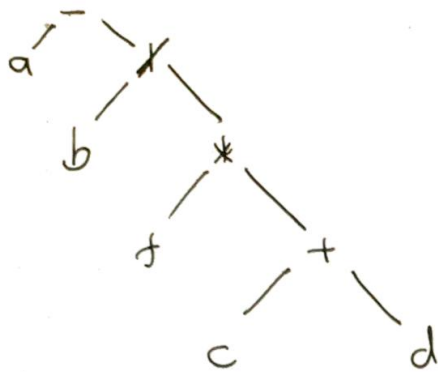


1a)

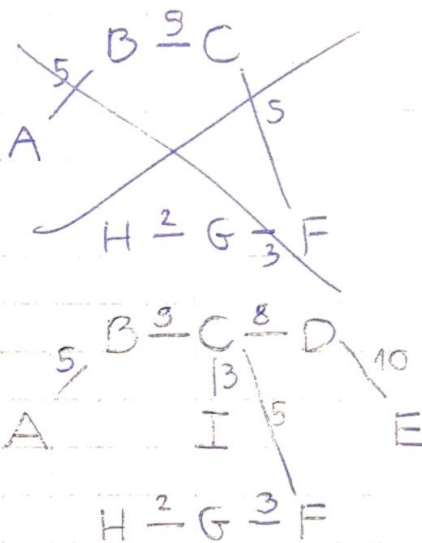


b)

$$[(140/5) * 3] + (8-7) \\ = (8+3) + 1 \\ = 25$$

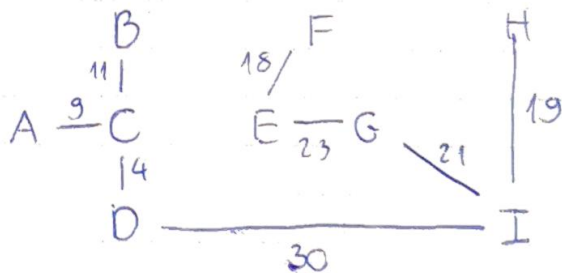
2.

	A	B	C	D	E	F	G	H	I	W	P
A		5						9		0	-
B	5		9					12		5	A
C		8		8		5			3	9	B
D			8		10	15				4	C
E				10		11				10	D
F		5	15	11			3			5	C
G						3		2	7	3	F
H	9	12				2			8	2	G
I			3				7	8		3	C

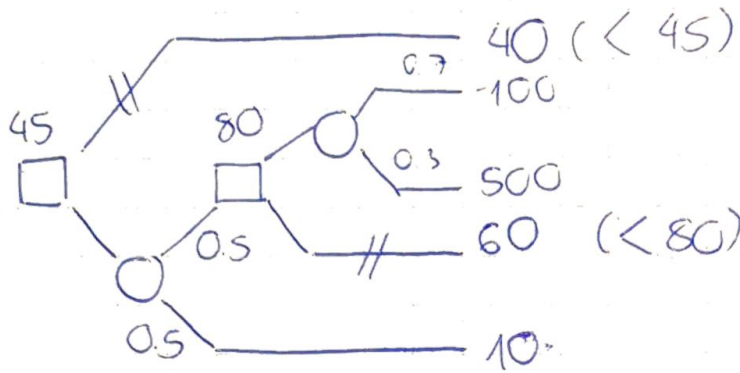


3.

	A	B	C	D	E	F	G	H	I	W	P
A		22	9	12						0	-
B	22		14				36	34		11	C
C	9	14		4	65	42				9	A
D	12		4		33				30	4	C
E			65	33		18	23			23	G
F		36	42		18		39	24		18	E
G					23	39		25	21	21	I
H		34				24	25		19	19	H
I				30			21	19		30	D



4.



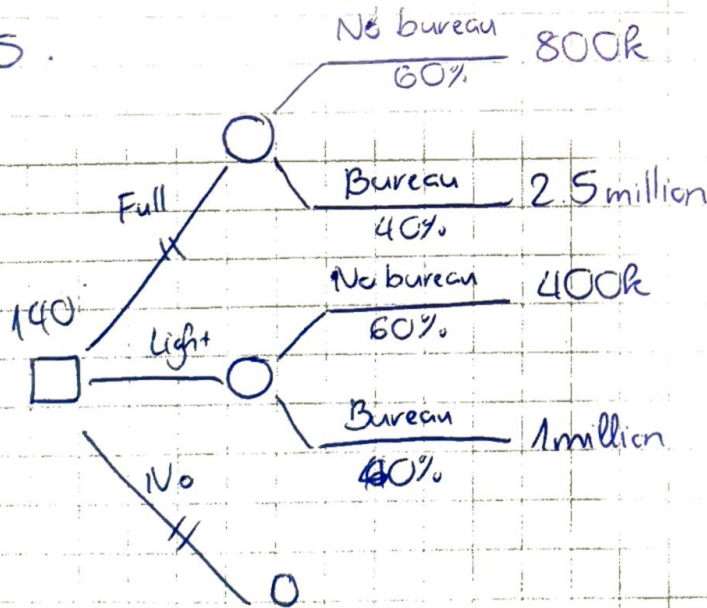
$$EXP(ETF) = 40$$

$$EXP(App, RP) = -100 \times 0.7 + 500 \times 0.3 = 80$$

$$EXP(App) = 0.5 \times 80 + 0.5 \times 10 = 45$$

$\Rightarrow$  Best plan is to invest in the app

5.



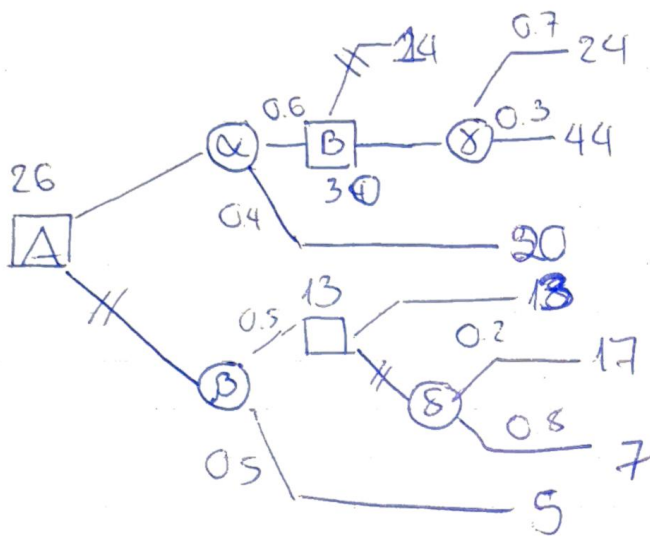
$$EXP(Full) = 1.480m - 1.400m = 80k$$

$$EXP(Light) = 400k \times 60\% + 1m \times 40\% - 500k = 140k$$

$$EXP(No) = 0$$

$\Rightarrow$  Best option is to do light renovation

6.



$$EXP(\gamma) = 30$$

$$EXP(\alpha) = 26$$

$$EXP(\delta) = 9$$

$$EXP(\beta) = 9$$

$\Rightarrow \alpha + \gamma$  is the best option