Texas Instruments BAII PLUS

COMPUTING NPV AND IRR:

Consider a project with the following characteristics:

Year	CF
0	(\$7,750)
1	4,000
2	3,000
3	1,000
4	2,000

If the firm's required rate of return is 14 percent, the cash flow time line for this project is:



To solve for the net present value (NPV), follow these steps:



Press ; Enter 1,000 and press ENTER	C03 =	1,000 should be displayed
Press ↓;	F03 =	1 should be displayed; the interpretation of this number is the same as for F01.
Press ; Enter 2,000 and press ENTER	C04 =	2,000 should be displayed
Press NPV ;	I =	0 should be displayed; this indicates that you must enter the interest rate, which is the required rate of return before the NPV can be computed.
Enter 14 and press ENTER	I =	14 should be displayed
Press ↓;	NPV =	0 should be displayed; the NPV has not been computed yet.
Press CPT ;	NPV =	-73.69341382 should be displayed
Press ;	F02 =	1 should be displayed; the interpretation of this number is the same as for F01.

To solve for the project's internal rate of return (IRR), enter the cash flows as describe earlier, and then:

Press **IRR**; then press **CPT** IRR = 13.44 should be displayed; the

The project is not acceptable, because NPV < 0 and IRR < r = 14%