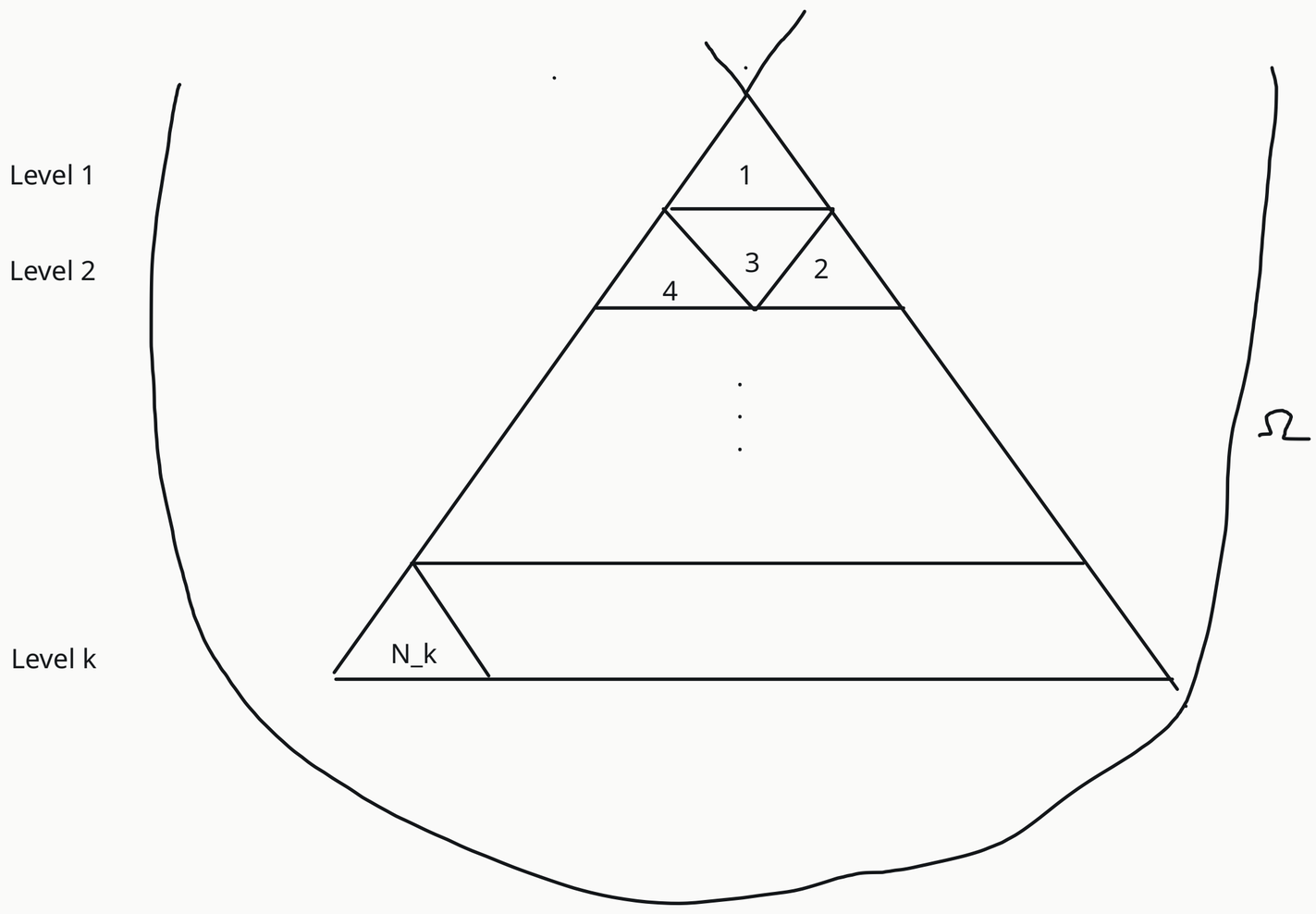
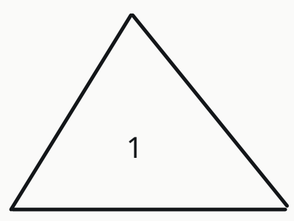


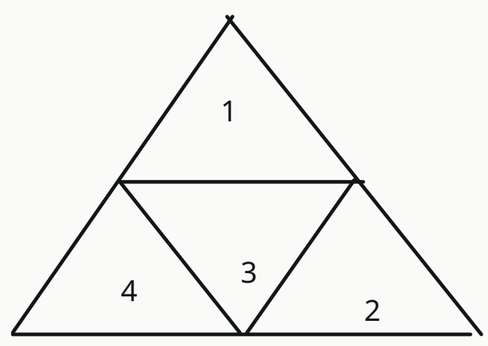
Lemma: Nk=k^2



A1=(0)

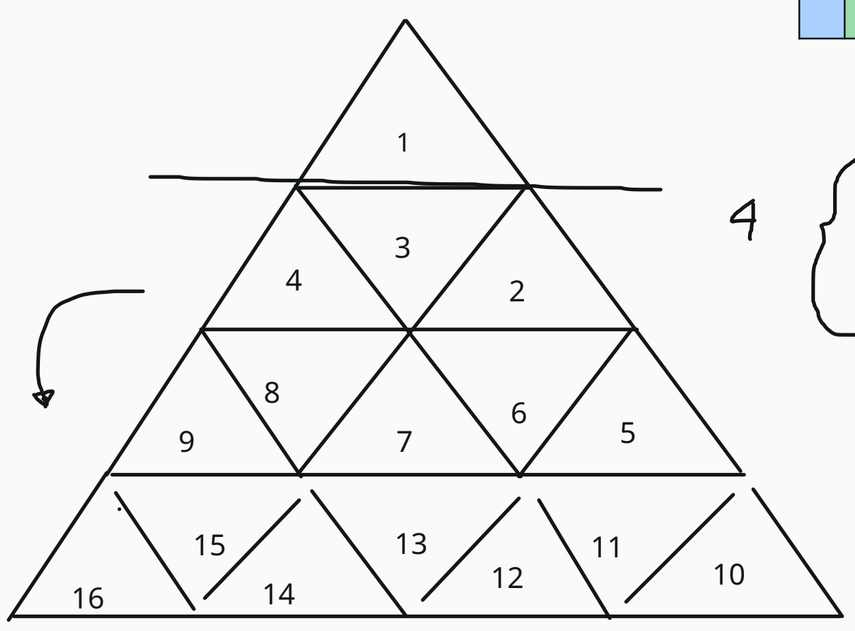
Add text

Add text



A2

0	0	1	0
0	0	1	0
1	1	0	1
0	0	1	0

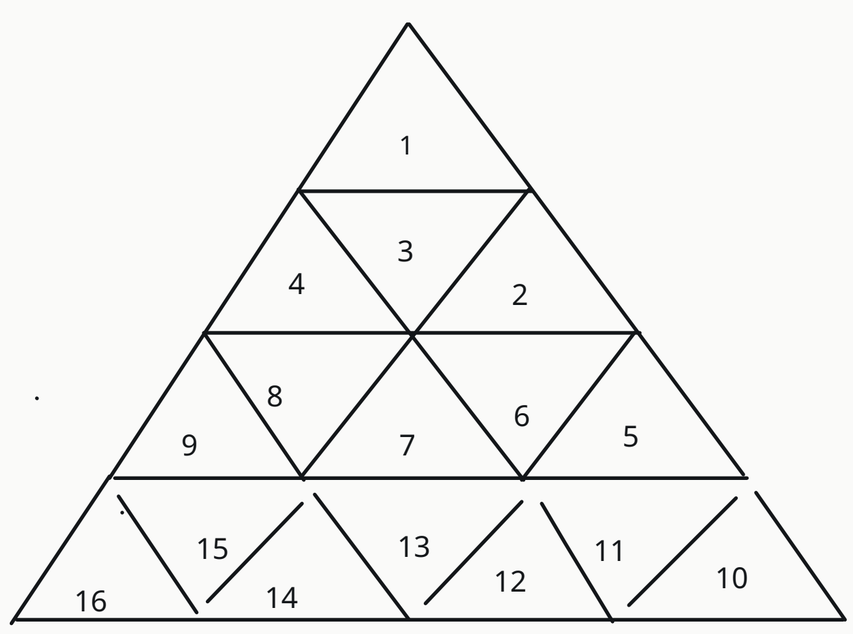


4 5

				5	6	7	8	9	
0	0	1	0	0	0	0	0	0	1
0	0	1	0	0	1	0	0	0	2
1	1	0	1	0	0	0	0	0	3
0	0	1	0	0	0	0	1	0	4
0	0	0	0	0	1	0	0	0	
0	1	0	0	1	0	1	0	0	
0	0	0	0	0	1	0	1	0	
0	0	0	1	0	0	1	0	1	
0	0	0	0	0	0	0	1	0	

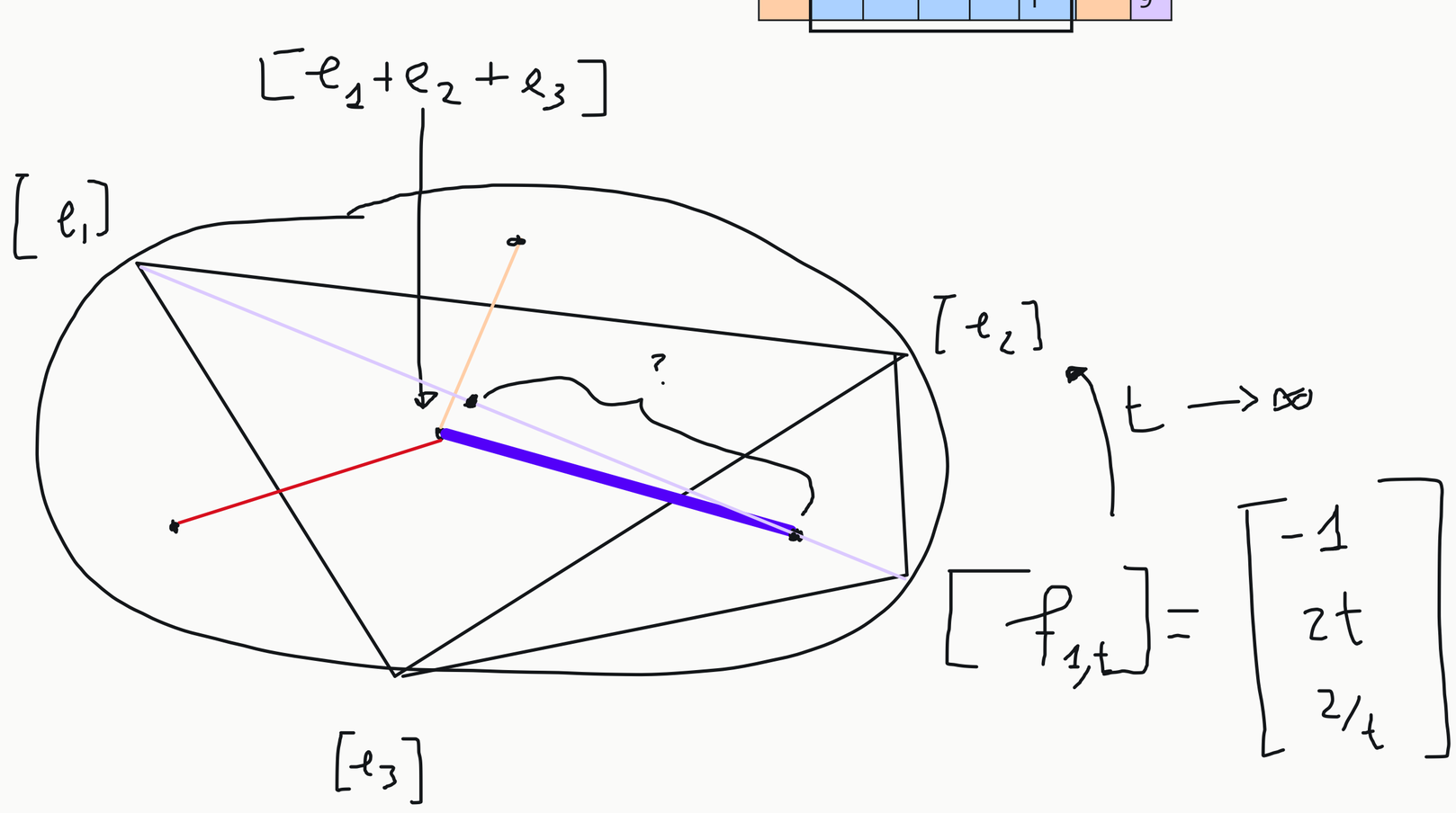
4 5

A_k	B_k
B_k^t	C_k



5

10	11	12	13	14	15	16	
							1
							2
							3
							4
	1						5
							6
			1				7
							8
					1		9

k=4

Miss the first N_(k-2)=(k-2)^2 rows