Net present value.

1. Time is discrete

period 0, 1, 2, 3 ---

2. discount factor $\beta = 3$ interest rate $\gamma = 3$ periods

assuming constant distact β

Example 1:

stock: pay ne of every period, starting from o

PV of this stock? PV = d + (3 · d + (3 · d - - ·)
= \frac{\frac{1}{5}}{5} \dots \frac{1}{5} = d \cdot \frac{1}{1-15}

PV of this stock? assume pays $\underline{\underline{}}$ $\underline{\underline{}}$

Example 2

purchase a bond $\beta = \overline{t+r}$ period $\alpha = \overline{t+r}$ period $\alpha = \overline{t+r}$ por to buy

price $A = \overline{t+r}$ $A = \overline{t+$

PV at period 2? = $c + \beta \cdot c + \beta^2 \cdot (c + P)$ Example 3 3 stock 0 1 2 3 4 5 - period d. d3 d5

PV? = B.d. + B.d3 + B.d5 ---