

Problem Set 3

1	1,029.56 € 1,786.52 € 514.78 € 2,676.45 € 1,319.01 €	6	simple capn 1 yr disc f 2 yr disc f	14 PV debt 34,553.50 € PV debt 35,558.63 €	don't cancel the debt cancel the debt
		2%	0.9804 0.9615	15	6.051% 54,290.25 €
		5%	0.9524 0.9091		5.875% 54,421.77 €
		10%	0.9091 0.8333	16	1,636.65 € 54,301.53 €
		20%	0.8333 0.7143		2,008.55 € 6.000%
2 Annual rate	6.168%		compound capn 1 yr disc f 2 yr disc f	17 forward rates	25a 5.841%
	1,030.38 € 1,795.02 € 515.19 € 2,697.70 € 674.43 €	2%	0.9804 0.9612	1 5.50% 5.500%	25b 5.870%
		5%	0.9524 0.9070	2 5.70% 5.900%	26 0.247%
		10%	0.9091 0.8264	3 6.00% 6.603%	2.47 € each month 14.80 € total
		20%	0.8333 0.6944	4 5.90% 5.601%	27 0.041667
3 Annual rate	12.00%		7 PV of options 1.0150	spot rates	12.716%
	990.60 € 1,067.67 € 486.03 € 1,785.71 € 918.88 €		A 100,000.00 €	1 4.50% 4.500%	28 2.74816
			B 155,100.10 €	2 4.70% 4.600%	29 1,350.00 € cash 496.32 €
			C 135,014.61 €	3 5.00% 4.733%	497.54 €
			D 165,999.32 €	4 5.20% 4.850%	498.77 € 1,492.63 €
				18 12.000%	30 1.50% 18.000%
4 SAME as 3		8 Factor sum 5 yr	5.52563125	19 final balance 6,952.37 €	2.50% 10.000%
5.1 Effective APR		Cash	7,238.99 €	tax 200.00 €	6.00% 5.855%
10%	10.471%	9 Factor sum 3 yr	2.723248029	Withdraw 6,752.37 €	7.00% 7.251%
3%	12.551%	Cash	36,720.86 €	20 0.407%	31 150,000.00 € 30,000.00 €
8%	17.227%	10 first	2,000.00 €	21 nominal APR 18.310%	2.80% 0.2333%
5%	5.127%	second bank	4,000.00 €	n years 3.785578521	26,824.83 €
5.2 Effective monthly		11 effv APR bank 1	3.02%	22 83.33333333 per month 3.6 months	32 FV 150,000.00 €
4%	0.327%	effv APR bank 2	6.14%	23 22.51708531 semesters	32a Yes 70000 181,561.97 €
5%	0.415%	half yrly rate	3.02%	11.25854265 years	
1%	0.949%	12	15,450.00 €		

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