## BONDS

- "package"

annoity (coopons) : (L'easly

payout

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

- coupon rate: NOT AN INTEREST RATE!

  Ly fraction of face value paid out as
  coupons PER YEAR.
- bond price: B
- Yield: interest rate that makes

  B = PV (cash flows)
- Tield is a nominal annual rate that must be compounded as many times as there coupan payments in a year.

## $\rightarrow B$

$$N = 15.2 = 30$$
 (coupon payments, cpr. periods)  
 $i/\gamma = \frac{\gamma}{2} = \frac{7.5\%}{2} = 3.75\%$   
 $PMT = \frac{C}{2} = \frac{1,000.4\%}{2} = $45$ 

## $B \rightarrow Y$

$$N = 10 \times 2 = 20$$

$$PMT = \frac{C}{2} = \frac{1,000.89}{2} = $40$$

## INFLATION

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$$\frac{D_1}{D_0} > 1$$