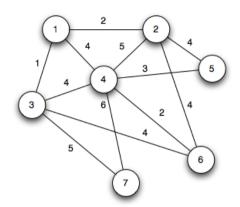
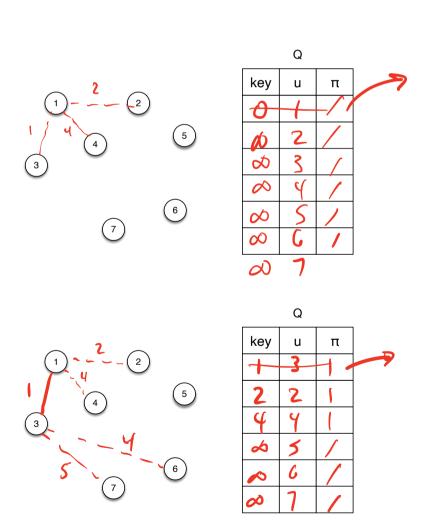
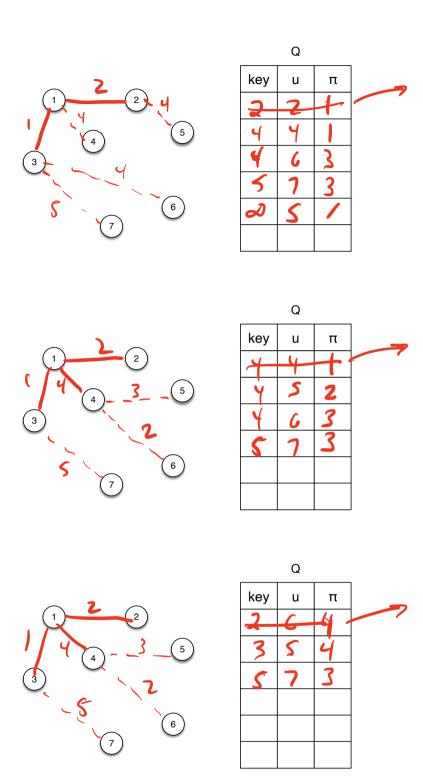
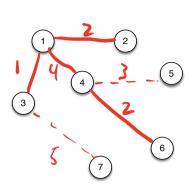
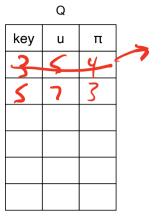
Prim's algorithm - with starting vertex 1 and ordering edge pairs with the lower vertex first. Show the queue and tree at each step along with the edge that is added.

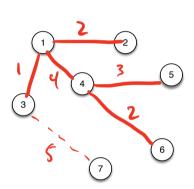


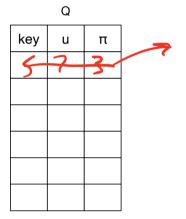


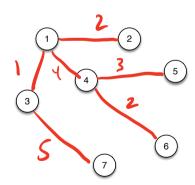












key	u	π

Q

$$w(\tau) = 1 + 2 + 4 + 2 + 3 + 5$$
= 17