Hw	3.1
Friday	September 27, 2024 9:54 AM
	Problem 1
	Princepal: 100 mil
	Piscount rate (015): 2,7%.
	Fixed rate: 47. semi annually
	sent and fig
	Floating rate: 7,4% to 3%.
	Floating payments
	Firist payment = 100 m; 1 - 2 44 = 1,2 m; 1
	1 (11) paginent - 100 m; [= 2, 47, - (, 2 m; [
	(0/5) 1 05/ 5 = 5 106 11 34 5 15 11
	Second payment = 100 mil . 3 1/2 = 1,5 mil
	Fixed payments:
	P 45 - 14 4 \ 1 500 \ 1 - 2 11
	Pagnests = . (4 1/.) 100 mil = 2 mil
	Pagnest 10 north = 44. 100 = 2 mil
	Cash flow
	t, = 2 mil - 1, 2 mil = 0, 5 mil
	t _{(c} = 2 a il - 1, 5 m il = 0, 5 m.1
	Discounted cash flen
	$t_{10} = 0.9 e^{-0.027 \cdot 1/3} = 0.793$ $t_{10} = 0.5 c$ $0.5 c$ $0.027 \cdot 1/3 = 0.189$
	Ty = 0,8 t = 0,79 J
	0,027 5/6
	1 (0 = 0, 5 c = 0, 1189

PV	5 0	, 793	3 -	0 _, 4	84		1,2	8 2 n,'/				
								f loa				
Tota	l va	lue	c}	5 w a	~ P	fer	the	fix t	J !	- 1,2	· (mi

 	m 2											
UK 1: VS 1: Period Exchang Steilin	sk free-rate sk free-rate e rate	: 7 %, : 4 %, : (5 m : (55	enth	107, p.	((q11 Um							
Λ≥D		: 308	ail at	6 y. p.	AAN VAN							
Pagnes												
t _l gene	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 = 1 = 1	= 2 mil	1								
PV _{usD}	= 1,8,1	0,04)114	+ 31.8	1 + 6,04) 5/	= -	32,	061					
PUGAP	= 2.1	7,07)1/4	22.	1,07)5/4	=	2 2 ,	18	۲				
	valve,											
PV	Rec cips -	- P, p.	a m in TS	= 3 (,061	- (2	1,59	82	1,55) =	~ 2	. 3 2
0 1			~									
Party	paging v	иD: Σ,	321 41	1								
Party	paging (/SD: 2,	32 hi									
Party	paging (/3D: Z,	32 m:									
Party	paging (/SD: 2,	32 hi									
Party	paging (/SD: 2,	32 hi									
Party	paging (/3D: Z,	32 mi									
Party	paging (/3D: Z,	32 Mi									
Party	paging (/3D: Z,	32 hi									
Party	paging (/SD: Z,	32 hi									
Party	paging (/SD: Z,	32 Mi									
Party	paging (/3D: Z,	32 Mi									

Problem 3

Princepal: [Omil]

fixed rate: 47. per manor every 6 months

Posico : 5 years

Formal rate 11: 24. per annua

Liberzie : 3 x. pre annua

Default ols: 1, fy, per annua

Lost cash flow,

year 3 : (0,04.104,1.05) - (0,03.10.05) = 50000

year 3,5 : 200,000 - 0,07.10.6,5 = 100 000

y 200 4 : 100,000

que 1.7: 100,000

yror 5: 100,000

PV = 50,000 + 100,000 (e + e 0.018,1 -0.018,1.5 -0.018,1) = \$441,170

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