

	A	B	C	D	E	F	G	H
1	Date	Cash Flow		time (years)	PV (TIME)	PV (Periods)		PVxT (time)
2	11/1/2007	-100		0.00				
3	5/1/2008	5		0.50	4.7627	4.762699948		2.373200248
4	11/1/2008	5		1.00	4.534239	4.534238775		4.543549326
5	5/1/2009	5		1.50	4.320198	4.320197787		6.469947131
6	11/1/2009	5		2.00	4.112963	4.112962927		8.231556193
7	5/1/2010	5		2.50	3.918808	3.918808475		9.784950934
8	11/1/2010	5		3.00	3.730828	3.730827793		11.19503699
9	5/1/2011	5		3.50	3.554712	3.554712218		12.42811089
10	11/1/2011	5		4.00	3.384197	3.38419681		13.53678724
11	5/1/2012	5		4.50	3.223583	3.223582795		14.50060652
12	11/1/2012	5		5.00	3.068951	3.068951279		15.35105815
13	5/1/2013	5		5.50	2.92408	2.924079914		16.07543454
14	11/1/2013	5		6.00	2.783815	2.783815203		16.70670206
15	5/1/2014	5		6.50	2.652404	2.652403828		17.23245526
16	11/1/2014	5		7.00	2.525171	2.525171103		17.67792611
17	5/1/2015	5		7.50	2.405969	2.40596915		18.03571125
18	11/1/2015	5		8.00	2.290558	2.29055761		18.32446088
19	5/1/2016	5		8.50	2.181848	2.181847722		18.54197216
20	11/1/2016	5		9.00	2.077187	2.077187026		18.69894851
21	5/1/2017	5		9.50	1.979132	1.979132384		18.7970164
22	11/1/2017	105		10.00	39.56811	39.56810983		395.7352641
23					99.99945	99.99945258		
24		0.102425			0.1025	0.05		654.2406949
25								
26							MacDur	6.542442764
27								
28							ModDur(1)	5.934188448
29							ModDur(2)	6.223488955
30								
31					PV(time)*	PV(period)*		
32					4.762485	4.76247394		
33					4.533827	4.533806087		
34					4.319611	4.31958166		
35					4.112216	4.112179063		
36					3.917921	3.917876707		
37					3.729813	3.729761776		
38					3.553585	3.553528814		
39					3.382969	3.382907869		
40					3.222268	3.222202113		
41					3.067559	3.067489657		
42					2.922622	2.922549357		
43					2.7823	2.782224581		
44					2.650841	2.650763188		
45					2.523568	2.523488092		
46					2.404334	2.404252117		
47					2.288896	2.288813129		
48					2.180167	2.180082577		
49					2.075492	2.075406979		
50					1.977428	1.977343043		

	I
1	PVxT (periods)
2	
3	4.746400496
4	9.087098653
5	12.93989426
6	16.46311239
7	19.56990187
8	22.39007398
9	24.85622178
10	27.07357448
11	29.00121304
12	30.70211629
13	32.15086909
14	33.41340411
15	34.46491052
16	35.35585221
17	36.07142249
18	36.64892176
19	37.08394431
20	37.39789701
21	37.59403279
22	791.4705282
23	
24	1308.48139
25	
26	6.542442764
27	
28	5.94767524
29	6.23089787
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52	PVBP (period)
53	0.062282228
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55	EffModDur (period)
56	0.062282569