YIELD TO MATURITY: hold to maturity: For example: A coupon bond has YTM, i, satisfying  $P = \frac{C}{1+\hat{\iota}} + \frac{C}{(1+\hat{\iota})^2} + ... + \frac{C}{(1+\hat{\iota})^N} + \frac{F}{(1+\hat{\iota})^N}$ Today's
price All coupon payments face value un fil maturity payment at maturityPATE OF RETURN. chagines: you pay price Pt today, hold for I year, collect any payments, then Sell for PtH tomorrow Rate of return: r B.g. For a coupon bond  $P_{\mathcal{B}} = \frac{C}{1+r} + \frac{P_{\mathcal{C}H}}{1+r}$ collect Sell after 1 causen 1 year payment With some algebra  $P_t + rP_{tH} = C + P_{tH}$   $\Rightarrow r = \frac{C}{P_t} + \frac{P_{tH} - P_t}{P_t}$ The usual