9 Extra Problems Wednesday, October 28, 2020 2:09 PM

debrate : 15%

PROBLEM

Pa-200 M-1.5% Pro-200-1.01510-232.10

Option two involves an upfront cost of \$200 to purchase an asset. At the end of each of the next four years, the asset returns \$40. After year 4, she will have no further use for the asset and will sell it, taking payment for the asset at the end of year 5 at its market value of that time. The market value depreciates at 10% per year. Assume Megan's discount rate (safe interest rate) is

$$t \mid A \mid B \mid \Gamma = 3/1$$
 $0 \mid -10 \mid -10$
 $1 \mid 15 \mid -5 \mid NPV_A = -10/1.03' + 15/1.03'$
 $1 \mid NA \mid 10 \mid NPV_B = -10/1.03' + 10/1.03' +$

ay=3.717

a) What is the horizon value?

~= sateon rate

$$\alpha(s,t) = (1-s^{-1})(s^{-1}-s^{-1})$$

b) Suppose that when the program ends, there will be a clean-up cost of \$1000 that must be subtracted to calculate the horizon value. What is the horizon value now? £ 15 16 17 18 ...

$$\frac{99}{5000} P_{t} = 1$$

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