"E480"}{LET AH347,0}{PANELOFF}{WINDOWSOFF}{RECALC E480}

{ON}{ONERROR G276}{\P}

{IF AE348="N"#OR#AE348="n"}{\P}

{IF AE348="y"#OR#AE348="Y"}{RETURN}

{ERS}{BRANCH E483}

COST

\$0.00
0.00%
0.00,0.00%

GAIN
LOS

Y

119
119

219
219

-259
268

{IF G257=0}{ON}/FS~R{BEEP}{BEEP}{LET A310,0}{\U}
{IF G257=1}{BRANCH AB147}

267

264
OFF
END AND RETURN TO SPREADSHEET MODE
{QUIT}

UPDATE
ACQUIRE SECURITY PRICE INFORMATION
{\U}

QUIT
RETURN TO TOP MENU LEVEL
{OFF}/GRGQ/REAO4..AP8192~{ON}{INDICATE MENU}{BRANCH A272}

GO SHORT
ENTER AND EXIT SHORT POSITIONS

```
{INDICATE "SHORT"}{LET C292,1}{SHORT}  
{\T}
```

```
ST GAIN  
SORT SHORT TERM CAPITAL GAINS  
{LET AC366,">"}{CGSORT}  
{SORT}
```

```
ALL P&V  
GRAPH ALL PRICE AND VOLUME DATA (LINE GRAPH)
```

```
/GOLB50 PERIOD MA~LC150 PERIOD MA~LDVOLUME~{RECALC F319}
```

```
{PGRAPH}
```

```
SYMBOL  
ALPHABETIC SORT BY SYMBOL  
{RECALC F326}{INDICATE WAIT}{PANELOFF}{WINDOWSOFF}
```

```
{PANELON}{WINDOWSON}{PSORT}
```

```
CGEDIT  
{RESTART}{MENUBRANCH F332}{TEDIT}  
CHANGE CAPITAL GAIN  
EDIT A CAPITAL GAIN POSITION  
{IF AG45=63}{GETLABEL "NO CAPITAL GAINS TO CHANGE (HIT ENTER TO CONT):",G330}{CGEDIT}  
{CHGCG}  
{CGEDIT}
```

```

)}
{SHORT}
{MENUBRANCH F353}
{\T}
SELL SHORT
ENTER SHORT POSITION
{LET AH10,1}
{\A}
{LET AH10,0}
{SHORT}

```

266

STATS

DISPLAY KEY STOCK PRICE AND VOLUME STATISTICS

```

{IF J361<4}{GETLABEL "NOT ENOUGH DATA TO CALCULATE STATISTICS (HIT ENTER TO CONT):",F364}{BRANCH A364}
{LET F365,J361-1}{LET F365,@STRING(F365,0)}

```

```

{GETLABEL "HIT ENTER TO CONTINUE:",F364}{INDICATE ANLYZ}{BRANCH A364}

```

```

{LET AG350,1}{LET AD352,"{BRANCH F375}"}{KA}
{PANELOFF}{WINDOWSOFF}{GOTO}R8192~{END}{UP}{LET J381,@CELLPOINTER("CONTENTS")}{LET J382,@CELLPOINTER("FILES HAVE DIFFERENT")}
{LET I381,@STRING(I381,0)}{LET I382,@STRING(I382,0)}{RECALC F377}{IF J381<>J380}{GETLABEL "FILES HAVE DIFFERENT"}

```

```

{LET AG341,B435}{LET AG350,1}{LET AD352,"{HOME}{BRANCH B441}"}{KA}

```

```

{LET AH40,4}{LET AL103,0}{LET E383,""}
{LET B383,@TRIM(B383)}{CONTENTS AH41,AH40}{RECALC AH42}{RECALC E383}{RECALC F386}
{IF AH40=AD1}{GETLABEL "DESCRIPTION WAS NOT FOUND, HIT ENTER TO TRY AGAIN:",AE348}{BRANCH A387}

```

```

{LET AH40,AH40+1}{BRANCH F384}
{IF AL103=0}{LET AL104,1}{NCHK}

```

```

{\A}
{LET AG36,0}{LET AH10,0}{LET AD1,I387}{CONTENTS AD2,AD1}{RECALC AD3}
{SECEDIT}

```

Sheet1

3-PGDOWN
{MOVE DOWN 1 PAGE}
{PGDN}
{MV}

EMV
PVI
POSITIVE VOLUME INDICATOR
{INDICATE WAIT}{BLANK AN4..AQ8192}{LET C402,1}{LET AO4,100}{OFF}/CAL373~AI334~{LET AJ329,"POSITIVE VOLUME"
{LET H340,"PVI"}{LET AD325,"AO"}{LET AE325,"4"}{TECH}{OFF}{OBV1}QQ
{INDICATE ANLYZ}{BRANCH A402}

5

O
K
4
POINTS
CALCULATE NUMBER OF POINTS GAINED WITH LATEST MA
{IF B419=0}{GETLABEL "NO DATA AVAILABLE FOR CURRENT SETTINGS (HIT ENTER TO CONTINUE):",A434}{BRANCH
{OC}{GETLABEL "ENTER THE %FILTER REQUIRED (ENTER =0 DEFAULT):",AI135}{LET AI135,@IF(AI135="",0,@VALUE
{INDICATE WAIT}{POINTS}
{RECALC F419}{RECALC F429}

{IF C419<0}{GETLABEL "CAN'T CALCULATE POINTS WITH OFFSET <0 (HIT ENTER TO CONT):",D433}{MENUMBRANCH

QUIT
RETURN TO THE ANALYSIS MENU
{INDICATE ANLYZ}{BRANCH A364}

F
B
{TEDIT}
{RESTART}{MENUBRANCH F451}
{\T}
CAPITAL GAINS
EDIT SECURITY IN CAPITAL GAINS
{CGEDIT}
{TEDIT}

PSAVE
{IF I266=0}{RETURN}
{LET C484,"F474"}{LET AH347,0}{PANELON}{INDICATE SAVE}{PANELOFF}{WINDOWSOFF}{RECALC F474}

{ON}{ONERROR G276}

VIEW
VIEW PORTFOLIOS
{OFF}{GOTO}H146~{ON}
{GETLABEL "HIT ENTER TO CONTINUE:",AE348}
{HOME}{\P}

8
139
10
93
95
139

GAIN
LOS

IND

COMMISSION

SELL

5

IND
IND

3
3

4
4

268
268

264

49
RESET
CLEAR TO PORTFOLIO/CAPITAL GAINS TO ORIGINAL STATE
{LET E332,0}{CLEAR}
{OTHER}

VIEW
OBSERVE DATA IN THE PORTFOLIO,CAPITAL GAINS ,OR STOCKDATA
{LET F361,0}{VIEW}
{M}

QUIT
RETURN TO TOP MENU LEVEL

```
{IF C292=1}{LET C292,0}{PSAVE}  
{HOME}{INDICATE MENU}{BRANCH A272}
```

```
PORTFOLIO  
SORT PORTFOLIO  
{PSORT}  
{SORT}
```

```
ZOOM P&V  
GRAPH SHORT TERM H/L/C/V GRAPH
```

```
{CONTENTS E311,G311}{LET E311,@TRIM(E311)}{LET AC432,1}{HLCV}  
{PGRAPH}
```

```
QUIT  
RETURN TO THE REPORT MENU LEVEL  
{R}
```

```
ENTER CAPITAL GAIN  
ENTER A CAPITAL GAIN WITHOUT AFFECTING THE PORTFOLIO  
{ENTERCG}  
{CGEDIT}
```

BUYBACK SHORT
EXIT SHORT POSITION
{LET AH60,1}
{\B}
{LET AH60,0}
{SHORT}

VOLUME
VOLUME INDICATORS
{VOLA}

QUIT
RETURN
{WINDOWSOFF}/WTC{HOME}{WINDOWSON}{VIEW}

NVI
ZOOM
ZOOM IN ON VOLUME INDICATOR
{IF C402=0}{GETLABEL "YOU MUST USE A FUNCTION BEFORE ZOOM (HIT ENTER TO CONT):",C410}{MENUBRANCH
{IF H340="EMV"}{BRANCH G408}

{INDICATE ANLYZ}{BRANCH A402}

",H419}{PANELON}{RECALC F447}
52

ZOOM
PLOT MOVING AVERAGES IN ZOOM MODE
{RECALC G426}{IF B419=0}{GETLABEL "YOU MUST USE A MA FUNCTION BEFORE ZOOM (HIT ENTER TO CONT):",A4
{INDICATE ZMA}{BRANCH A422}

PORTFOLIO
EDIT SECURITY IN THE PORTFOLIO
{SECEDIT}
{TEDIT}

QUIT
RETURN TO INITIAL MENU
{\M}

PC
{GOTO}K52~{END}{UP}{RECALC E476}{LET F485,+@STRING(E476,0)}{IF E476-6>44-@VALUE(F483)}{TMS}
{GOTO}K299~{END}{UP}{RECALC E476}{LET F487,@STRING(E476,0)}{LET F486,E476-2}{LET F486,+@STRING(F486,0)}

{LET CASH,CASH+N55}{LET B55,B55+L58}{HOME}{\Q}{ON}{OFF}
{GOTO}A49~{END}{UP}{RECALC E476}{LET AD1,E476+1}{LET F483,@STRING(AD1,0)}{CONTENTS AD2,AD1}{RECALC
{GOTO}A224~{END}{UP}{RECALC E476}{LET AG45,E476-2}{LET F484,@STRING(AG45,0)}
{LET F487,AG45+2}{LET F487,@STRING(F487,0)}{LET F488,@STRING(AG45,0)}

Sheet1

```
{IF 47-@VALUE(F483)=0}{GETLABEL "TOO MANY POSITIONS (>40) (HIT ENTER TO CONT):",H492}{LET C484,D480}{LE  
/RVK57~K7~{LET L7,@SUM(L7..L50)}{LET M7,@NOW}{LET N7,@NA}/CO54..P54~O7~{LET Q7,"COMBINED"}{LET R7,N5  
{LET S7,L58}{BLANK K8..S50}{LET F485,"7"}
```

```
{IF 220-@VALUE(F484)=0}{GETLABEL "TOO MANY CAPITAL GAINS (>150) (HIT ENTER TO CONT):",H492}{LET C484,D  
{LET F487,"69"}{LET F486,"67"}
```

```
{LET G232,G232+1}{IF G232=2}{FIL}{BRANCH H234}  
{DISK}  
{BRANCH B238}  
{GETLABEL "DO YOU WISH TO PROCEED WITH THE NEXT STOCK? (Y/N):",I230}  
{IF I230="Y"#OR#I230="y"}{BRANCH B260}  
{IF I230="N"#OR#I230="n"}{ONERROR G275}{HOME}{\U}  
{ERS}{BRANCH H234}
```

(NOW DISABLED)

ZOOM

SET NUMBER OF RECORDS IN ZOOM WINDOW (CURRENT #RECORDS=49)

{GETLABEL "ENTER NUMBER OF RECORDS TO BE VIEWED:",G264}{IF G264=""}{OTHER}

{LET G265,@VALUE(G264)}{CONTENTS G266,G265}{LET G266,@TRIM(G266)}{IF @ISERR(G265)=1}{ERS}{BRANCH H269}

{IF G265>200}{GETLABEL "NO MORE THAN 200 POINTS IN ZOOM (HIT ENTER TO CONT):",G264}{BRANCH H269}

{OFF}{RECALC C265}/RVC265~H268~{ON}{OTHER}

OTHER

UTILITIES MENU

{OTHER}

{QUIT}

C:\123

CONFIG

{GETLABEL "ENTER THE DATA DISK DRIVE (INCLUDE SUBDIRECTORY,IF ANY):",I281}{IF I281=""}{OTHER}

{LET H281,I281}{IF I281=""}{ERS}{OTHER}

CG PERIOD

SET CAPITAL GAINS PERIOD

{GETNUMBER "ENTER THE CAPITAL GAINS PERIOD IN MONTHS:",AC365}{IF @ISERR(AC365)=1}{ERS}{BRANCH H300}
{SORT}

QUIT

RETURN TO THE REPORT MENU LEVEL

{PANELON}{IF H313=0}{\R}

{IF H313=1}{BRANCH A364}

{IF H313=2}{BREAKOFF}{\T}

{IF H313=3}{\U}

PORTC

{OFF}{LET D330,AD1}{CONTENTS D331,D330}{RECALC D332}{RECALC H328}

{MENU}REB55~{LET AD1,4}{MENU}RED51..F52~{MENU}CB54..D54~B54~{LET DOWCHG,"0.00,0.00%"}{LET F55,"0.00%"}{MENU}

DELETE CAPITAL GAIN

DELETE A CAPITAL GAIN WITHOUT AFFECTING THE PORTFOLIO

{IF AG45=63}{GETLABEL "NO CAPITAL GAINS TO DELETE (HIT ENTER TO CONT):",G330}{CGEDIT}

{DEL CG}

{CGEDIT}

MACD

QUIT
RETURN TO THE TRANSACTION MENU LEVEL
{\T}

QUIT
RETURN TO THE TOP MENU LEVEL
{OFF}/GRGQ{ON}{BLANK AN1..IV50}{INDICATE MENU}{BRANCH A272}

QUIT
RETURN TO THE PREVIOUS MENU
{INDICATE ANLYZ}{BRANCH A364}

{GETLABEL "HOW MANY %D PERIODS OF AVERAGING?",AD401}{LET AD402,@VALUE(AD401)}{RECALC B409}{OFF}
{OM}

267
53

4
5

QUIT
RETURN TO PREVIOUS MENU
{LET B419,0}{INDICATE TREND}{BRANCH A364}

{GETLABEL "ENTER THE AMOUNT OF VERTICAL OFFSET IN % (ENTER =0 DEFAULT):",I422}{LET I422,@IF(I422="",0,
{LET H422,(100+I422)/100}{LET I422,@STRING(I422,0)}

50

QUIT
RETURN TO TRANACTION MENU LEVEL
{\T}

QUIT
RETURN TO PREVIOUS MENU
{INDICATE ANLYZ}{LET E460,0}{MENUBRANCH A366}

COMMISSIONS

Y

267
267

249
249

AUTOSAVE

TURN PORTFOLIO AUTOSAVE ON/OFF (NOW DISABLED)

```
{GETLABEL "ENABLE PORTFOLIO AUTOSAVE FEATURE (Y/N)?",I265}{IF I265="\">#OR#I265=""}{OTHER}  
{IF I265="Y">#OR#I265="y"}{LET I266,1}{LET H265," (NOW ENABLED)"}{RECALC H264}{OFF}/RVH264~I268~{ON}{OTHER}  
{IF I265="N">#OR#I265="n"}{LET I266,0}{LET H265," (NOW DISABLED)"}{RECALC H264}{OFF}/RVH264~I268~{ON}{OTHER}  
{ERS}{BRANCH I269}
```

C:\123

QUIT
RETURN TO THE REPORT MENU
{R}

CGC
{OFF}{LET D330,AG45+2}{CONTENTS D331,D330}{RECALC D332}{RECALC I328}

{MENU}REB55~{MENU}CA62..G62~A64~{LET AG45,63}{LET A65,AG87}{HOME}

QUIT
RETURN TO THE EDIT MENU LEVEL AND PORTFOLIO WINDOW
{HOME}
{TEDIT}

{PANELOFF}{WINDOWSOFF}

{PANELON}{WINDOWSON}

219

```
{PANELOFF}{WINDOWSOFF}{GOTO}R4~{END}{DOWN}
{LET J361,@CELLPOINTER("ROW")}{IF J361=8192}{END}{UP}{BRANCH I373}
{CONTENTS J362,J361}{LET J362,@TRIM(J362)}{PANELON}{HOME}{WINDOWSON}
{LET I361,J361-G265+1}{IF I361<4}{LET I361,4}
{CONTENTS I362,I361}{LET I362,@TRIM(I362)}{LET C312,@IF(J361<10,1,@INT(J361*.239)+1)}{CONTENTS C312,C312}
```

4
4

0

PORTFOLIO NAMES

NO PORTFOLIOS NAMED

QUIT
RETURN TO MAIN MENU
{INDICATE MENU}{BRANCH A272}

FALSE

\$0.00

267

267

}

31967
31967
267

Sheet1

DATE	HIGH	LOW	CLOSE	VOLUME	50 PERIOD MA	150 PERIOD MA
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Sheet1

```
{CONTENTS AD2,AD1}{IF AD1=44}{GETLABEL "SORRY, NO MORE THAN 40 POSITIONS IN YOUR PORTFOLIO (HIT EN
{RECALC AD3}
{RECALC AB4}{HOME}{OFF}{GOTO}A1~{GOTO}A4~/w/wh
```

```
{END}{DOWN}{DOWN}
{RECALC AF1}{ON}{GETLABEL "ENTER THE SECURITY DESCRIPTION:",STOCK}{IF STOCK=""}{OFF}{PCHK}{\T}
{RECALC AB8}{IF AG36=1}{IF STOCK=""}{BRANCH AB9}
```

```
{RIGHT}{RECALC AF1}
{GETLABEL "ENTER THE NUMBER OF SHARES:",COST}{IF COST=""}{LEFT}{BRANCH AB6}
{IF COST=""}{IF AG36=1}{BRANCH AB14}
{LET COST,@VALUE(COST)}{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AB13}{IF @ISERR(COST)=1}{ERS}{BR
```

```
{RIGHT}{RECALC AF1}
{BRANCH AB16}
{IF AH10=1}{GETLABEL "ENTER THE DATE OF THE SHORT SALE (MM/DD/YY):",DATE}{RECALC AH16}{\1}{IF @ISERR
{IF AH10=0}{GETLABEL "ENTER THE SECURITY DATE OF PURCHASE (MM/DD/YY):",DATE}{RECALC AH16}{\1}{IF @IS
{CONTENTS AH17,AH16}{RECALC AH18}{RECALC AB19}
```

```
{RIGHT}{RECALC AF1}
{GETLABEL "ENTER THE LATEST PRICE PER SHARE:",COST}{\2}{LET COST,@VALUE(COST)}{IF @ISERR(COST)=1}{
{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AB23}
```

```
{RECALC AF1}{IF AH10=1}{GETLABEL "ENTER THE PROCEEDS FROM THE SHORT SALE:",COST}{\3}{LET COST,@VA
{IF AH10=0}{GETLABEL "ENTER THE TOTAL PURCHASE COST:",COST}{\3}{LET COST,@VALUE(COST)}{IF @ISERR(C
{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AB27..AB29}
```

```
{GETLABEL "ENTER THE SYMBOL FOR THE SECURITY:",STOCK}{RECALC AB31..AB32}{\4}
```

```
{RIGHT}{CMS}{BRANCH AB34}
{IF AG36=0}{LET AD1,AD1+1:VALUE}{CONTENTS AD2,AD1}{RECALC AD3}{RECALC AB35}
{LET TOTGAIN,@SUM(F4..F49)}{LET TOTCOST,@SUM(E4..E49)}{LET TOTAL,@SUM(H4..H49)}
{IF AH36=1}{PCHG}{ONERROR G275}{PANELON}{PUP}{BRANCH C389}
{IF AG36=1}{LET CASH,CASH-COST+I388}{PCHG}{ONERROR G275}{PANELON}{PUP}{BRANCH F391}
{LET CASH,CASH-COST}{PCHG}{PANELON}{GETLABEL "HIT ENTER TO RETURN TO TOP OF PORTFOLIO:",AH22}{OF
```

```
{HOME}{LET AF86,0}{LET AF53,0}{LET AL103,0}{LET AG43,""}{IF AG45=214}{GETLABEL "SORRY,NO MORE THAN 150 C
{GETLABEL "ENTER THE SECURITY DESCRIPTION:",AG40}{INDICATE WAIT}{OFF}{LET AH40,4}{RECALC AG42}{IF AG
{CONTENTS AH41,AH40}{RECALC AH42}{RECALC AG43}{RECALC AG42}{RECALC AB43}{IF AD1=4}{BRANCH AB44}
```

```
{IF AH40=AD1}{GETLABEL "SECURITY WAS NOT FOUND, HIT ENTER TO CONTINUE:",AF43}{PSCHK}{\T}
{LET AH40,AH40+1}{BRANCH AB42}
{IF AL103=0}{LET AL104,0}{NCHK}
```

```
{LET AG49,AH40+1}
{CONTENTS AG50,AG49}
{RECALC AG51}
{LET AG54,AD1}
{CONTENTS AG55,AG54}
{RECALC AG56}{RECALC AB58}
```

```
{IF AF53=0}{LET AD1,AD1-1}{CONTENTS AD2,AD1}{RECALC AD3}
{RECALC AB61..AB63}
```

```
{RECALC AF1}{INDICATE SELL}
{IF AH60=1}{GETLABEL "ENTER THE DATE THE SHORT POSITION WAS EXITED (MM/DD/YY):",DATE}/RFD~~{RECALC
{IF AH60=0}{GETLABEL "ENTER THE SECURITY DATE OF SALE (MM/DD/YY):",DATE}/RFD~~{RECALC AH16}{IF @ISEF
{CONTENTS AH17,AH16}{RECALC AH18}{RECALC AB72}
```

```
{RIGHT}{IF AH60=1}{RIGHT 2}{IF AH68=1}{LET AH68,0}{LEFT}
{RECALC AF1}
{IF AH60=1}{GETLABEL "ENTER THE COST OF THE SHORT BUYBACK:",COST}/RFC~~{IF COST=""}{LEFT 3}{RECALC
{IF AH60=1}{LET COST,@VALUE(COST)}{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AB79}{IF @ISERR(COST)=
{IF AH60=0}{GETLABEL "ENTER THE TOTAL SALE PRICE:",COST}/RFC~~{IF COST=""}{LEFT}{RECALC AF1}{BRANCH
{IF AH60=0}{LET COST,@VALUE(COST)}{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AB79}{IF @ISERR(COST)=
```

```
{RECALC AB81}{RIGHT}{IF AH60=0}{RIGHT}
```

```
{LET AG86,AG47}{LET AG45,AG45+1}{CONTENTS AG46,AG45}{RECALC AG47}{LET AG88,AG45+2}{CONTENTS AG89,
{LET AG78,AG45+1}{CONTENTS AG79,AG78}{RECALC AG80}{RECALC AB84}{IF AM166=1}{PANELOFF}{WINDOWSOFF
```

```
{RECALC AB88..AB89}
```

```
{LET CASH,CASH+COST}{PCHG}
{IF AH60=1}{GETLABEL "HIT ENTER TO RETURN TO THE PORTFOLIO WINDOW:",AG91}/wtc{HOME}{BRANCH G357}
{GETLABEL "HIT ENTER TO RETURN TO THE PORTFOLIO WINDOW:",AG91}/wtc{home}{PANELON}{BRANCH B296}
```

```
{LET COST,0}{HOME}{OFF}{GOTO}A4~/WTH{GOTO}D4~{ON}{LET AG99,AD1-1}{CONTENTS AG100,AG99}{RECALC AG
{LET AG49,@CELLPOINTER("ROW")}{LET AG102,AG51}
{CONTENTS AG50,AG49}{RECALC AG51}{RECALC AB98}
```

Sheet1

```
{LET COST,@VALUE(COST)}{IF @ISERR(COST)=1}{ERS}{BRANCH AB98}  
{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AB102}
```

```
{DOWN}{RESTART}{BRANCH AB96}
```

```
{RECALC AB107..AB109}
```

```
{OFF}{WINDOW}{GOTO}A51~{GOTO}CASH~{ON}  
{IF D292=0}{GETLABEL "ENTER THE AMOUNT OF CASH IN YOUR PORTFOLIO:",COST}{IF D292=0}{IF COST=""}{WIND  
{IF D292=1}{GETNUMBER "ENTER THE AMOUNT OF CASH IN YOUR PORTFOLIO:",COST}  
{LET COST,@VALUE(COST)}{IF @ISERR(COST)=1}{ERS}{BRANCH AB111}  
{LET CASH,COST}{Q}  
{OFF}{IF D292=0}{WINDOW}/WTC{HOME}{ON}{PSAVE}{INDICATE "UPDATE"}{GU}  
{WINDOW}/WTC{HOME}{ON}{LET D292,0}{T}
```

```
{RECALC F4..F49}{RECALC H4..H49}{LET TOTGAIN,@SUM(F4..F49)}{LET TOTCOST,@SUM(E4..E49)}{LET TOTAL,@SUM(F4..F49)+@SUM(E4..E49)}{LET AG160,ALL}{RECALC ALL}{LET AH153,ALL-AG160}{CONTENTS AH156,AH153,15,34}
{RECALC AH157}{RECALC AG153}{CONTENTS AG154,AG153}{LET AG154,@TRIM(AG154)}{IF @TRIM(AG154)="ERR"}{LET ALLCHG,AH157}{LET F55,AG154}{RECALC TODAY}{RECALC J4..J49}{RECALC A51..J58}{ON}
```

```
{INDICATE WAIT}{PANELOFF}{WINDOWSOFF}{LET AE170,AD1-1}{RECALC AG170}
{CONTENTS AE171,AE170}
{RECALC AE172}{RECALC AB173}
```

```
{IF AE170<8}{BRANCH AB179}
{IF AE170=8}{BRANCH AB185}
{MENU}RVG4..H7~AF171~
{LET AF175,"OTHER"}
{LET AG175,+TOTAL-@SUM(H4..H7)}{GOTO}AH170~+AG170/($ALL+1E-8)~/CAH170~AH170..AH175~{BRANCH AB186}
{RECALC AB180}
```

```
{LET AF181,171+AE170-3}
{CONTENTS AF182,AF181}{RECALC AF183}
{RECALC AB184}
```

```
{MENU}RVG4..H8~AF171~{GOTO}AH170~+AG170/($ALL+1E-8)~/CAH170~AH170..AH175~{RECALC AB186}
```


Sheet1

```
{RECALC AB246}{GETLABEL "ENTER THE NEW DATE YOU WISH TO UPDATE (MM/DD/YY):",DATE}
{IF DATE=""}{RETB2}
{IF DATE=""}{IF AC245=1}{BRANCH AB252}
{RECALC AH16}{IF @ISERR(AH16)=1}{ERS}{BRANCH AB246}
{RECALC AF1}{CONTENTS AH17,AH16}{RECALC AH18}{RECALC AB251}
```

```
{RIGHT}{RECALC AF1}
{GETLABEL "ENTER THE SECURITY PRICE HIGH:",COST}{IF COST=""}{LEFT}{RECALC AF1}{BRANCH AB246}
{IF COST=""}{IF AC245=1}{BRANCH AB257}
{LET COST,@VALUE(COST)}{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AB256}{IF @ISERR(COST)=1}{ERS}{BRANCH AB253}
```

```
{RIGHT}{RECALC AF1}
{GETLABEL "ENTER THE SECURITY PRICE LOW:",COST}{IF COST=""}{LEFT}{RECALC AF1}{BRANCH AB253}
{IF COST=""}{IF AC245=1}{BRANCH AB262}
{LET COST,@VALUE(COST)}{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AB261}{IF @ISERR(COST)=1}{ERS}{BRANCH AB258}
```

```
{GETLABEL "ENTER THE SECURITY PRICE CLOSE:",COST}{IF COST=""}{LEFT}{RECALC AF1}{BRANCH AB258}
{IF COST=""}{IF AC245=1}{BRANCH AB267}
{LET COST,@VALUE(COST)}{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AB266}{IF @ISERR(COST)=1}{ERS}{BRANCH AB263}
```

```
{RIGHT}{RECALC AF1}
{GETLABEL "ENTER THE SECURITY VOLUME:",COST}{IF COST=""}{LEFT}{RECALC AF1}{BRANCH AB263}
{IF COST=""}{IF AC245=1}{BRANCH AB272}
{LET COST,@VALUE(COST)}{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AB271}{IF @ISERR(COST)=1}{ERS}{BRANCH AB267}
```

```
{OFF}{RIGHT}{RECALC AF1}
{LET AE271,@CELLPOINTER("ROW")}{CONTENTS AF271,AE271}{LET AF271,@TRIM(AF271)}
{LET AE272,AE271-49}{CONTENTS AE272,AE272}{LET AE272,@TRIM(AE272)}
{LET AE273,AE271-149}{CONTENTS AE273,AE273}{LET AE273,@TRIM(AE273)}
{RECALC AB276..AB278}
```

```
{ON}{GETLABEL "IS THE DATA ENTERED CORRECT (Y/N):",AM300}{IF AM300=""}{LEFT 2}{RECALC AF1}{BRANCH AB286}
{IF @TRIM(AM300)="Y"#OR#@TRIM(AM300)="y"}{BRANCH AB286}
{IF @TRIM(AM300)="N"#OR#@TRIM(AM300)="n"}{LET AC245,1}{LEFT 6}{\H}
{GETLABEL "DATA ENTRY ERROR, HIT ENTER TO RETRY:",AM300}{BRANCH AB282}
{OFF}{GOTO}R4~{IF @VALUE(R5=0)}{ON}{RESTART}{BRANCH A342}
{END}{DOWN}{ON}{RESTART}{BRANCH A342}
```

MA CORRECTION

```
{IF AC245=0}{RETURN}
{PANELON}{INDICATE WAIT}{PANELOFF}{LET AC290,@VALUE(AH177)}{IF AC290<53#OR#AE271>=153}{RETURN}
```

```
{RECALC AB297}
```

```
{LET AE325,@IF(@VALUE(AE325)<@VALUE(I362),I362,AE325)}{RECALC AB315..AB321}
```

```
{LET F313,@MAX(AD313..AE313)-@MIN(E312..F312)}{RECALC G313}
```

```
{LET H341,0}{BLANK AN4..AN8192}{BLANK Z4..Z8192}{RETURN}
```

TECH

```
{GETLABEL "DO YOU WISH TO VIEW BOTH THE SECURITY AND INDICATOR? (Y/N):",AC325}  
{IF @TRIM(AC325)="Y"#OR#@TRIM(AC325)="y"}{BLANK AN4..AN8192}{BRANCH AB330}  
{IF @TRIM(AC325)="N"#OR#@TRIM(AC325)="n"}{OFF}{LET H341,0}{LET AE324,0}{RETURN}  
{GETLABEL "DATA ENTRY ERROR, HIT ENTER TO CONTINUE:",AC325}{BRANCH AB326}  
{LET AD324,"AN"}{RECALC AB331..AB334}  
{OFF}{IF H341=1}{BRANCH AB314}
```

```
{LET H341,0}{BLANK AN4..AN8192}{BLANK Z4..Z8192}{RETURN}
```

\K

```
{GETLABEL "ENTER THE SECURITY SYMBOL OR DESCRIPTION:",AG341}{IF AG341=""#OR#AG341=""}{RETURN}  
{LET AF345,0}{LET AH342,4}{IF @TRIM(AG341)="IND"}{LET AH342,56}  
{LET AG342,@TRIM(AG341)}{CONTENTS AH343,AH342}{RECALC AH344}{RECALC AB344}{IF AH342=AD1}{IF AG350=0  
{IF AH342=AD1}{IF AG350=1}{LET AF345,1}{LET AF210,AG342}{BRANCH AB346}
```

Sheet1

```
{LET AH342,AH342+1}{BRANCH AB342}
{LET A228,AG342}{SYMP}{SYMS}{SYMSL}{LET AG342,@TRIM(A228)}
{LET AF209,AG342}{RECALC AB348}{IF @MID(AG342,0,1)="*"}{GETLABEL "NO DATA AVAILABLE FOR THIS SECURITY"}

{IF @TRIM(S1)=AG342}{BRANCH AB352}
{BLANK S1}{PANELOFF}{WINDOWSOFF}{RECALC AB351}{LET AH347,0}{LET C484,"AB351"}{LET C485,"\M"}

{ONERROR G276}
{RECALC AB354}{IF AG350=0}{PLOT}{RETURN}
```

CGSORT

```
{INDICATE WAIT}{PANELOFF}{WINDOWSOFF}{LET AF365,63}{LET AE365,514}{MENU}REA514..F1000~{IF AG45=63}{GOTO 1}
{CONTENTS AF366,AF365}{LET AF366,@TRIM(AF366)}{RECALC AB369..AB373}{IF AF365=AG45}{BRANCH AB379}

{LET AH370,@DAY(AG365)}{LET AH371,@MONTH(AG365)}{LET AH372,@YEAR(AG365)}
{LET AH371,AH371+AC365}
{IF AH371>12}{LET AH372,AH372+@INT(AH371/12)}{LET AH371,AH371-12*@INT(AH371/12)}
{RECALC AH373}{RECALC AB374}{IF @ISERR(AH373)=1}{LET AH371,AH371+1}{LET AH370,1}{RECALC AH373}

{CONTENTS AE366,AE365}{LET AE366,@TRIM(AE366)}{RECALC AB376..AB377}

{LET AE365,AE365+1}{LET AF365,AF365+1}{LET AH378,AE366}
{IF AF365<AG45}{RESTART}{BRANCH AB368}
{LET AE365,AE365+1}{CONTENTS AE366,AE365}{LET AE366,@TRIM(AE366)}{RECALC AB380}

{LET AE365,AE365+1}{CONTENTS AE366,AE365}{LET AE366,@TRIM(AE366)}{RECALC AB381..AB384}
```

```
{GETLABEL "DO YOU WISH TO PRINT THE RESULTS? (Y/N):",AH385}{IF AH385="N"#OR#AH385="n"}{OFF}{BLANK A514}
{IF AH385<>"Y"#OR#AH385<>"y"}{GETLABEL "DATA ENTRY ERROR, HIT ENTER TO CONTINUE:",AH385}{BRANCH AB385}
{LET AF377,0}{PANELOFF}{WINDOWSOFF}{GETLABEL "TURN PRINTER ON, HIT ENTER TO CONTINUE:",AH385}{INDICATE WAIT}

{BLANK A514..F1000}/RFRA514..F1000~{ONERROR G275}/WTC{PANELON}{WINDOWSON}{HOME}{SORT}
```

+AO4+V5*(U5-U4)/(S5-T5+.01)~

HLCV

{PANELON}{INDICATE WAIT}{OFF}{BLANK AN1..IV50}{RECALC AB435..AB438}

{GOTO}AN13~+AN10-.2~
{GOTO}AN14~+AN10+.2~{RECALC AB445..AB449}

\B

UPDATE

\F

AQ
Z
Y

> 6

14

14

0

0.10

+
-
122.25
121.5

9 9

{GETLABEL "HIT ENTER TO RETURN TO THE TOP OF PORTFOLIO:",AH22}{PANELOFF}/WTC{HOME}{PANELON}

```
{IF AH63=1}{LET AH63,0}{INDICATE EDIT}{SECEDIT}  
{IF AH60=1}{LET AH60,0}{SHORT}
```

PSELL

GBACK

120.875

Z
Z

{BRANCH A307}

17

17

UPPER BAND

49

#NAME?

94

120.375
119.75

12/30/1899

```
{IF DATE="\">{LEFT}{RECALC AF1}{BRANCH AB10}  
{IF DATE=""}{IF AG36=1}{BRANCH AB20}
```

```
{IF COST="\">{LEFT}{RECALC AF1}{ON}{BRANCH AB16}  
{IF COST=""}{IF AG36=1}{RIGHT}{BRANCH AB24}
```

```
{RECALC AE16}{IF COST="\">{LEFT}{RECALC AF1}{BRANCH AB21}  
{IF COST=""}{IF AG36=1}{RECALC AB28..AB29}{BRANCH AB28}
```

```
{IF STOCK="\">{LEFT 2}{RECALC AF1}{BRANCH AB24}  
{IF STOCK=""}{IF AG36=1}{BRANCH AB32}
```

```
{GETLABEL "USE BUYBACK SHORT TO DO THIS FUNCTION (HIT ENTER TO CONT):",AF43}{SHORT}
```

```
{GETLABEL "USE SELL TO EXIT THIS POSITION (HIT ENTER TO CONT):",AF43}{LET AH60,0}{\T}
```

Sheet1

```
{GETLABEL "IS THE TRANSACTION FOR ALL THE SHARES? (Y/N):",AF54}
{IF AF54="Y"#OR#AF54="y"}{RETURN}
{IF AF54<>"N"#OR#AF54<>"n"}{ERS}{BRANCH AE54}
{LET AF53,1}{IF AH60=0}{GETNUMBER "HOW MANY SHARES DO YOU WANT TO SELL:",AD55}{IF @ISERR(AD55)=1}{E
{IF AH60=1}{GETNUMBER "HOW MANY SHARES DO YOU WANT TO BUYBACK:",AD55}{IF @ISERR(AD55)=1}{ERS}{BR
{RECALC AE60}{IF AD55=0}{GETLABEL "0 SHARES MEANS NO TRANSACTION (HIT ENTER TO CONT):",AD60}{\T}

{IF AG58=0}{LET AF53,0}{RETURN}
{RECALC AE63}{IF AG58<0}{GETLABEL "TOO MANY SHARES!!!(HIT ENTER TO CONT):",AD60}{BRANCH AE57}"

{RETURN}
```

```
{IF AG91=""}{ON}{LET AF86,1}{LET AG45,AG45-1}{LET CASH,CASH-COST}
{IF AG91=""}{RIGHT 3}{IF AH60=1}{RIGHT}
{IF AG91=""}{CONTENTS AG46,AG45}{RECALC AG47}{BRANCH AB75}
{RETURN}
```

```
{GETLABEL "ENTER THE CLOSING PRICE FOR
SWTR
```

HEWLETT PACKARD

```
{OFF}{WINDOW}{GOTO}DOW~{ON}{GETLABEL "ENTER THE PRICE FOR THE DJIA:",COST}{IF COST=""}{OFF}{WINDOW}
{LET COST,@VALUE(COST)}{IF @ISERR(COST)=1}{ERS}{BRANCH AE104}
{LET AG160,DOW}{LET DOW,COST}{LET AH155,DOW-AG160}
{CONTENTS AH156,AH155,15,2}{RECALC AH157}{RECALC AG155}{CONTENTS AG154,AG155}{LET AG154,@TRIM(AG
{LET DOWCHG,AG156}{WINDOW}{BRANCH AB106}
```

4 4

Sheet1

RETB2

{IF AC245=1}{UHQ}

{LET AF251,@CELLPOINTER("row")}{CONTENTS AF251,AF251}{LET AF251,@TRIM(AF251)}{RECALC AE254}

{OFF}{LET C342,AG179+2}{LET D342,AG179+3}{CONTENTS D342,D342}{CONTENTS C342,C342}{LET C342,@TRIM(C342)}
{BRANCH B348}

-45

-145

y

{HOME}{GETLABEL "DISK DRIVE NOT READY, READY DRIVE AND HIT RETURN:",AG353}

{GETLABEL "FILE NOT AVAILABLE (HIT ENTER TO CONT):",AE348}

153

30

LOWER BAND
K
K
29-Mar-90

Sheet1

THRU

Sheet1

```
{OFF}/wtc{HOME}{ON}  
{RECALC AF4}{IF AL104=1}{IF AG36=1}{LET AL104,0}{BRANCH F391}  
  
{IF AH10=1}{LET AH10,0}{SHORT}  
{IF AH36=1}{LET AH36,0}{SECEDIT}  
{^T}  
{GETLABEL "DATA ENTRY ERROR (HIT ENTER TO CONTINUE):",AG1}
```

```
{IF AH10=1}{BRANCH F357}
```

Y

```
{RECALC AF69..AF70}
```

```
{CMS3}{IF AM166=0}{RIGHT}{ON}{GETLABEL "ENTER THE BROKERAGE SELL COMMISSION:",AE71}/RFC~~{IF AE71=
{LET AE71,@VALUE(AE71)}{IF @ISERR(AE71)=1}{ERS}{LEFT}{BRANCH AF71}
{LET B55,B55+AE71}{RECALC AF74}{IF AM166=1}{LET CASH,CASH+AE72-AM157}{RETURN}
```

SWTR

CASH
DAL

223

12/18/90

172
172
=

IBM
IBM

8

+

4

67

```
{LET AF377,AF377+1}{IF AF377=2}{GETLABEL "PRINTER NOT OPERATIONAL (HIT ENTER TO CONT):",AF378}{OFF}{M  
{GETLABEL "PRINTER NOT READY (READY AND HIT ENTER TO CONT):",AF378}  
{OFF}{BRANCH AB389}
```

17

BOLLINGER BANDS

L
07-Jun-90

ADF

6070.5
6070.5

```
{GETLABEL "ENTER THE BROKERAGE COMMISSION:",AF26}{IF AF26=""}{IF AG36=1}{RETURN}  
{IF AF26=""}{LEFT 2}{BRANCH AB30}  
{LET AF26,@VALUE(AF26)}{RECALC AG30..AG31}{IF @ISERR(AF26)=1}{ERS}{BRANCH AG26}  
{IF AG36=0}{LET B55,B55+AF26}
```

11
11

RES.TRUST ZERO
"

67
67

10 10

10 10

68 68

66
TOTAL

69

```
:",COST}{IF COST=""}{UP}{BRANCH AB96}  
:",COST}{IF COST=""}{OFF}/WTC{HOME}{ON}{U}  
{IF AG49<>4}
```

5

5
4

0.01%

-45

DSRCH

```
{PANELON}{INDICATE WAIT}{PANELOFF}{GOTO}R4~{END}{DOWN}{LET AG179,@CELLPOINTER("ROW")}{CONTENTS
```

```
{CONTENTS AH179,AG179}{LET AH179,@TRIM(AH179)}{RECALC AG187}
```

```
{IF AG179=3#AND#AF184="<"}{LET AG179,AG179-1}{BRANCH D349}
```

```
{IF AG179=3}{GETLABEL "DATE NOT FOUND (HIT ENTER TO CONT).",AG177}{RETB1}
```

```
{LET AG179,AG179-1}{BRANCH AG184}
```

```
{LET AG178,AG179-48}{CONTENTS AG178,AG178}{LET AG178,@TRIM(AG178)}
```

```
{LET AH178,AG179-148}{CONTENTS AH178,AH178}{LET AH178,@TRIM(AH178)}
```

RETB1

```
{IF AH173=0}{BRANCH AI200}
```

```
{IF AH173=1}{MENUBRANCH A343}
```

56
56

IBM
IBM

12
26
9

0

6/28/90

33052

33052

33052

0

9

9

9

57
STKERR

789
0

CLOSE

6172.5

0

06/06/1990

33030.7332523148

0

3

3

24

24

0

NA

6

6

3

3

{GETLABEL "ENTER THE HIGH FOR
{GETLABEL "ENTER THE LOW FOR
{GETLABEL "ENTER THE VOLUME FOR
:","AM71}
THE DJIA
{GETLABEL "IS
THE DJIA
:","AJ60}

0

{GETLABEL "ENTER THE CLOSE FOR

0

#NAME?

NCHK

*

0

\$10.50

0

\$10.50

\$10.50

5
-145
3
4
)}

151

CDOW
{IF AM220="IND"}{RETURN}
{UP}{RETURN}

AHQ

HQ

	9	
9		
	273	
273		
MO		
		4
	4	

4

0

{IF AG348=1}{BRANCH A305}
{BRANCH A362}

2
7
87
07/02/87

<=
>
LONG TERM GAINS
SHORT TERM GAINS
514

n

12
38

103.964166666667
104.101666666667


```
{GETLABEL "UPDATE THE HQ FILES WITH DATA (HQ FILES MUST BE CURRENT)? (Y/N):",AJ60}
{IF AJ60="n"#OR#AJ60="N"}{U}
{IF AJ60<>"Y"#OR#AJ60<>"y"}{GETLABEL "DATA ENTRY ERROR,HIT ENTER TO CONTINUE:",AJ60}{BRANCH AI60}
{GETLABEL "ENTER THE DATE YOU WISH TO UPDATE (ENTER=TODAY):",AH62}
{DT}{INDICATE WAIT}{CONTENTS K1,AH61}{RECALC AI1}{LET AH64,AD1-3}{CONTENTS AH65,AH64}{LET AH65,@TRIM
```

```
{GOTO}N1~
+@STRING(D4,2)~
```

```
{HOME}{PANELON}{WINDOWSON}
{LET AH71,4}{LET AH73,1}
{LET AM70,AH72}{CONTENTS AH72,AH71}{LET AH72,@TRIM(AH72)}{RECALC AI72}
```

```
{IF AH71=AD1}{LET AH79,"THE DJIA"}{LET AH81,AH79}{RECALC AI75..AI82}{BRANCH AI76}
```

```
{IF AH71=AD1}{BRANCH AI85}
{LET AH71,AH71+1}{LET AH73,AH73+1}
{RESTART}{BRANCH AI71}
{LET G257,0}{\}
```

```
{PANELOFF}{WINDOWSOFF}{LET AO4,@NA}{GOTO}AO5~+(((S5+T5)/2)-((S4+T4)/2))*(S5-T5)/(V5+100)~{IF J361<17}{GE
```

Sheet1

{LET AP4,@NA}{MENU}CAP4~AP4..AP15~

{LET AJ103,4}
{CONTENTS AK103,AJ103}{LET AK103,@TRIM(AK103)}{RECALC AI106}

{IF AJ103=AD1-1}{BRANCH AI109}
{LET AJ103,AJ103+1}{BRANCH AI105}
{IF AL103=1}{RETURN}
{IF AL103>=2}{GETLABEL "ENTER THE SECURITY DATE OF PURCHASE (MM/DD/YY):",DATE}{RECALC AH16}{IF @ISE
{IF AL104=0}{MENU}CAL107~AG43~{LET AH40,4}{BRANCH AB42}
{IF AL104=1}{OFF}{MENU}CAL108~E383~{ON}{LET AH40,4}{BRANCH F384}

{RECALC AI116..AI117}

{LET AH83,0}

ISOK
{RECALC AI122}

{IF AJ60="Y"#OR#AJ60="y"}{BRANCH AI82}
{IF AJ60="N"#OR#AJ60="n"}{LET AH83,1}{BRANCH AI76}
{IF AJ60<>"Y"#OR#AJ60<>"y"}{GETLABEL "DATA ENTRY ERROR,HIT ENTER TO CONTINUE:",AJ60}{BRANCH AI122}

POINTS
{PANELOFF}{LET AK135,1}{LET AL135,0}{RECALC AI139..AI140}{BLANK Z4..Z8192}
{LET AJ136,G418+1}{LET AL136,G418}

{CONTENTS AK136,AJ136}{LET AK136,@TRIM(AK136)}{CONTENTS AM136,AL136}{LET AM136,@TRIM(AM136)}{RECALC

{IF AJ136=J361}{BRANCH AI148}
{LET AJ136,AJ136+1}{LET AL136,AL136+1}{BRANCH AI141}

Sheet1

{CONTENTS AK134,AK135}{LET AK134,@TRIM(AK134)}{CONTENTS AL134,AL135}{LET AL134,@TRIM(AL134)}

ENTERCG

{CONTENTS AG46,AG45}{RECALC AG47}{RECALC AI152}

{WINDOWSON}{GETLABEL "ENTER THE SECURITY:",STOCK}{IF STOCK=""}{EDCHK}

{GETLABEL "ENTER THE DATE OF PURCHASE (MM/DD/YY):",DATE}/RFD~~{RECALC AH16}{IF DATE=""}{LEFT}{BRANCH AI154}{CGB}{CONTENTS AH17,AH16}{RECALC AH18}{RECALC AI157}{IF @ISERR(AH16)}{ERS}{BRANCH AI155}

{GETLABEL "ENTER THE DATE OF SALE (MM/DD/YY):",DATE}/RFD~~{RECALC AH16}{IF DATE=""}{LEFT}{BRANCH AI156}{CGF}{RECALC AH16}{CONTENTS AH17,AH16}{RECALC AH18}{RECALC AI160}{IF @ISERR(AH16)=1}{ERS}{BRANCH AI157}

{GETLABEL "ENTER THE TOTAL SALE PRICE:",COST}/RFC~~{IF COST=""}{LEFT}{BRANCH AI158}{CGD}{LET COST,@VALUE(COST)}{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AI163}{IF @ISERR(COST)=1}{ERS}

{GETLABEL "ENTER THE COST OF THE SECURITY:",COST}/RFC~~{IF COST=""}{LEFT}{BRANCH AI161}{CGE}{LET COST,@VALUE(COST)}{CONTENTS AG23,AG22}{RECALC AG24}{RECALC AI166}{IF @ISERR(COST)=1}{ERS}

{RIGHT}{RECALC AB81}{LET AH86,1}{BRANCH AB81}

{GETLABEL "HIT ENTER TO RETURN TO PORTFOLIO WINDOW:",AM168}{IF AM166=1}{LET AG45,AM361}{LET AM166,0}{OFF}/WTC{HOME}{ON}{CGEDIT}

{OFF}{GOTO}A60~{ON}

{GETLABEL "ENTER THE DESCRIPTION OF THE CAPITAL GAIN TO BE DELETED:",AM173}{IF AM173=""}{BRANCH CG1}{OFF}{LET AM174,63}{GETLABEL "ENTER THE DATE THE SECURITY WAS SOLD (MM/DD/YY):",AM171}{LET AM171,@VALUE(AM171)}{CONTENTS AM175,AM174}{RECALC AM176}{RECALC AI175}

{IF AM174=AG45}{GETLABEL "CAPITAL GAIN NOT FOUND, HIT ENTER TO CONTINUE:",AM170}{BRANCH AI172}{LET AM174,AM174+1}{BRANCH AI174}{RECALC AI179}

{LET AM174,AM174+1}{CONTENTS AM175,AM174}{RECALC AM177}{LET AM174,AG45+2}{CONTENTS AM175,AM174}{RECALC AM178}{RECALC AI182}

{LET AG45,AG45-1}{CONTENTS AM175,AG45}{RECALC AM176}{LET AM174,AG45+2}{CONTENTS AM175,AM174}{RECALC AM177}{RECALC AI186..AI189}{CONTENTS AG46,AG45}{RECALC AG47}

SPLIT

{LET AM196,0}{BLANK AO4..AP8192}{GETLABEL "ENTER THE SYMBOL OF THE SECURITY YOU WISH TO SPLIT:",AM192}{GETNUMBER "ENTER THE #NEW SHARES/#OLD SHARES (i.e. 2/1):",AM193}{IF @ISERR(AM193)=1}{ERS}{BRANCH AI194}{SPY}{LET AM197,4}{PANELON}{INDICATE WAIT}{PANELOFF}{CONTENTS AM198,AM197}{RECALC AM199}{RECALC AI195}

{LET AM197,AM197+1}

Sheet1

```
{IF AM197=AD1}{BRANCH AI199}  
{BRANCH AI194}  
{\Q}{IF AM196=0}{GETLABEL "SYMBOL WAS NOT FOUND,HIT ENTER TO CONTINUE:",AK198}{\T}  
{LET C484,"AI205"}{LET C485,"\T"}{PANELON}{INDICATE "SPLIT"}{PANELOFF}{GETLABEL "DO YOU WISH TO UPDATE  
{IF AM201="y"#OR#AM201="Y"}{BRANCH AI204}  
{IF AM201="N"#OR#AM201="n"}{\T}  
{ERS}{BRANCH AI200}  
{OFF}{LET A228,AM190}{SYMS}{SYMSL}{SYMP}{LET AM189,@TRIM(A228)}{LET AF184,"="}{LET AH347,0}{RECALC AI20
```

OBV
{WINDOWSOFF}{PANELOFF}
{RECALC AI335}
{GOTO}AO5~
+AO4+V5*(U5-U4)/(S5-T5+.01)~

+AO4+(U5-U4)*V5~

```
{OFF}{GOTO}A60~{ON}{GETLABEL "ENTER THE DESCRIPTION OF THE CAPITAL GAIN TO BE EDITED:",AJ354}{LET A  
{LET AL354,63}{IF AJ354=""#OR#AJ354=""}{CGEDIT}  
{GETLABEL "ENTER THE DATE THE SECURITY WAS SOLD (MM/DD/YY):",AJ353}{LET AJ353,@DATEVALUE(AJ353)}{IF  
{CONTENTS AM354,AL354}{LET AM354,@TRIM(AM354)}{RECALC AI358}
```

```
{IF AL354=AG45}{GETLABEL "DESCRIPTION WAS NOT FOUND (HIT ENTER TO TRY AGAIN):",AN354}{CHGCG}  
{LET AL354,AL354+1}{BRANCH AI357}  
{LET AM361,AG45}{LET AG45,AL354}  
{LET AM166,1}{ENTERCG}
```

+AO4+(U5*100/U4-100)*@IF(V5<V4,1,0)~

```
{INDICATE TV}{LET AK377,"4"}{LET AK378,"4"}{LET AL376,0}{LET AK379,4}{PANELOFF}{WINDOWSOFF}/REAO4..AP819  
{CONTENTS AL379,AK379}{LET AL379,@TRIM(AL379)}{RECALC AI382..AI383}{IF AK379=AD1}{BRANCH AI391}
```

```
{LET AH347,0}{LET C484,"AI385"}{LET C485,"R"}{LET A228,AN382}{SYMP}{SYMS}{SYMSL}{LET AN382,@TRIM(A228)}{F
```

```
{LET AK379,AK379+1}{LET AM387,@IF(J361<AM387,J361,AM387)}{LET AK376,@STRING(AM387,0)}  
{IF AK379<AD1}{RESTART}{LET AL376,1}{BRANCH AI381}  
/RVAO4..AO8192~AO4~/RFD~AN394~{LET AN394,@NOW}{CONTENTS AN395,AN394}{RECALC AI392}{HOME}{PANELC
```

Sheet1

```
{GETLABEL "DO YOU WISH TO PLOT PORTFOLIO RELATIVE STRENGTH? (Y/N):",AN396}{IF @TRIM(AN396)="N"#OR#  
{IF @TRIM(AN396)<>"Y"#OR#@TRIM(AN396)<>"y"}{GETLABEL "DATA ENTRY ERROR, HIT ENTER TO CONTINUE:",AN  
{PANELOFF}{WINDOWSOFF}{LET AG341,"IND"}{LET AG350,1}{LET AD352,"{BRANCH AI396}"}{KA}
```

```
{RECALC AI399}
```

```
RSIT
```

```
{IF AL410+1>J361}{GETLABEL "NOT ENOUGH DATA FOR CALCULATION (HIT ENTER TO CONT):",AK407}{MENUBRAN  
{RETURN}
```

```
{RSIT}{WINDOWSOFF}{PANELOFF}{GOTO}AO5~+@IF(U5>U4,U5-U4,0)~  
{GOTO}AP5~+@IF(U4>U5,U4-U5,0)~{CONTENTS AL411,AL410}{LET AL411,@TRIM(AL411)}{RECALC AI412}
```

```
{LET AM410,AL410+1}{CONTENTS AM411,AM410}{LET AM411,@TRIM(AM411)}{RECALC AI414..AI417}
```

0

{GU}
Y

EMV
}

9

REC

3

-1
267

DELCO

+AO4+@IF(U5>U4,V5,-V5)*@IF(U5=U4,0,1)~
WILLIAMS ACC/DIST
ACC/DIST

367

\

PORTRS

14

14

NOT TRADED

9

3

10

267

2

```
{IF AM166=0}{RETURN}
{LET AE71,0}{RIGHT}{GETLABEL "ENTER THE BROKERAGE SELL COMMISSION:",AK164}/RFC~~{IF AK164=""}{LEFT 2
{IF AK164=""}{RETURN}
{LET AK164,@VALUE(AK164)}{RECALC AK169..AK170}{IF @ISERR(AK164)=1}{ERS}{LEFT}{BRANCH AK166}
```

Sheet1

Y

```
{GETLABEL "DO YOU WISH TO ADJUST STOCK PRICE AS WELL AS VOLUME? (Y/N):",AK198}  
{IF @TRIM(AK198)="Y"#OR#@TRIM(AK198)="y"}{LET AL198,1}{RETURN}  
{IF @TRIM(AK198)="N"#OR#@TRIM(AK198)="n"}{LET AL198,0}{RETURN}  
{GETLABEL "DATA ENTRY ERROR, HIT ENTER TO RETRY:",AK198}{BRANCH AK199}
```


267
4
4

23
20

"

1

1
0

#NAME?
#NAME?

2602

51.125

51.125
266

Sheet1

{RECALC AL149}{IF AM166=1}{LET AM166,0}{LET AG45,AM361}/WTC{ON}{CGEDIT}
#NAME?

{IF STOCK=""}{RIGHT}{BRANCH AI155}

{IF DATE=""}{RIGHT}{BRANCH AI158}

{IF DATE=""}{RIGHT}{BRANCH AI161}

{IF COST=""}{RIGHT}{BRANCH AI164}

{IF COST=""}{BRANCH AI167}

"

PORTFOLIO NAMES

266

13

16

+AO4+(U5*100/U4-100)*@IF(V5>V4,1,0)~

4

31967

SNDCK

45
4
107

18

18


```
DT
{IF AH62=""}{LET AH62,@NOW}{BRANCH AM68}
{IF AH62=""}{BRANCH AI60}
{LET AH61,@DATEVALUE(AH62)}{IF @ISERR(AH61)=1}{ERS}{BRANCH AI63}
{RETURN}
5
3
```

0
12

3

266

HWP

66

66

66

66

IBM

IBM

5

5

Y

Y

ADF

18

16

```
{IF J361<AL338}{GETLABEL "NOT ENOUGH DATA FOR CALCULATION (HIT ENTER TO CONT):",AL345}{HOME}{ON}{M}{  
{RETURN}}
```

63

```
{GETLABEL "FILES HAVE DIFFERENT END DATES (HIT ENTER TO CONT):",AL378}{HOME}{\R}
```

```
{LET AK377,@IF(AL376=1#AND#AM387<J361,@STRING(4+J361-AM387,0),"4")}  
{LET AK378,@IF(AL376=1#AND#AM387>J361,@STRING(4+AM387-J361,0),"4")}
```

#NA

31

```
{IF AN382=@TRIM(S1)}{ROWT}{FL}{OFF}{BRANCH AI386}
```

