

Sheet1

NPV

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Net Present Value Calculator

Periods/Year:

Period Number

Cashflow Value

Accumulated  
Cashflow

% Discount  
Rate (p.a.)

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Net Present  
Value

Sheet1

\M:  
{home}/XMmenu~

MENU:  
Input  
Input periods per year, cash flow values, and discount rates.  
/XG\i~

INPUT:  
Cashflow  
Enter cashflow values per period  
{home}{goto}b10~  
/RUa6~/Cl1~a6~/RUa6~  
/RUd6.e11~/Co9.p14~d6~/RUd6.e11~  
/XGdowncol~

BLANK:  
No  
Do not erase data. Return to main menu.  
/XMmenu~

CALC:  
/XCtestdata~  
/XIncash=@count(b10.b310)#AND#ndisc=@count(d15.d315)~/XGg39~  
/XCsetcount~/XCerase~  
/XCclearmsg~{home}{pgdn}{goto}a9~  
{goto}a10~/RNCpdnums~{bs}~{right}{end}{down}{left}~  
{right}/RNCcashflow~{bs}~{end}{down}~  
{right}/RNCaccum~{bs}~{left}{end}{down}{right}~  
/RUaccum~+{up}+{left}~/Cc10~accum~/RPaccum~  
{goto}d15~  
/XI@count(d15.d16)>1~/RNCdisrates~{bs}~{end}{down}~{right}/RNCnpvs~{bs}~{left}{end}{down}{right}~{right}/RNCdisfacts~{b  
/XI@count(d15.d16)=1~/RNCdisrates~{bs}~{right}/RNCnpvs~{bs}~{right}/RNCdisfacts~{bs}~  
/RUDisfacts~(1+0.01\*{left}{left})^(1/\$b\$7)~/Cf15~disfacts~/RPdisfacts~{left}  
/RUNpvs~@NPV({right}-1,\$cashflow)\*{right}~/Ce15~npvs~/RPNpvs~  
{home}{calc}/XMmenu~

RESULTS:  
Cashflow  
Display cashflow figures and column headings.  
{home}{pgdn}{goto}a7~{down}{down}{down}  
/XI@count(b10.b27)>17~/XGscrollcol~  
/XMresults~

GRAPH:  
Cashflow

Sheet1

Display Graph of cashflow and cumulative cashflow.

/GXpdnums~Acashflow~Baccum~

OLA{esc}Cash Flow~LB{esc}Cum Cash Flow~

TF{esc}CASH FLOW VALUES~TX{esc}Period Number~TY{esc}\$~QQ

{goto}setskip~{down}@MAX(1,@INT(@COUNT(cashflow)/5)){calc}~{edit}{home}'~

/XCsetskip~

/GVQ

/XMgraph~

GRAPHOPT:

Color

Display graph in color.

/GOCQVQ

/XMgraph~

PRINT:

{home}/RUcopyright\_p1~/REcopyright\_p1~

/XLAAlign Paper, Press Enter.~temp~

{goto}b10~{end}{down}{right}{right}

/RNCdummy~{bs}.{down}~

/XI@count(dummy)>1~{end}{down}

{right}

/PPR{bs}.{left}{left}{left}{left}{end}{up}{down}~

OBra1.a9~Q

GPQ

{home}/Ccopyright~copyright\_p1~/RPCopyright\_p1~

/XMmenu~

## Sheet1

BEEP:

```
//{esc}
```

```
/XR
```

Blank

Blank out all input areas.

```
/XMblank~
```

Periods/Yr

Enter number of periods per year.

```
/XNNo. of Periods per Year: ~temp~
```

```
/XI(temp<=0)#or#temp<>@int(temp)~/XCbeep~/XLPeriods must be >0 & Integer~temp~/XGf12~
```

```
/RUb7~/Ctemp~b7~
```

```
/XMinput~
```

Yes

Erase all input data and results.

```
{goto}b7~/re~
```

```
{goto}b10~/RE{end}{down}{right}~
```

```
{goto}d15~/RE{end}{down}{right}{right}~
```

```
/XMmenu~
```

NPV

Display discount rates and net present values with column headings.

```
{home}{pgdn}{goto}a13~{right}{right}{right}{down}{down}
```

```
/XI@count(d15.d33)>18~/XGscrollcol~
```

```
/XMresults~
```

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## Sheet1

Display graph of Net Present Values.

/GXdisrates~Anpvs~RBQ

OLA{esc}Net Present Value~

TF{esc}NET PRESENT VALUE~TX{esc}Discount Rate~TY{esc}NPV \$~QQ

{goto}setskip~{down}@MAX(1,@INT(@COUNT(disrates)/5)){calc}~{edit}{home}'~

/XCsetskip~

/GVQ

/XMgraph~

B&W

Display graph in monochrome.

/GOBQVQ

/XMgraph~

Sheet1

DOWNCOL:

{?}{down}  
/XGi2~

Calc

Calculate results  
/XGcalc~

DiscRate

Enter annual discount rate (%).

{home}{goto}d15~  
/RUa6~/Cl1~a6~/RUa6~  
/RUd6.e11~/Co9.p14~d6~/RUd6.e11~  
/XGdowncol~

TESTDATA:

/XIb7=0~/XCbeep~/XLZero periods per year not allowed.~temp~/XMmenu~  
/XI@count(b10.b11)<2~/XCbeep~/XLFewer than 2 cashflow values entered.~temp~/XMmenu~  
/XI@count(d15.d16)=0~/XCbeep~/XLNo discount rates entered.~temp~/XMmenu~  
/XR

Quit

Return to main menu.

{home}  
/XMmenu~

Type

Set type of graph.  
/XMgraphtype~



Sheet1

\\:  
{home}/XMinput~

TEMP:

Results  
Display results.  
/XMresults~

Graph  
Plot graphs of cashflow and/or results.  
/GOTS{?}~QQ  
/XMgraph~

Quit  
Return to main menu.  
/XCclearmsg~  
/XMmenu~

NCASH: 14

NDISC: 14

SETCOUNT:  
{goto}ncash~  
@count(b10.b310)~{edit}{calc}~  
{goto}ndisc~  
@count(d15.d315)~{edit}{calc}~  
/XR

ERASE:  
/RUc10.c310~/REc10.c310~/RPc10.c310~  
/RUe15.f315~/REe15.f315~/RPe15.f315~  
/XR

Options

Quit

Sheet1

Set color or monochrome display option. Return to main menu.  
/XMgraphopt~ /XMmenu~

GRAPHTYPE:

Line

Display a line graph.

/GTLOFGBQQVQ

/XMgraph~

Bar

Display a bar chart.

/GTBVQ

/XMgraph~

To end, press ctrl-break then alt-I.

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Print

Print input data and results

/XGprint~

AGENDA:

No

Do not leave this worksheet; Return to main menu.

/XMmenu~

\0: \B:

{home}/WGPD/DFa10.a310~0~1~300~/WGPE

/RUb7~/RUb10.b310~/RUd15.d310~

/RUncash~/REncash~

/RUdisc~/REndisc~

/XG\m~

SCROLLCOL:

/WTH

/XMscroll~

Scatter  
Display a scatter chart.  
/GTLOFGSQVQ  
/XMgraph~

Sheet1

Agenda

Return to worksheet selection agenda.

/XMagenda~

Quit

Exit to 1-2-3 READY mode.

{home}

Yes

Leave this worksheet; Go to worksheet selection agenda.

/FRagenda~

SCROLL:

Down

Scroll down one screen.

{pgdn}

/XMscroll~

Up

Scroll up one screen.

{pgup}

/XMscroll~

SETSKIP:

/GOSS

1  
~QQ/XR

CLEARMSG:  
/REa6~/REd6.e11~  
/XR

-----  
In cashflow value column:  
- Cash Inflows are POSITIVE  
- Cash Outflows are NEGATIVE  
- Period 0 is NOW  
-----

Quit  
Return to results menu.  
/WTC  
/XMresults~