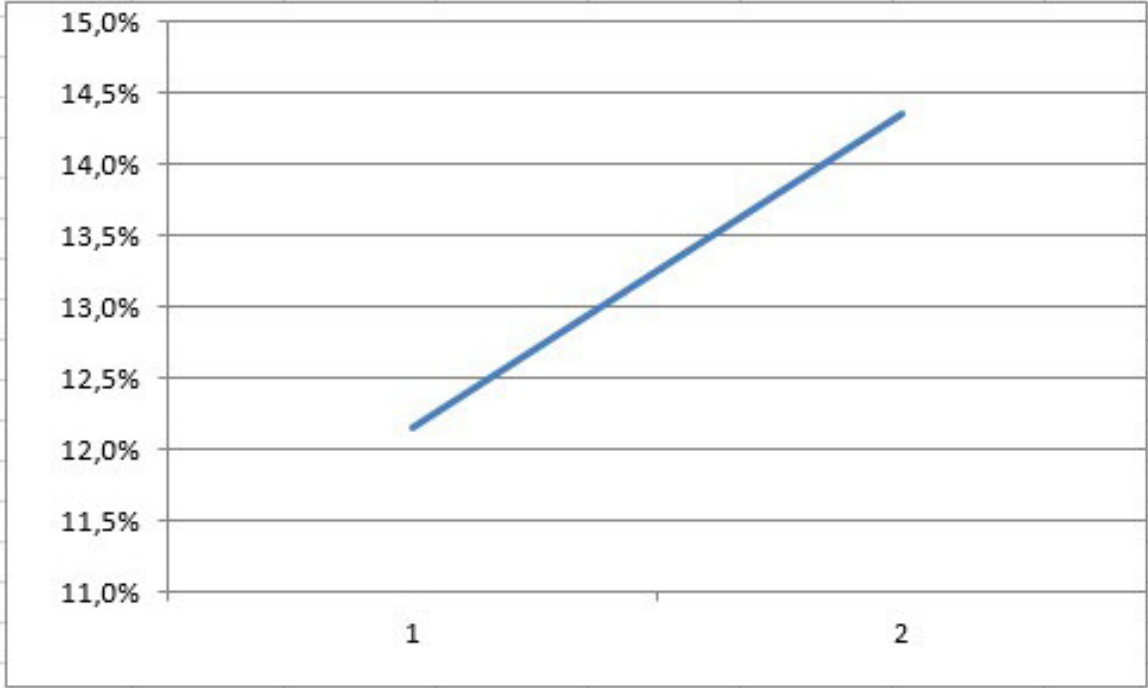


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	2.																						
2	Completely certain return has linear probability distribution that is parallel to X axe.																						
3	Completely uncertain return has linear probability distribution that is parallel to Y axe.																						
4																							
5	3.																						
6		A	B																				
7	Expected return	7%	12%																				
8	St.deviation	35%	10%																				
9	Correlation	-0,3	0,7																				
10	Beta	-1,5	1,0																				
11																							
12	Security A is riskier as it has higher standard deviation along with lower expected return.																						
13	Besides, it is negatively correlated with the market and has higher beta coefficient in absolute values.																						
14																							
15	4.																						
16	Risk premium on a high-beta stock will increas more than that of a low-beta stock.																						
17	This occurs due to implied higher standard deviation in the high-beta stock which makes it riskier for investors.																						
18																							
19	5.																						
20	Not necessarily, as the beta coeffient might have negative value and one should also consider market deviations' impact.																						
21																							
22																							
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43																							
44																							
45																							
46																							

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	1.																						
2		Total investment	Beta	Weight	Weighted beta																		
3	Stock A	\$20 000	0,7	36%	0,25																		
4	Stock B	\$35 000	1,3	64%	0,83																		
5	Total	\$55 000			1,08																		
6																							
7	Portfolio's beta is 1,08.																						
8																							
9	2.																						
10	Beta	0,8																					
11	Rf	4%																					
12	Rm	12%																					
13	R(AA) =	10,4%																					
14																							
15	7. a)																						
16	Rf	5%																					
17	Rm	10%																					
18	Ra	12%																					
19	Beta =	1,4																					
20	7. b)																						
21	Beta*	2,0																					
22	Ra* =	15%																					
23																							
24	8. a)																						
25	Rf	5%																					
26	Rm	12%																					
27	Beta	1,4																					
28	Ruti =	14,8%																					
29	8. b)																						
30	Rf*	6%																					
31	Rf**	4%																					
32	RPm =	7%																					
33	Rm* =	13%																					
34	Ruti* =	15,8%																					
35	Rm** =	11%																					
36	Ruti** =	13,8%																					
37	8. c)																						
38	Rm1 =	14%																					
39	Rm2 =	11%																					
40	Ruti1 =	17,6%																					
41	Ruti2 =	13,4%																					
42																							
43	9.																						
44	weight in p	0,066666667																					
45	previous co	0,053333333																					
46	new contri	0,106666667																					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	5.																							
2		NYSE	Stock X																					
3		1	-26,5%	-14,0%																				
4		2	37,2%	23,0%																				
5		3	23,8%	17,5%																				
6		4	-7,2%	2,0%																				
7		5	6,6%	8,1%																				
8		6	20,5%	19,4%																				
9		7	30,6%	18,2%																				
10																								
11	a.																							
12	COV	0,0248																						
13	Var(X)	0,0146																						
14	Beta	1,70																						
15	b.																							
16		NYSE	Stock X																					
17	Average r	12,1%	10,6%																					
18	St.deviation	0,21	0,12																					
19	c.																							
20	Rx	10,6%																						
21	Rm	12,1%																						
22	Beta	1,70																						
23	Rf	14,4%																						
24	d.																							
25																								
26																								
27																								
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[Ch2_Q2-5](#)
[Ch2_Problems](#)
[Ch3_P5](#)
[Ch4_Q2-4](#)
[Ch4_Problems](#)
[+](#)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
16																						
17	7.																					
18	FV	1000																				
19	YTM	8,50%																				
20	RATE	4,3%																				
21	C	10%																				
22	PMT	50																				
23	NPER	16																				
24																						
25	PRICE	\$ 1 085,80																				
26																						
27	8.																					
28	NPER	20																				
29	FV	1000																				
30	PMT	40																				
31	PV	1100																				
32	Call price	1050	in 5 years																			
33	YTM	6,6%																				
34	YTC	6,5%																				
35																						
36	9.																					
37		bond L	bond S																			
38	PMT	100	100																			
39	FV	1000	1000																			
40	NPER	15	1																			
41	YTM 1	5%	5%																			
42	PV 1	\$ 1 518,98	\$ 1 047,62																			
43	YTM 2	8%	8%																			
44	PV 2	\$ 1 171,19	\$ 1 018,52																			
45	YTM 3	12%	12%																			
46	PV 3	\$ 863,78	\$ 982,14																			
47	b.																					
48	The longer term bond has more time till maturity and, thus, higher implied risks. Besides, time value of money has higher effect in the long-term perspective.																					
49																						
50	21.																					
51	FV	1000																				
52	C	10%																				
53	NPER	20																				
54	PMT	50																				
55	a.																					
56	NPER	16																				
57	YTM	6%																				
58	RATE	3%																				
59	Price	\$ 1 251,22																				
60	b.																					
61	NPER	16																				