TIME VALUE OF HONEY - VIGUAL DERIVATION

(#) FORWARD COMPOUNDING CHAIN:-(\$\frac{1}{2}\too -7 \times \frac{1}{2}\too -4\too -7 \times \frac{1}{2}\too -7 \times \frac{1}{2}\too -4\too -7 \times \frac{1}{2}\too -7 \times \frac{1}\too -7 \times \frac{1}{2}\too -7 \times \frac{1}{2}\too -7 \ti

1

E-1

E

2 1

E -

-

-

- (1) VALUE GROWING EACH YEAR AT 10%-
- (*) DISCOUNTING

 [146-44]->=1.10->[2133.1]-=1.10->[2
 121]->=1.10->[2100]
- (ii) DISCOUNTING: DULLING THE FUTURE VALUE
 BACK TO PRESENT USING (Y+V) 77.
 - => x (1+r) (0p) = (1+r), WHERE Y= 107. Per year.
 - DV is the amount today that grows to a future value after n years (TIME REDUCES VALUE UNLESS COMPENSATED WITH RETURN).

FORMULA: PV = FV/(1+1)2 FV = 146.49 Y = 10%. N = 4, PV = 2100