

* RWJL, Cap. 8, Ex 2 ✓

Obs.: Vamos usar o padrão norte-americano, no qual as taxas são anuais, mas aplicadas semestralmente, de forma proporcional.

$$F = 1000$$

$$\text{Cuprem} = 7\%$$

$$n = 15 \text{ a}$$

Pagamentos Semestrais

$$\text{Cupom} = 1000 \times \frac{7\%}{2} = 35$$

$$\begin{array}{ccccccc} 35 & 35 & 35 & 35 & \dots & 35 & \uparrow 1000 \\ \uparrow & \uparrow & \uparrow & \uparrow & & \uparrow & \uparrow 35 \end{array}$$

↓ P_0

$$P_0 = \frac{35}{(1 + \frac{YTM}{2})} + \frac{35}{(1 + \frac{YTM}{2})^2} + \dots + \frac{35 + 1000}{(1 + \frac{YTM}{2})^{30}}$$

a) Se $YTM = 7\%$, $P_0 = 1000$

b) Se $YTM = 9\%$, $P_0 = 837,11$

c) Se $YTM = 15\%$, $P_0 = 527,58$

na HP: letra b)

35 PMT

9 END

30 n

1000 FV

4,5 i

PV: - 837,11