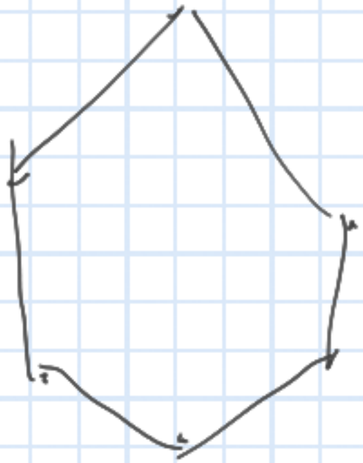
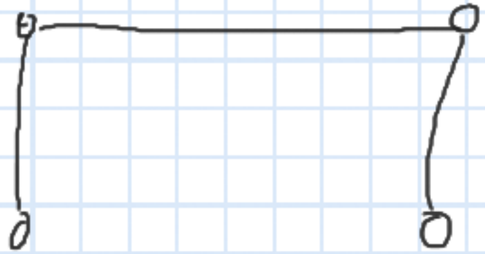
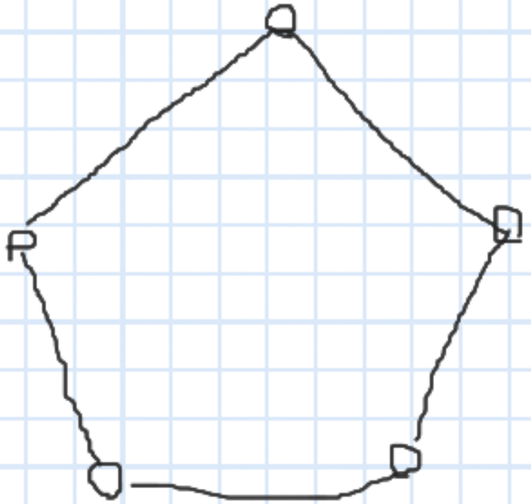
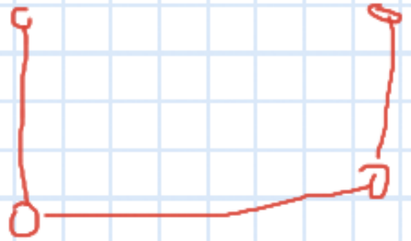
(2,2,2,2,2,2)

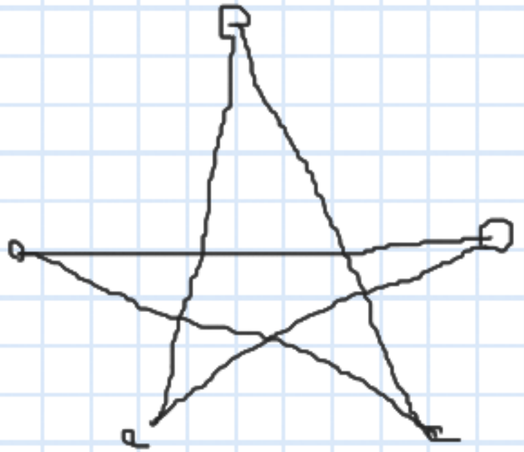
(2,2,2,2,2,2)

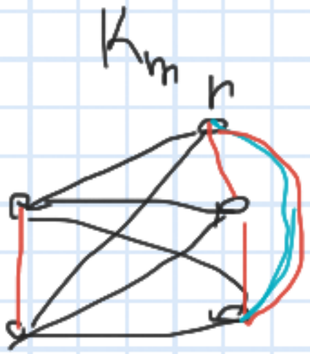






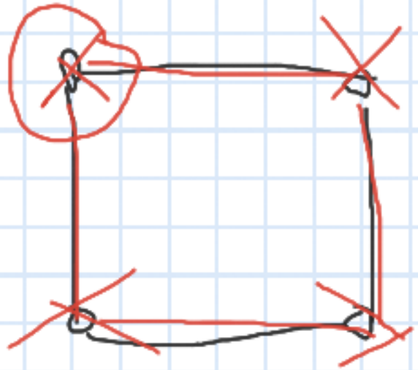




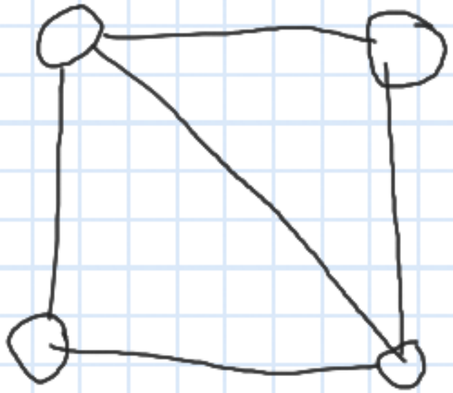


$K_m \cup K_n$

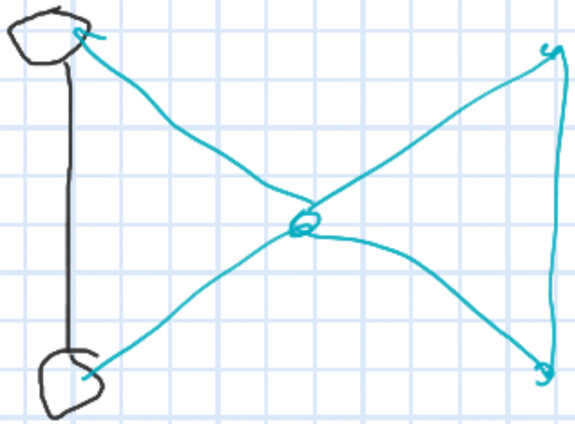
a)



b)

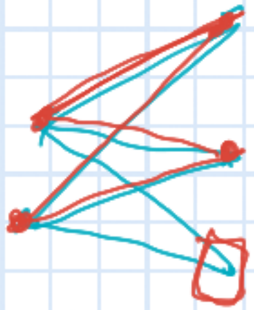


c)

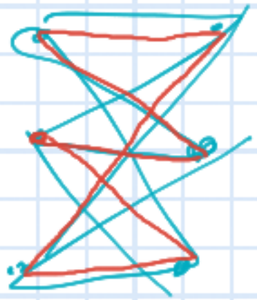


c)

$K_{m,n}$

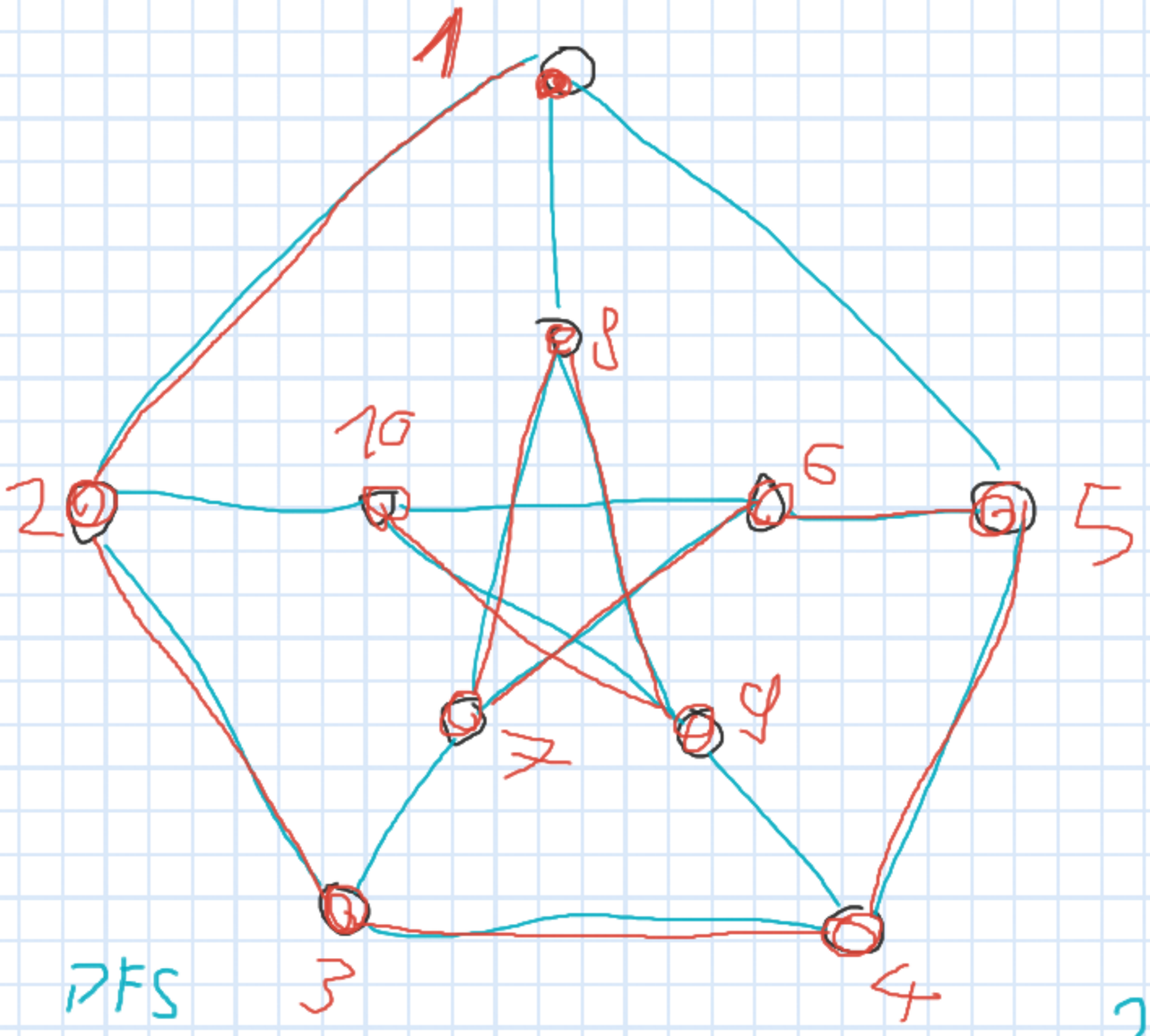


$K_{2,3}$



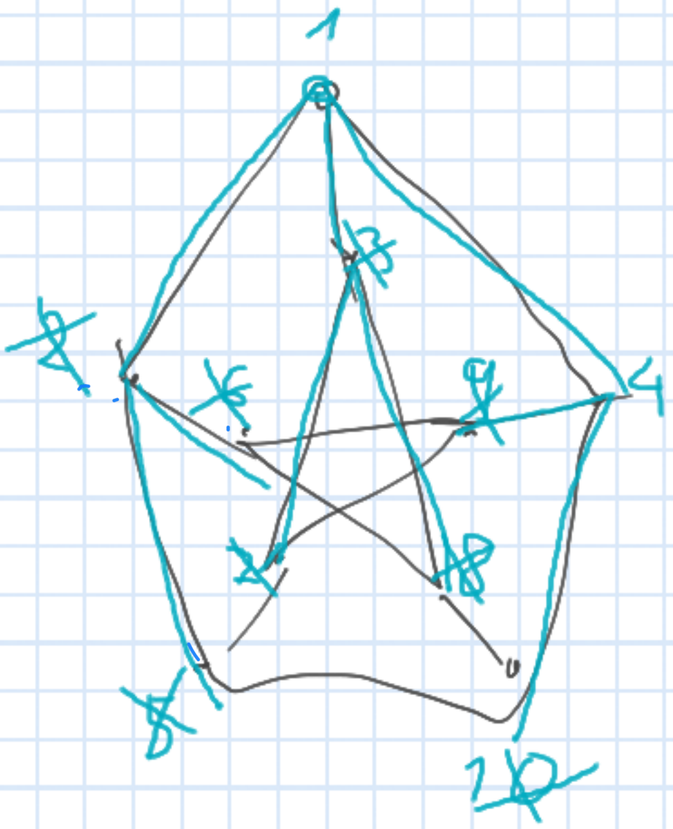
m,n - even $\Leftrightarrow$ $K_{m,n}$ - Eulerian

$m \cdot n > 1$ $\Leftrightarrow$ $K_{m,n}$ - Hamiltonian



DFS

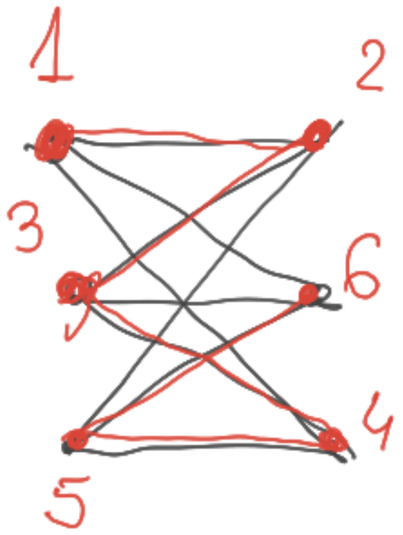
2 3 4 5 6 7 8

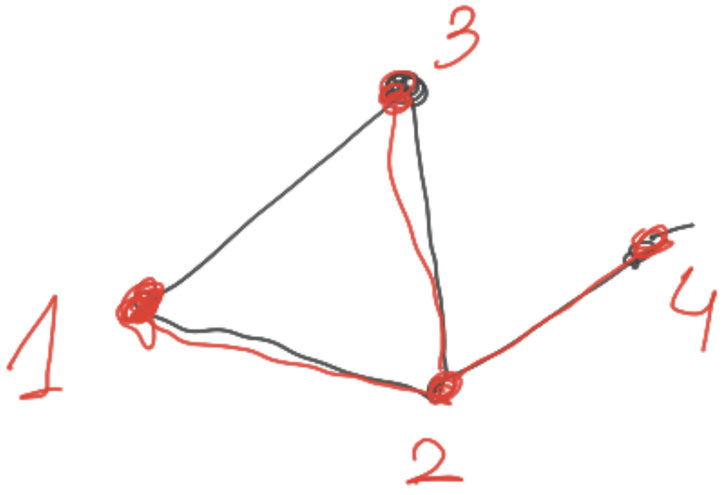


BFS

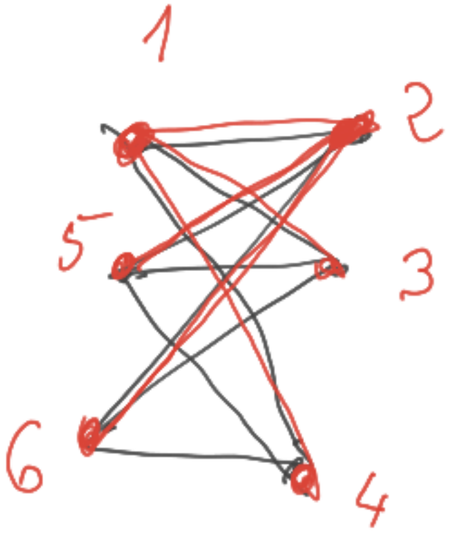
2 2 1 3 3 1 4 4

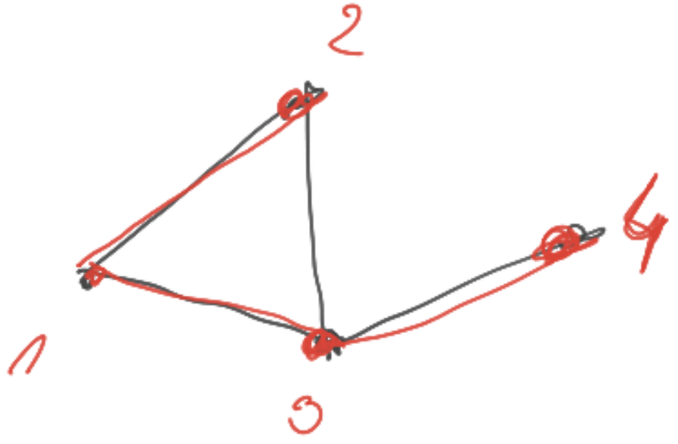
DFS





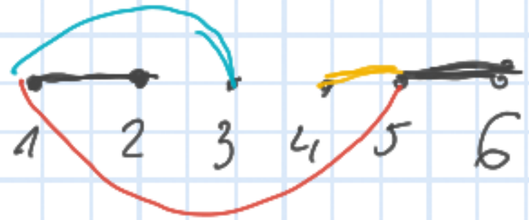
BFS





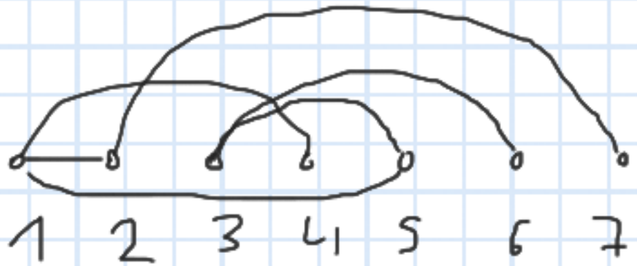
P=

L=

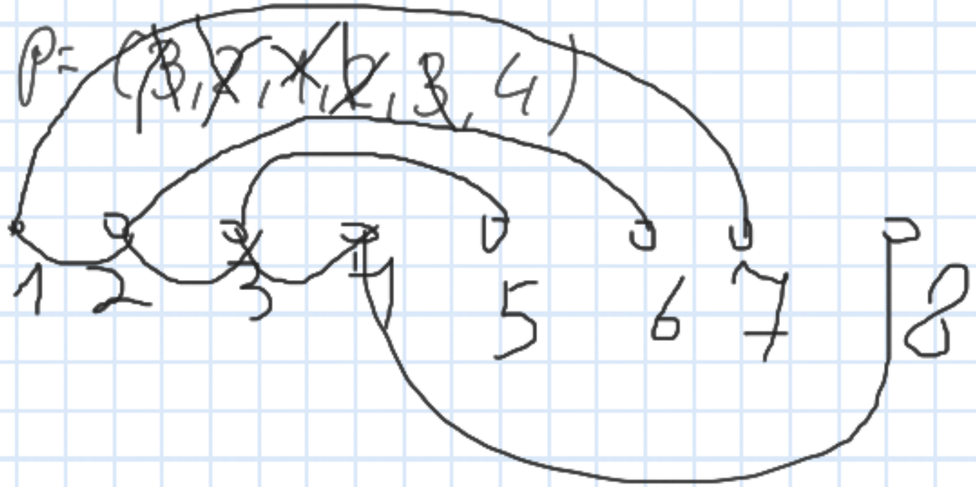


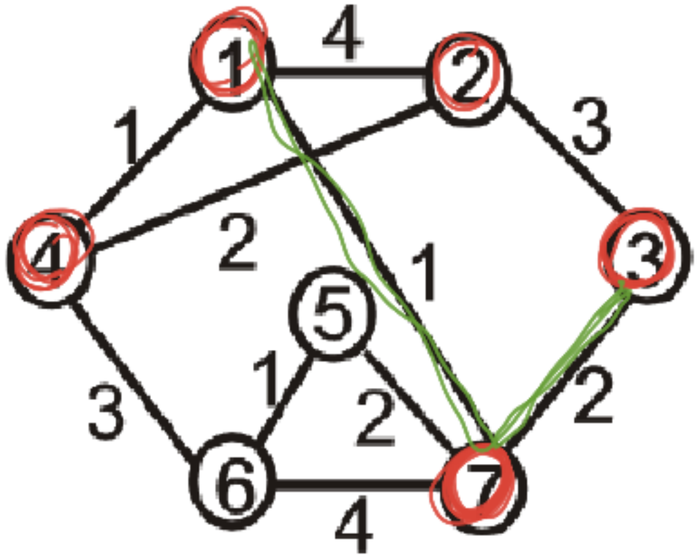
b) P=

L=



c) P=



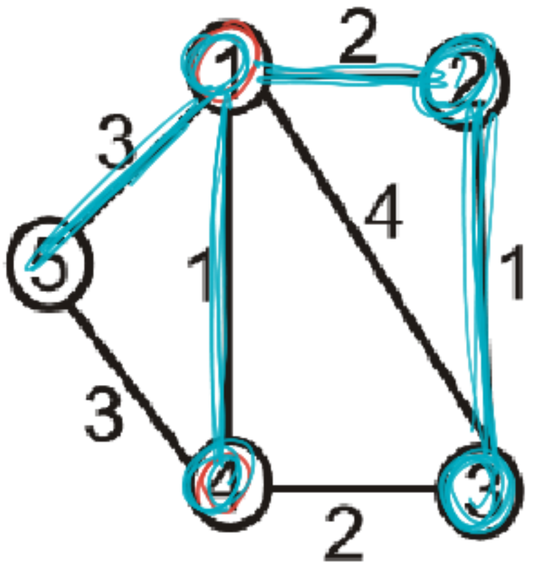


L(v)	1	2	3	4	5	6	7	S
	0	∞	∞	∞	∞	∞	∞	1
1		4	∞	1	∞	∞	1	4
2.	x		∞		∞	4	1	7
3.	x	3		x		4	1	2
4	x	3	3	x	3	4	x	2
5.	x	x	3	x	3	4	x	3
6.	x	x	x	x	3	4	x	5
7.	x	x	x	x	x	4	x	6

1-3

3-7-1

p(v)	1	2	3	4	5	6	7
1.	0	0	0	0	0	0	0
	x	1	0	1	0	0	1
	x	4	0	x	0	4	1
	x	4	7	x	7	4	x
	x	4	7	x	7	4	x
	x	x	x	x	x	4	x



l	1	2	3	4	5	S
1	0	∞	∞	∞	∞	1
2.	x	2	4	1	3	4
3.	x	2	3	x	3	2
4.	x	x	3	x	3	3
5.	x	x	x	x	3	5

P	1	2	3	4	5
	0	0	0	0	0
	x	1	1	1	1
	x	1	4	x	1
	x	x	4	x	1
	x	x	x	x	1

w	1	2	3	4	5	S
1	0	∞	∞	∞	∞	1
2.	x	2	4	1	3	4
3	x	2	2	x	3	2
4	x	x	1	x	3	3
5	x	x	x	x	3	5

P	1	2	3	4	5
	0	∞	∞	∞	0
	x	1	1	1	1
	x	1	4	x	1
	x	x	2	x	1