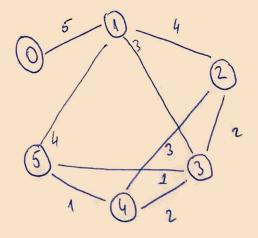
Minimum spanning tree - Prims algorithm



O	1		5
1	2		4
1	3		
1	5		3
	9	1	4
2 2	3		2
2	3 4 4		3
3	4		2
	5		1
4	5		1

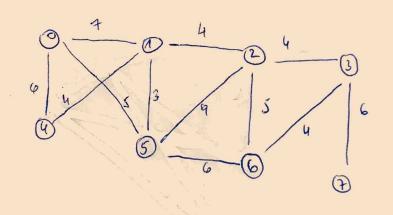
- Minimum spanning tree with starting vertex

=> total cost = 12

- Minimum spanning tree with starting vertex = [5]

(9)

=) total cost = 12



0	1	17
Ø	4	6
0 0 1	7	7 6 5
1	2	4
(4	4
4	5 3 5 6	3
2	3	4
2	5	9
2	6	5
3	6	3 4 9 5 4
2 2 2 3 3	7	6
5	7	6

-			5	6 6
ITERATIONS	SELECTED ED GE	VISITED	EDGES	
initialization				HST
1	(5,0)-5	0	4 3 CEMPTY	0
		0,5	4 (50)3	5
2	(1,5)-3	0,5,1	4(5,0), (1,5)4	
3	(2,1)-4			
Ų	(3,2)-4	0,5,1,2,	4(5,0)(1,5)(2,1)4	4/4
5		0,5,1,2,3	4(5,0) (1,5)	2 9
	(411) - 4	0,5,1;2,3,4	(2,1) $(3,2)$ $(3,2$	4
6	(6,3) - 4	0,5,1,2,3,4,6	(0,4) (41)	3
7	(7,3) - 6		((3,2),(4,1),(62)	4/\6
		0,5,1,2,3,4,6,7		() () () ()
I comment of the second		ALL VERTICES	1 1611 (2-1	7
				us = 30

