

- AU of 0.4 × 20,000

= 11,571

Pay back Period

If note of interest is given to - (discounted) Pay back period

Cath Flown CF	Cumula line CF
25	25
35 25	60
30	90
40	130
25	155

Contract out the believe between	C. P. C. C. C.			and the same
	,			
1. Suppo	se a machi	e requires an in	tial investment	of 400
B 25,	000 again	t the return o	of 10,000, 9	1000,4000,
		ent 5 yrs respe	strily. St. Fin	atte
· ·	paybask	geriod.	3 yrs 3 mates (A	~) - K
CF Cupully		<i>(,</i>	3 / (100	20 xxx maline
1 10,000 10,000	`. 3 yw	+ (25000-24000 X	12 martis)	2 mofre.
1 4000 25,000				
2/2000 30,000		+ 1000 X12 months a 3 months (Aw)	V	9
		ce ce	l çv	Cumulative
2.	0	-1,00,000	10000	
	,	20,000 \$ (1+i)	17857.19286	17857.14286
	2	30,000 0 \$ (14)	2 2 1 1 7 1 1 20	41772.95186
	3	40,000 × (1+;)		70244-16186
	6	50,000 (14)	VA.	102020.0689
	5	30,000	17-022-81	1119042.8746
· i=	12%	•		
		7 1/1	0.12	1/_
-	. 7 P =	= 20,000 X	9.12	(x+0./5)
	1'/	= 2	T(-
			(166665 40	244.14 + 84) 19-70244.(61 F6)
			7	_
1	: gantos	he pried ,		
£.	340+ (29\$755.83	XII	
	= 3.9	3 (m)		

*				nd to pur	
3.	Broject 1	Care Outston	Annual Inflor	rife	
.a.	1:	3 lacs	1,10,000	5	
	ନ 8	2.5	56,000	7	
	C	5	1,00,000	io	
,	D	4	90,000	12	
Y	E	1.5			
- Andrew	E		30,000	\$.	
1	Fird Ber	Cost Rott	is or the Brofit	phility Inden.	
	_	PW of ins	100		
	, *)	PW of our	tour		
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
· A project will be selected if BCR).					
b .	h.	Project A	$\rho(1+i)=0$	A [(1+1) ⁿ -[
Type	20/0.3	PW p & inflower	2 110000 (1+0.13)	-1 X (1+0.16)8	
A			= 377638.91		
1-259 Ber= 377638.91					
300000					
0.961 = 1.259 (mm)					
S 8					
"7KALE ZU 0 1 4 7. () 1-1					
1.274 :. BCR = 240145.07) 250000					
	Ē	_ 3,2	250000		
	0.928		= 0.961 (m)		

D

E

2.

١.	yr	<u>A</u>	В
	۱ 2	30,000	40,000
3 4 5	1132,000	94,000	
	8 4,000	1,02,006	
	5	000,38	90,000

A all markine B, and no scrab values at the col.

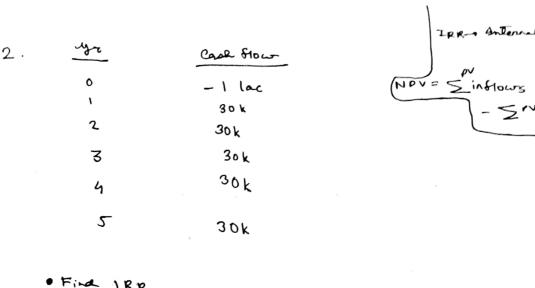
The rate of interest is 16% ger annum.

Find the net greene values, benefit, in break allematine
and discoursed paybords period.

An 3.61

By 4.19

			(Discouring			Cumulative		
<u>zr</u>	A	B	Distactor	PVA	PVB	PYA	Pvs	
ì	-	60,000	(1+1)-1-0.862	- 51	720	-	51720	
1	30,000	\$4,000	(1+1)-0.743	22290	62412			
3	1,32,000	96,000	0.641	84612	61536			
4	94,000	1,02,000	0.552	4 6368	56304			
5	11,000	96,000	0.476	4 18 88	42840	195158	274812	
					-	(0)58	- 2400m	
						Net	valuer	
							valuer	



· Find IRR

$$P(1+i)^{n} = P\left[\frac{(1+i)^{n}-1}{i}\right]$$

$$\Rightarrow 0 = 30,000 \left[\frac{(1+)^{m}-1}{(1+)^{m}+1} \right] - 1,000,000$$

$$\Rightarrow 0 = \left[\frac{(1+i)^{m}i}{(1+i)^{m}i} \right] - 31.33$$

$$\frac{(1+i)^{n-1}}{(1+i)^{n-1}} = 3.33$$

$$\frac{(1+i)^{n-1}}{(1+i)^{n-1}} = 3.33$$

$$-(184.87)$$

$$-1771.19.$$

· Find the in the range # 1=15%, 19%.

= 15.25%

Both the methods NPV and IRR are very notifice so as to evaluate a cross difference alternative, however there also lies a few growth of distinction between the two methods—

NPV is brown as the difference between the summation of the present valuer of all the cash inflower and present values of the all the cash outflows.

NPV = Sicr - Sicro

the CF, indicates the inflows and CFo indicates the outflow.

Similarly at this NPV = 0.

In this case IRR into will be calculated by

where I al in one the lower of the ligher rate of interest respectively and NPVL of NPVL on the bariof lower al light rate of interests.

2) " Vader the NPV method, the great values are calculated after discourting the fitter cone flow at a specified or gre-determined to discounting rate. On the other hand side, IRR is calculated by a trial and error method which is used To find the great values of the card inflower at the case offers. 3) Under the NPV method, only the gosiline value are selected. On the other hard side, in case of IRR where the note of interest is greater than the cost of capital vill only be selected. 4) While ranking Two or more number of the projects, NPV is a lit more realistic motod than the IRR. Q 5) Yes NPV method is also quite realistic because rate the re-investment of the cash flows are gossible which is not the case for IRR. - July

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