3.4.3 piscounted payback period

Q: Initial investment: 30k

Yearly Return on Investment: 12.5%

Promised yearly return: 10K

calculate: Discounted payback period

Year	Project Cash Flow Discoun	t Un discount
2		
3	/	/
4	(	ι
5		

## Solution @ Discount Factory 1/1+0.125 = 0.89

Year	Project Cash Flow Discount	Undiscount
	8900	\$10,000
2	7921	\$ 10,000
3	7050	\$ 10,006
4	6274	\$10,000
5_	5584	\$ 10,000
Payback period	3.9769 Years	3 Years

$$(0,000 \times 0.89^{2} = 8900)$$

$$(0,000 \times 0.89^{2} = 792)$$

$$4 - \frac{6274 - 6129}{6274} = 4 - \frac{145}{6274} = 3.9769$$