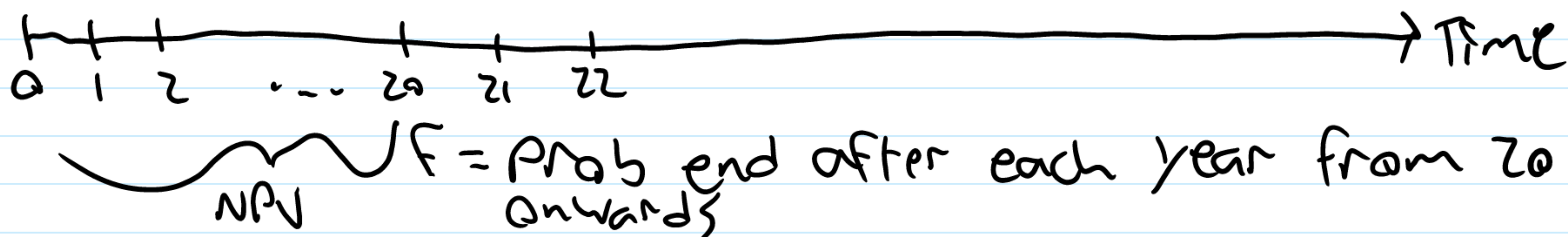


## 1) Infinite horizon with probability of obsolescence



$(1-F)$  reach  $T+1$   
 $(1-F)^2$  reach  $T+2$   
 $(1-F)^3$  reach  $T+3$   
 $(1-F)^n$  reach  $T+n$

$$\frac{(1-F)}{(1+r)} NB_{z1} + \frac{(1-F)^2}{(1+r)^2} NB_{z2} + \dots \quad \text{OR} \quad \left[ NB \sum_{t=1}^{\infty} \left( \frac{1-F}{1+r} \right)^t \right] / (1+r)^T$$

## 2) Scrap or Liquidation Value

- can be negative
- how to estimate

## 3) Depreciated Value

- accounting rules  $\neq$  market value
- market depreciation value
- Liquidation Value =  $V_0(1-d)^T$

## 4) Fraction of initial cost

- if  $(1-d)^T$  is the fraction, same as 3. If not, what?

NPV through  $T + H_T / (1+r)^T$

Sensitivity analysis on  $T, H_T$ , breakeven values