

Problem Set 5.ii

1	Price bond			934.07 €
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2	PV payments	38.65 €		952.36 €
	Price	991.01 €		
	cash	-40		
	cash	-1040		
	yield/IRR			4.480%

3	10	3.923%	8.1421	
	price			1,006.27 €
	req return			8.160%

4	4	2.470% a n r		3.7647
	6	1.980% a n r		5.6051
	V4	150.59 (4 & 5)		
	V0	224.21 (1, 2 & 3)		
	PV (coup+princ)			1,164.43 €

5	5.000%	5	3%	4.5839
	PV coupons			91.68 €
	PV (coup+princ)			875.20 €

8.1	Coupon	240		
	n	12		
	r	5%		
	V0 Coupon	2,127.18 €		
	Price			5,468.20 €

6	off r	4.50% mor		
	Price	5,867.97 €		
	Total Rev	5,867,970.66		
	adv & promo	50000		
	bank cost	30000		
	real return	3.663%		
	eff APR			7.461%

7.1	Coupon	60		
	n	5		
	r	4%		
	V0 Coupon	267.11 €		
	Price			1,089.04 €

7.2	Price w prem			1,294.52 €
	g	2%		
	V0 C	277.58 €		

7.3	Price			1,099.51 €
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8.2	Coupon	1500		
	n	16		
	r	4%		
	V0 Coupon	17,478.44 €		
	Price			41,504.31 €