

$$i_r = \frac{(1+i)}{(1+5)} - 1 = \frac{1.08}{1.06} - 1 = \frac{1.08}{1.06} - 1 = \frac{1.497}{1.06} = \frac{1.49}{1.06} = \frac{1$$

$$x(1.01897)(P/A, 0.03055, 30) = (P/A, 0.05, 20)(P/F, 0.05, 20)$$

$$2 \frac{(1.03055)^{30} - 1}{0.03055(1-03055)^{30}} \frac{(1.05)^{20}}{0.05(1.05)^{20}} \frac{1}{(1.05)^{20}}$$

3,
$$PW_{p} = -800 + 0.2 (800) (P/F, 0.2, 15) - 80(P/A, 0.2, 15) - 15(A/P, 0.2, 5) (P/A, 0.2, 15) + (0.03 - 0.0)328(365)(P/A, 0.2, 15)
-15(A/P, 0.2, 5) (P/A, 0.2, 15) + (0.03 - 0.0)328(365)(P/A, 0.2, 15)
-12(PA/P, 0.2, 5) (P/A, 0.2, 15) + (0.03 - 0.00) $\alpha(3.5)$ (P/A, 0.2, 15)
-12(PA/P, 0.2, 5) (P/A, 0.2, 15) + (0.03 - 0.00) $\alpha(3.5)$ (P/A, 0.2, 15)
 $\alpha = 31.42$
 $\alpha = 31.42$$$

PW:
$$-12000((P/A, 0.1, 12))(1-t) = -4706f.57$$

5.20

6. a) EAC(n): $3800(A/P, 159.5n) - 3700(0.5)^{9}(A/F, 159.5n)$
 $+1100+250(A(B.151.5n)) - 3800(0.5)^{9}(A/F, 159.5n)$
 $+1100+250(\frac{1}{0.15} - \frac{1}{1.15} - \frac{1$

b)
$$T: \frac{200}{20} = 10$$
 $T: \frac{300}{40} = \frac{15}{2}$ chose T
 $T: \frac{300}{40} = \frac{37}{2}$

8.00) $0 = 12 + 3 [P/A, i, 5] + 2 (P/F, i, 5)$

0= $-17 + 4 (P/A, i, 5) + 3 (P/F, i, 5)$

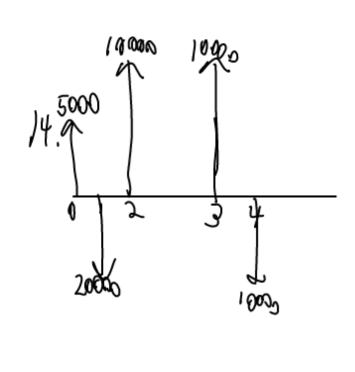
b) challerge B with A according to Somuly

9.00) $1_{AA} = \frac{1_{AA} (1 - t)}{1 + 5} - \frac{1_{AA} (1_{AA} + 1_{AA})}{1 + 5} - \frac{1_{AA} (1_{AA} + 1_{AA})}{1 + 5}$

10. EAC(n) = $1_{AA} = \frac{1_{AA} (1_{AA} + 1_{AA})}{1_{AA} (1_{AA} + 1_{AA})} - \frac$

3 haves

chose 2



14.
$$5000 (F/P, 20\%, 4) + 10000(F/P, 20\%, 2) + 10000(F/P, 20\%, 1)$$

$$= 20000 (F/P, i, 3) + 10000$$

$$5000(1.2)^4 + 10000 (1.2)^2 + 10000(1.2) - 10000 = 20000 (1+i)^3$$

$$= 1.3384 = (1+i)^3$$

$$= 1.102 = 1+i$$

$$= 10.203\% CMAAL$$