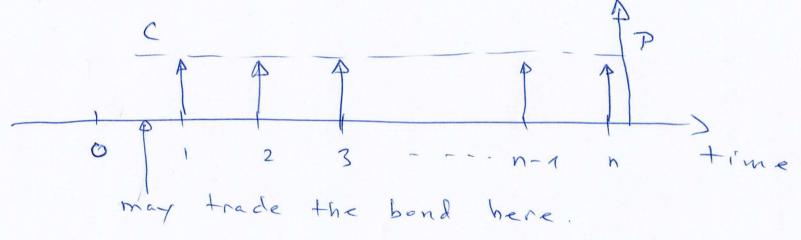
[PLAIN- VANILLA] BOND

BOND = ANNUITY [ORDINARY] + CF @ END OF THE ANNUITY



P: principal (face value) P=\$1,000. C: coupon.

B: price of the bond; B(t)Zero-coopen bond (=) C = 0

MATURITY

- 3 mos, 6 mos, 9 mos, 1 year, ..., 10 years, 20 grs, 30 grs.

- very short maturity => may not have coupons.

- long maturities => typically have coupons.

- zero coupon bonds, - are simple - are useful b/c they have advantageous features wit the risk management. Le rare for long maturities

COUPON

C - expressed as $90 \text{ of } face value.}$ $P = $1,000 } = 7 \text{ coupon payments are } C \text{ is } 890 } P.0.08 = $80 \text{ per year } (total).}$

Typically, there 2 coupon payments per year. (semi-annual coupons). Other choices are possible.

bond pags 8%, coupons are semi-annual"

LL> \$80 are paid out as coupons per year

each coupon is \$80 = \$40

CALCULATOR

$$N = 10$$
 $1/7 = 10\%$
Eperiod = 4 year]

 $PMT = 480$
 $FV = $1,000$
 $CPT PV : -4877.11$

Yield: Example 3 Calculator:

$$N = 2.t = 20$$
 periods
 $Pi/Y = \frac{10\%}{2} = 5\%$
 $PMT = \frac{80}{2} = 40
 $FV = $1,000$
 $CPT PV = 875.38