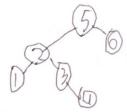
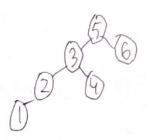
Step 1: insert 3 Step 2= insent 6 Step 3: insert 5 Step 30: right - left rotation on 3 Step 3aa: right rotation on 6 Step 3 ab: left rotation on 3 Step uz insert 1 Step 5: insert 2 Step sai left-right on 3 Ster soas left on 1 Step sab: right on 2

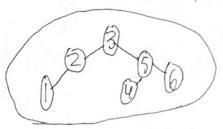
Step 6: inforf 4



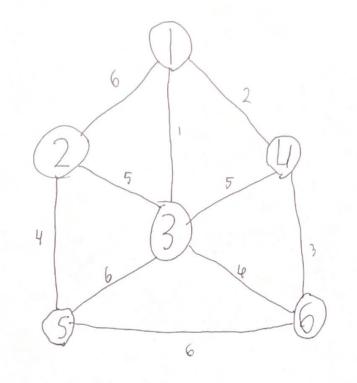
Step 6a; left-right on 5 Step 6aa; left on 2



Step 6 a b = WANDAMM right on 5



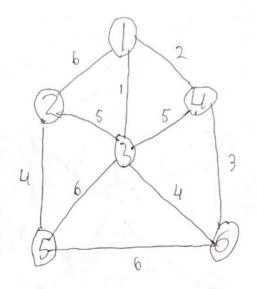
Making 4 5's left child since new root already had a right Child



Storting w/ 1, we will go to 3 since the from 1 to 3 is & the smakest edge gory to 1. From there me'll go from 1 to 4 since the edge between those 2 is the smallest available note going to 1 or 3 Cexcluding 1 to 3). Next I'll choose 4 to 6 single that's the next smallest edge going to the available nodes Creight 0f 3). Then I'll go to 2 from 3, which then 2 to 5.

(1,3) (1,4) (4,6) (3,2) (2,5)

Kruskai's a lgorithm



The next smallest edge is (1,4), then (4,6), so we'll add those.

Initially, you add (3,6), but this actually forms a cycle between U, and 6, so we vil ignore this edge. Next we'll add (5,2) since this has the next smallest weight, when then finally (3,2).

(1,3) (14) (4,6) (5,2) (2,3)