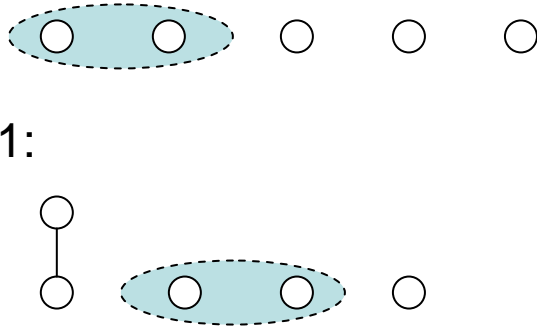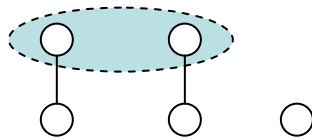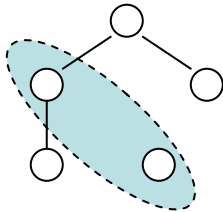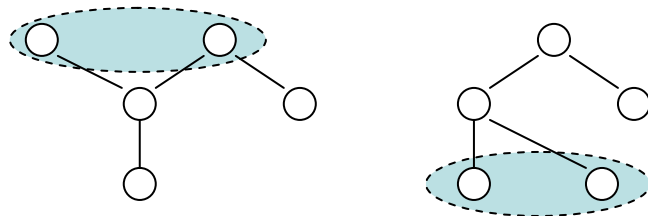# Sorting 5 keys in 7 comparisons
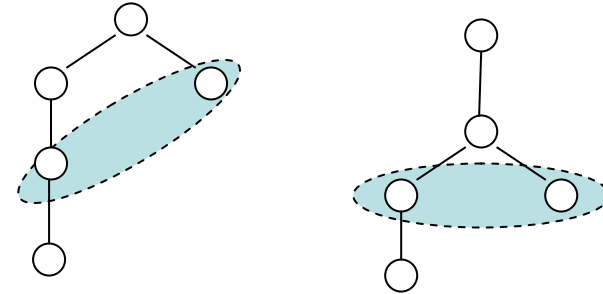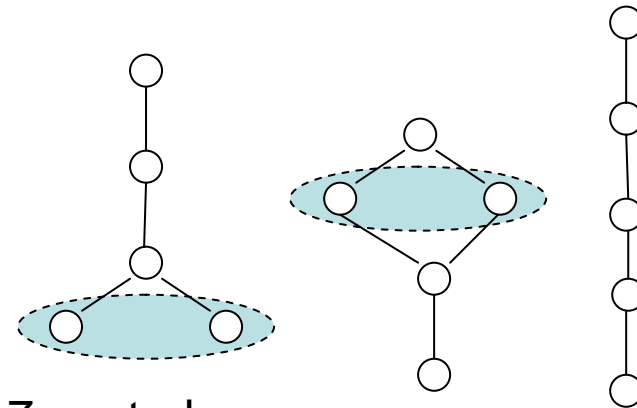

Step 1:

Step 2:

Step 3:
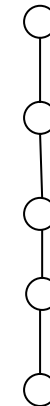
Step 4: there are 2 possible cases

Step 5: there are 2 possible cases
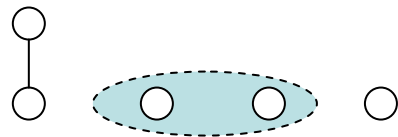
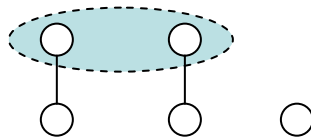Step 6: there are 3 possible cases

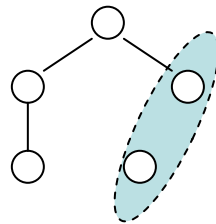Step 7: sorted

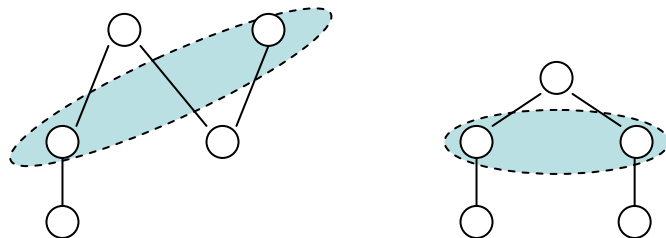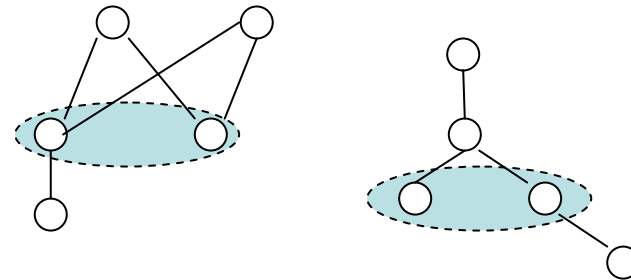# Finding 5 keys' median in 6 comparisons

Step 1:

Step 2:

Step 3:

Step 4: there are 2 possible cases

Step 5: there are 2 possible cases

Step 6: there are 4 possible cases, done