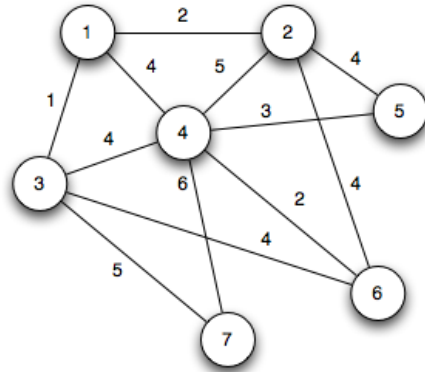
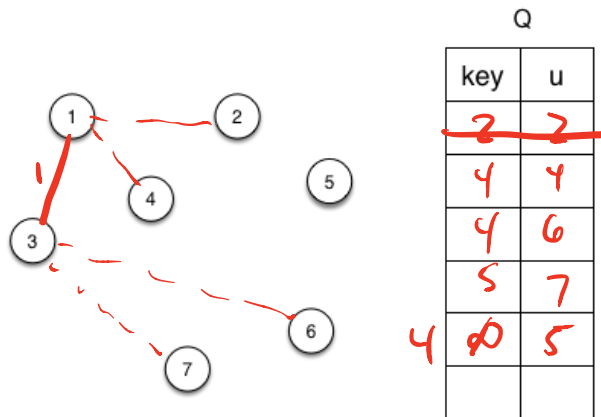
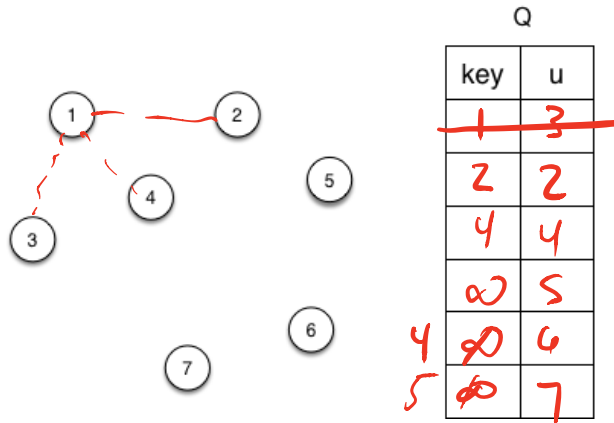


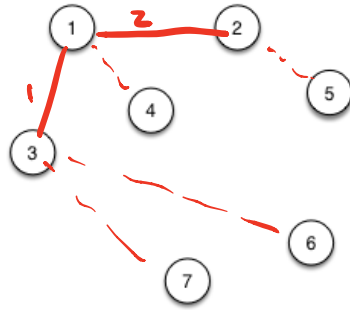
Prim's algorithm - with starting vertex 1 and ordering edge pairs with the lower vertex first. Show the queue and tree at each step along with the edge that is added.



Q

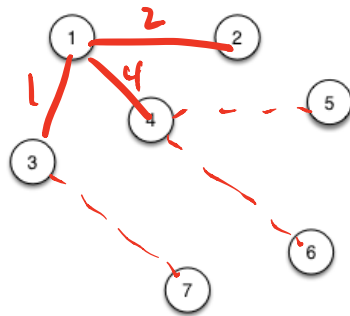
0	1
2	2
1	3
4	4
$\infty$	5
$\infty$	6
$\infty$	7





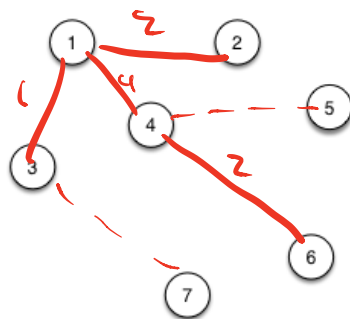
Q

key	u
<del>4</del>	<del>4</del>
2 4	6
3 4	5
5	7



Q

key	u
<del>2</del>	<del>6</del>
3	5
5	7



Q

key	u
<del>3</del>	<del>5</del>
5	7

