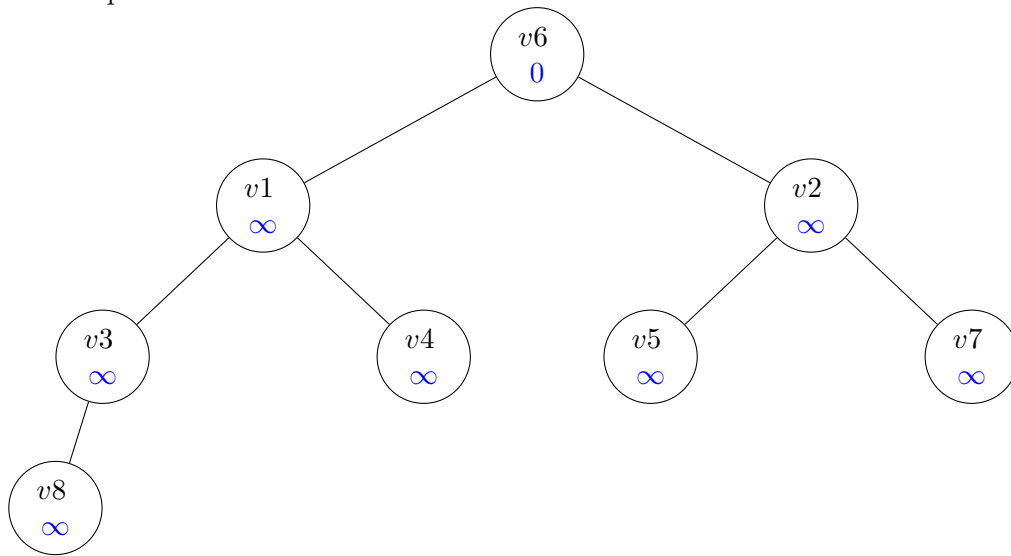
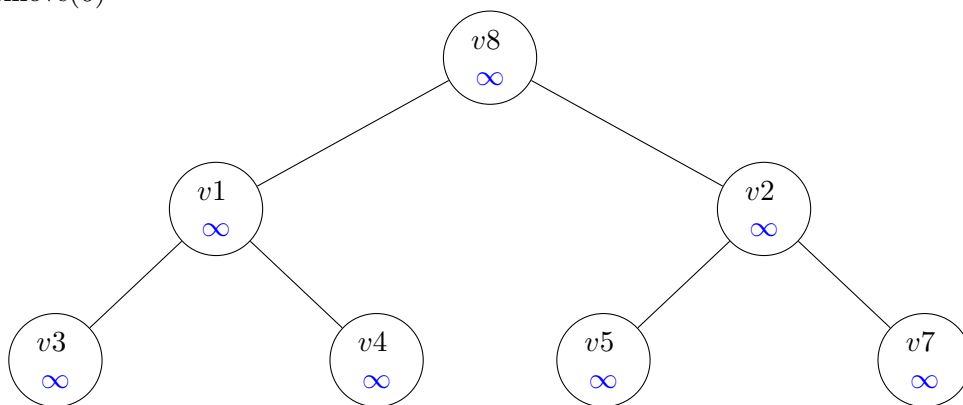


# 1 Binary heap

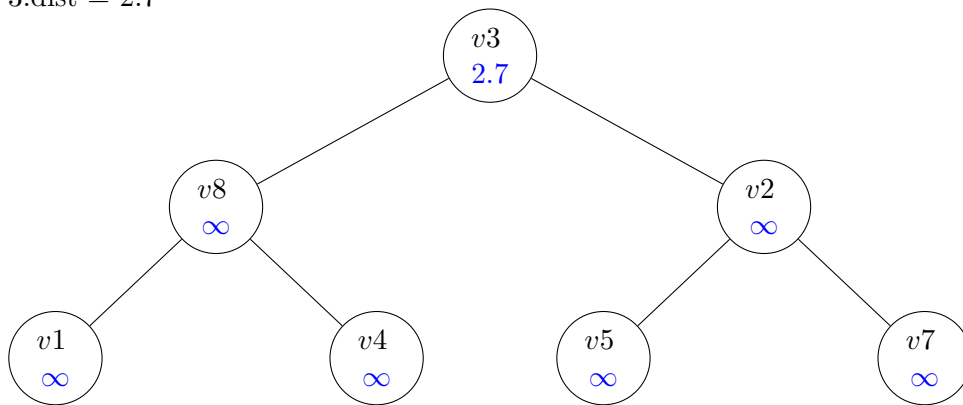
initial heap



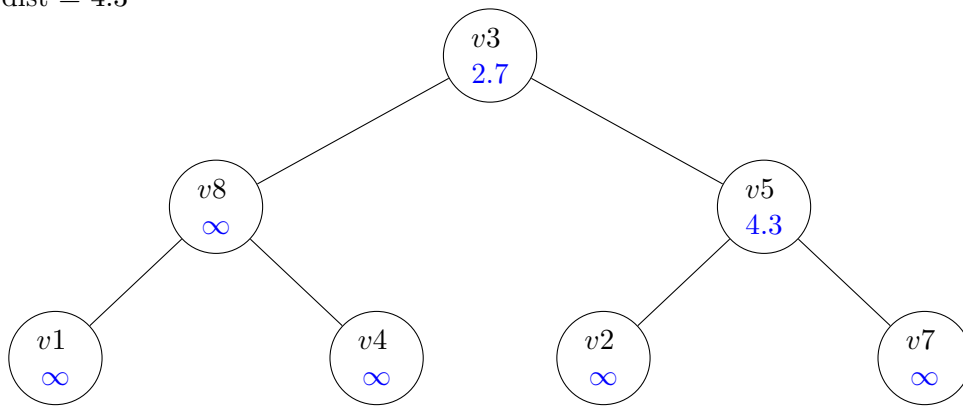
remove(6)



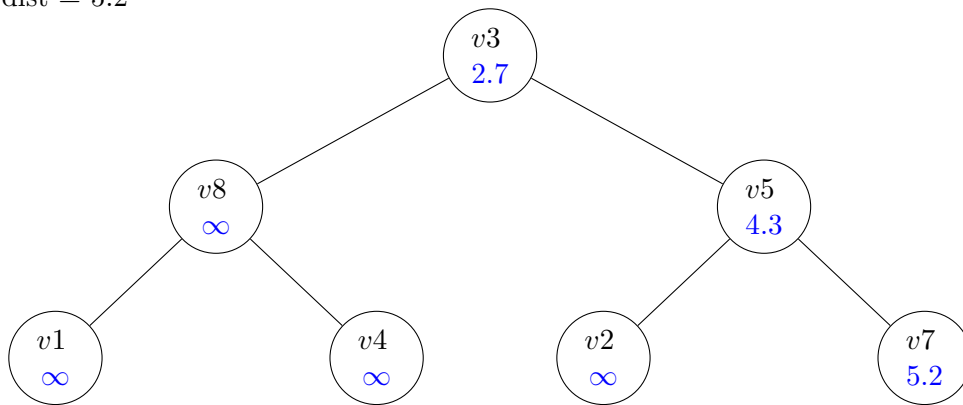
3.dist = 2.7



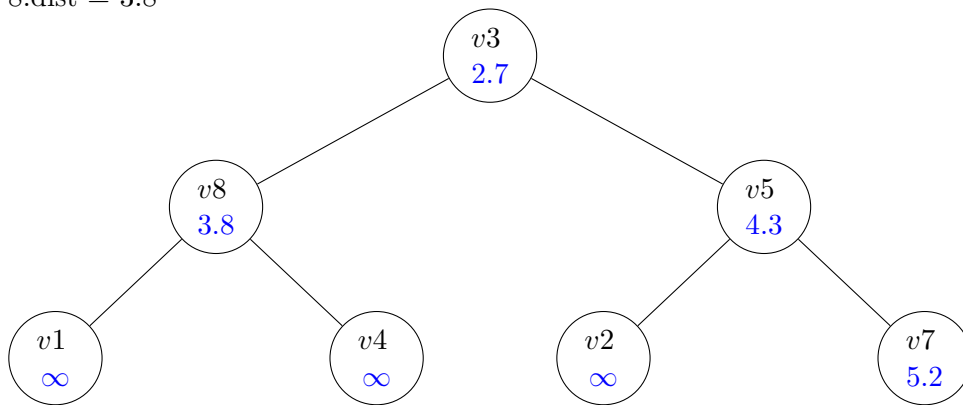
5.dist = 4.3



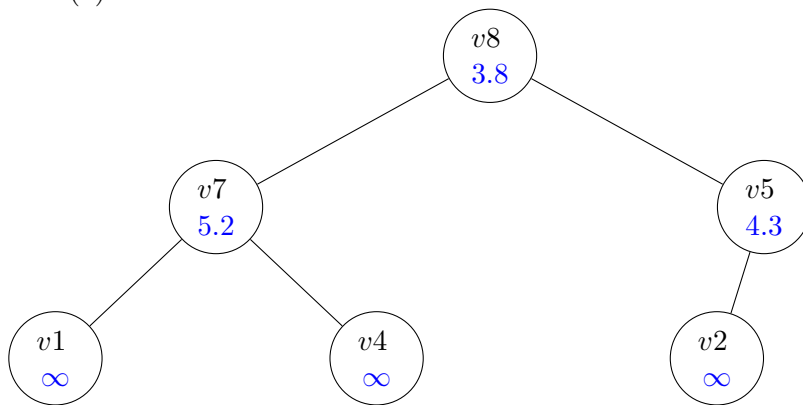
7.dist = 5.2



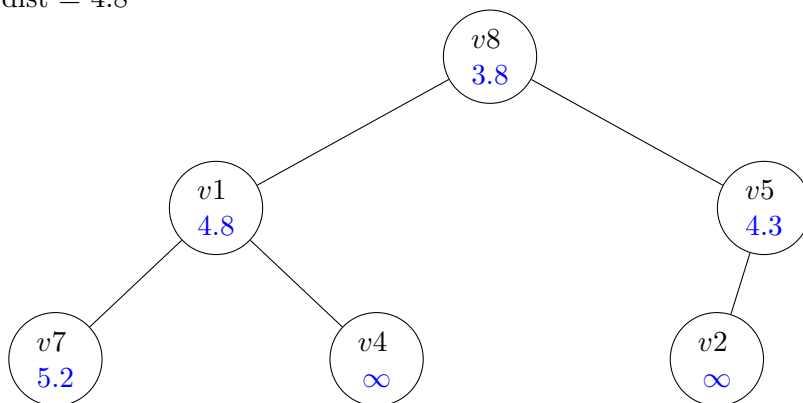
8.dist = 3.8



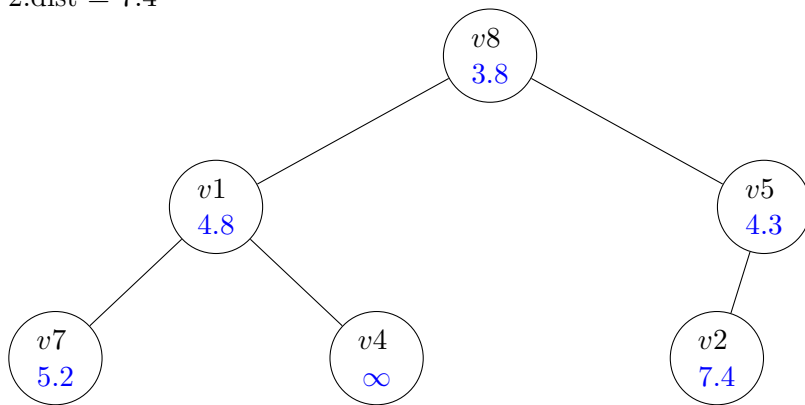
remove(3)



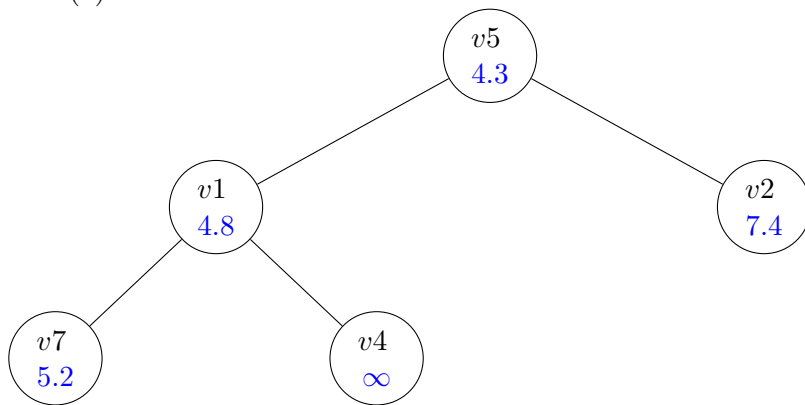
1.dist = 4.8



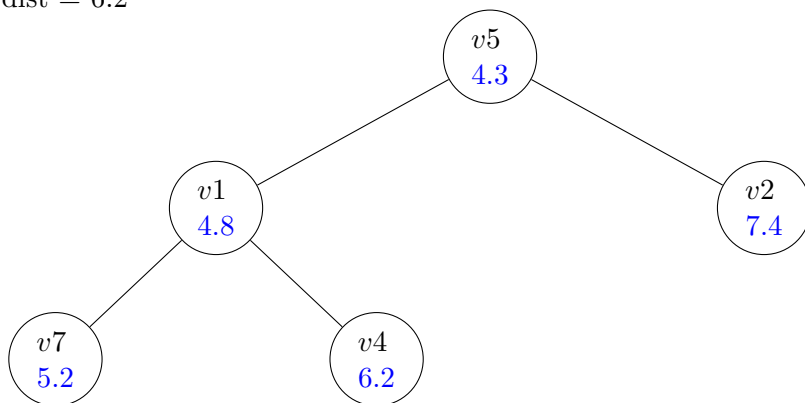
2.dist = 7.4



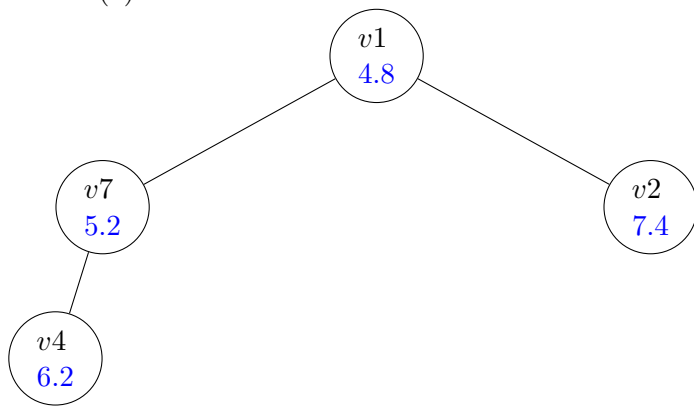
remove(8)



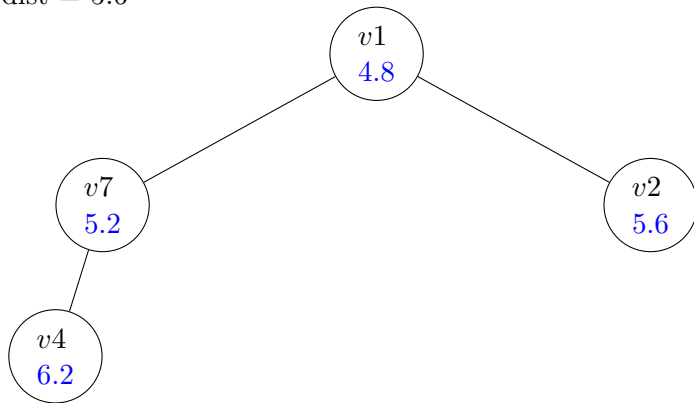
4.dist = 6.2



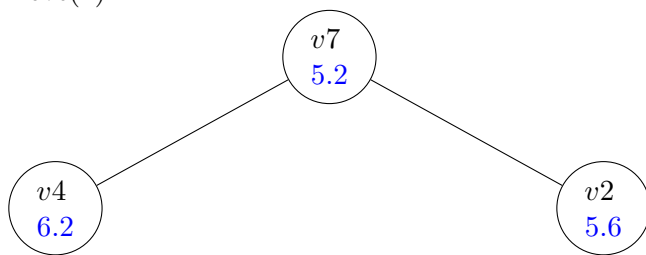
remove(5)



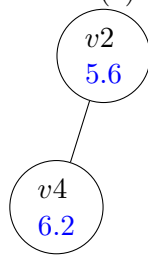
2.dist = 5.6



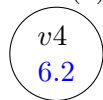
remove(1)



remove(7)



remove(2)

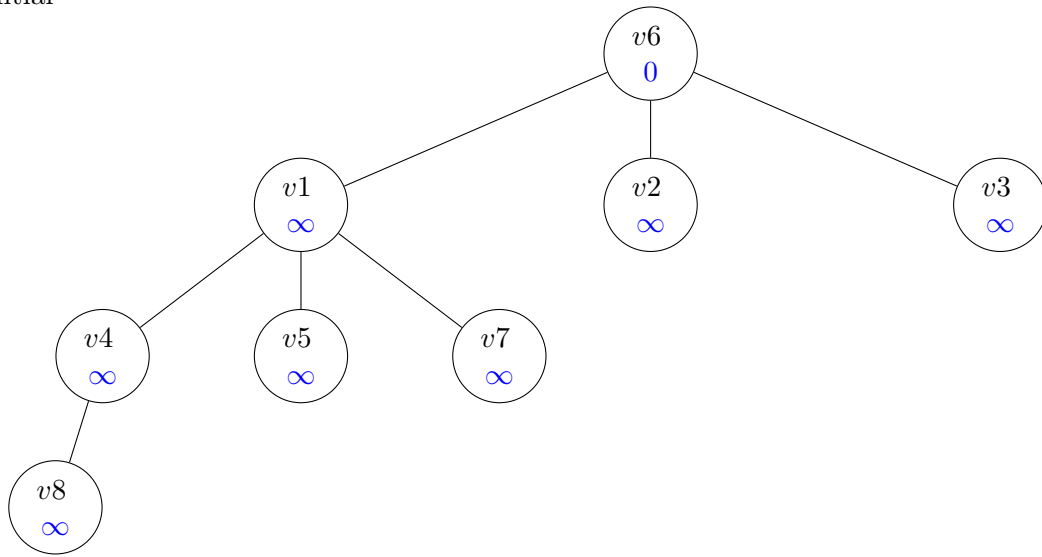


remove(4)

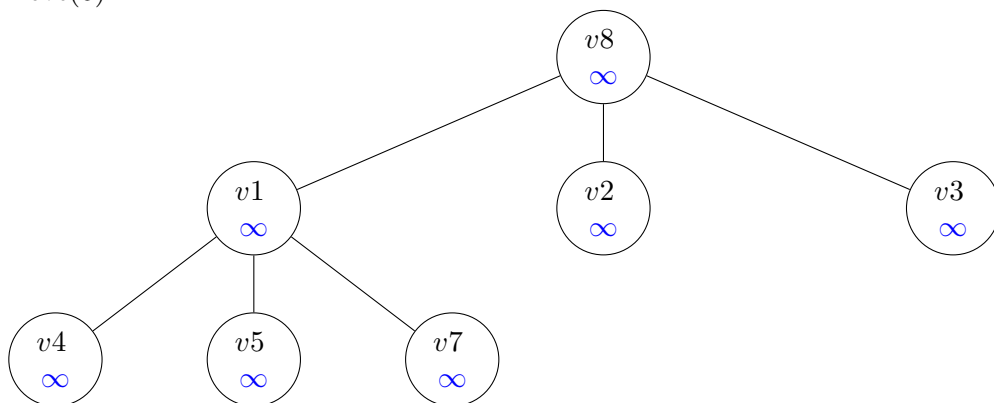
nil

## 2 Ternary heap

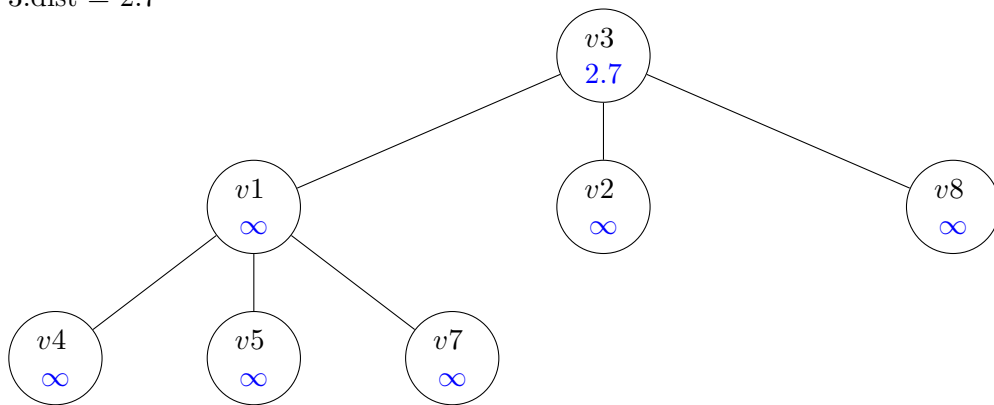
initial



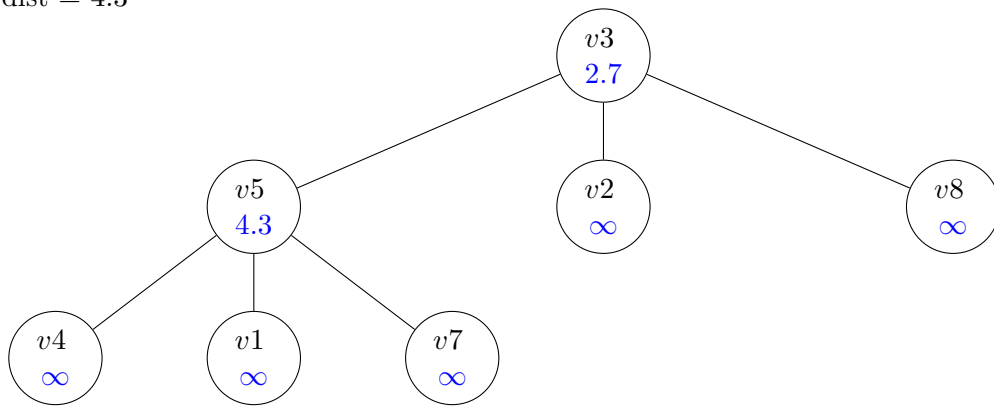
remove(6)



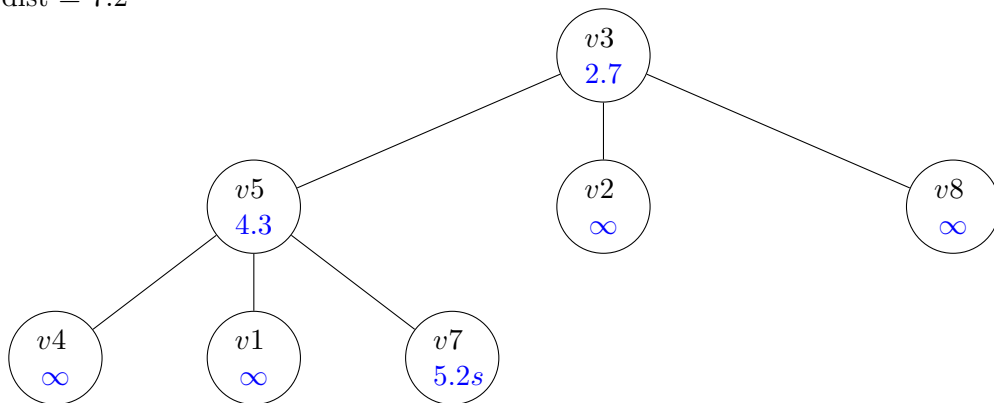
3.dist = 2.7



5.dist = 4.3

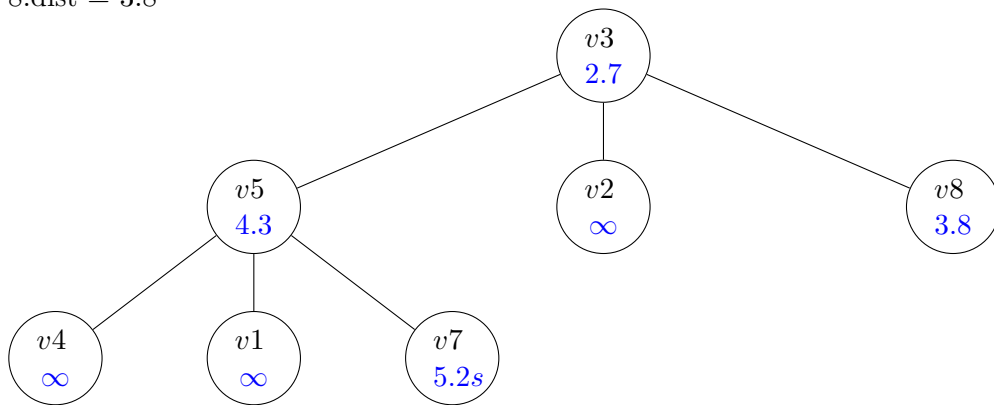


7.dist = 7.2

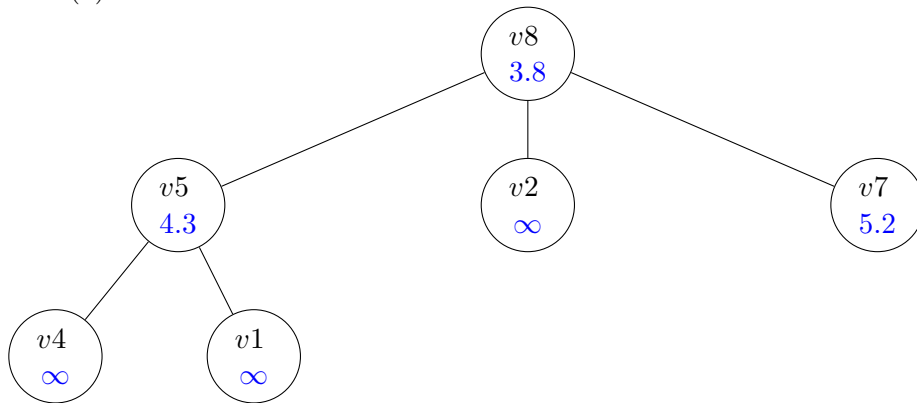




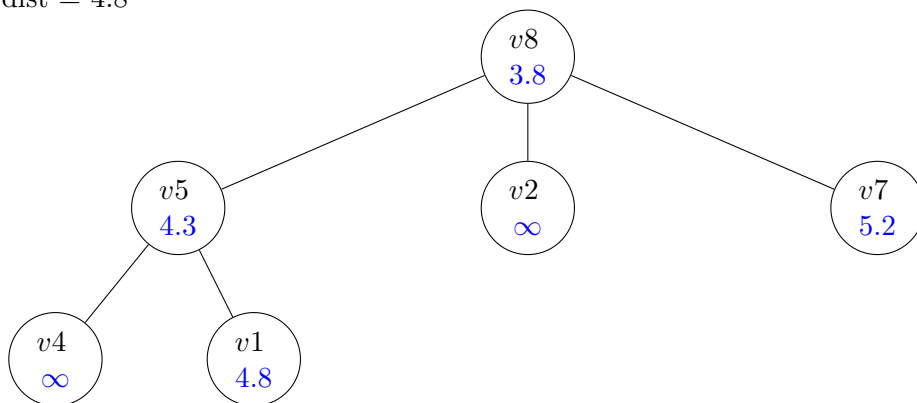
8.dist = 3.8



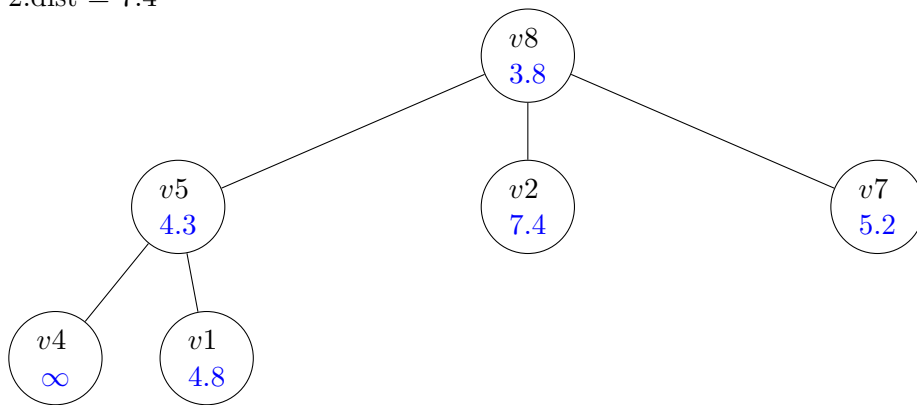
remove(3)



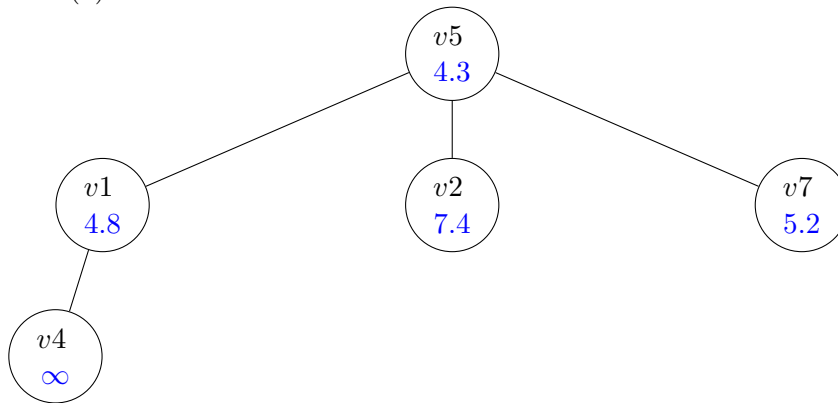
1.dist = 4.8



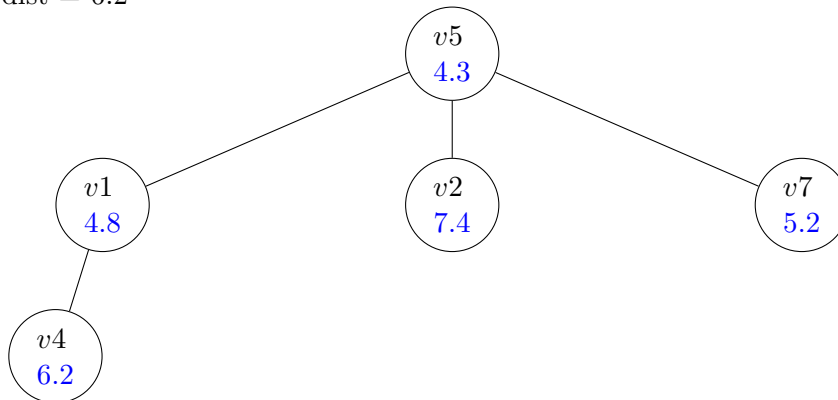
2.dist = 7.4



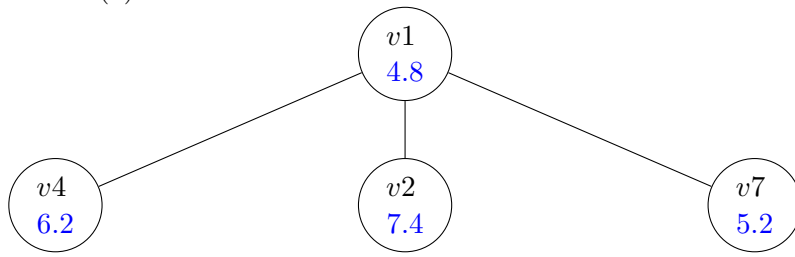
remove(8)



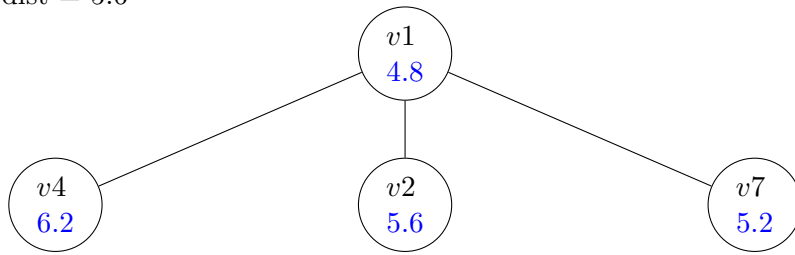
4.dist = 6.2



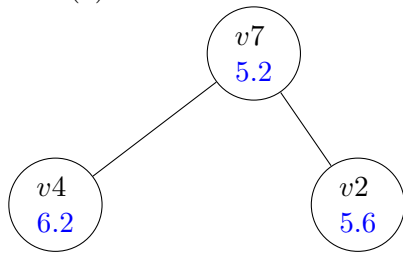
remove(5)



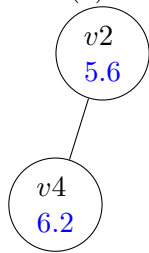
2.dist = 5.6



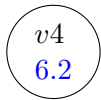
remove(1)



remove(7)



remove(2)



remove(4) nil