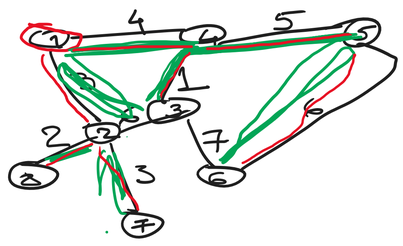


	1	2	3	4	5	6	7	8
1	0	3	9	4				
2	3	0	6	7			3	2
3		6	0	1		7		
4	4		1	0	5			
5				5	0	6		
6			7		6	0		
7		3					0	
8		2						0

Сложеност

Флојд-Варшал $O(n^3)$
(Floyd-Warshall)

Дајкстра $O((n+m)\log m)$
(Dijkstra)

$d[1][2]+d[2][3]<d[1][3]$?

$d[2][1]+d[1][4]<d[2][4]$?

d	0	3	9	4	∞	∞	6	5
	1	2	3	4	5	6	7	8

mark	T	T	⊥	⊥	⊥	⊥	⊥	⊥
	1	2	3	4	5	6	7	8

PQ [ ] (4,4) (5,8) (6,7) (9,3)

$d[1]+g[1][2]<d[2]$

$d[2]+g[2][3]<d[3]$

Краскал
(Kruskal)

теина

(1,3,4)

(2,2,8)

(3,2,7)

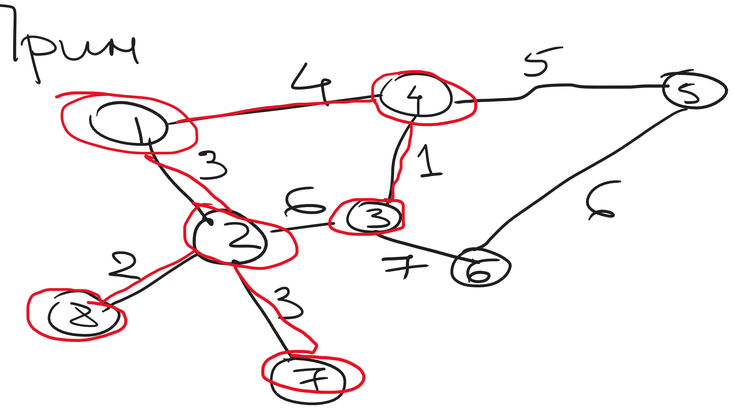
(3,2,11)

$O(m\log m+m\log n)=O(m\log m)$

$m<n^2$

$O(\log n)=O(\log m)$

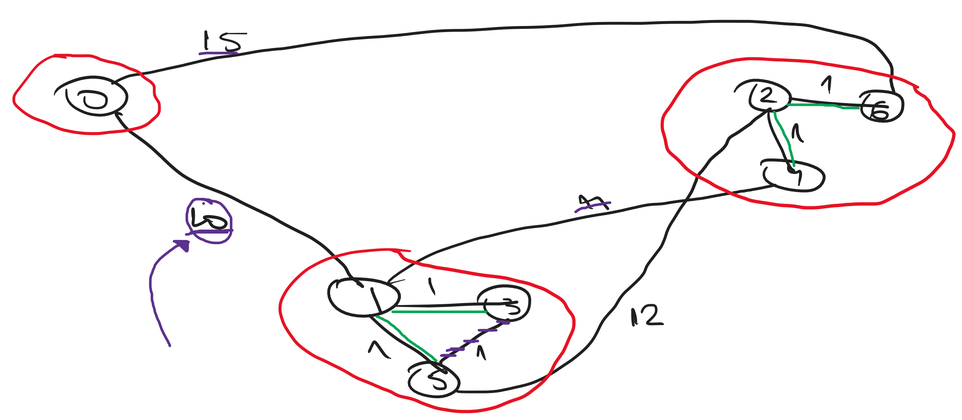
Прим

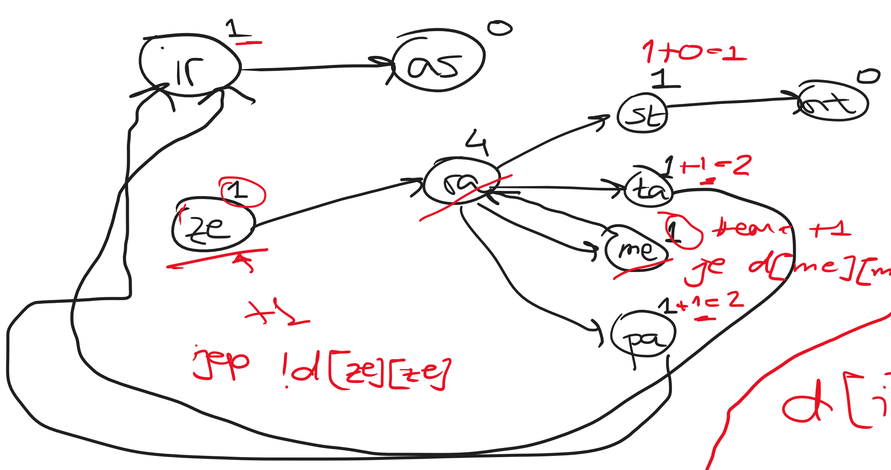


PQ [ ] (5,4,5) (6,2,3) (7,3,6)

mark	T	T	T	T	F	F	T	T
	1	2	3	4	5	6	7	8

$O(m\log m)$





$d[i][k]+d[k][j]<d[i][j]$

if(d[i][k]&&d[k][j])
d[i][j]=true

конструкција графа

рачун на крају

$O(n+(26^2)^3+(26^2)^2)$

Флојд-Варшал