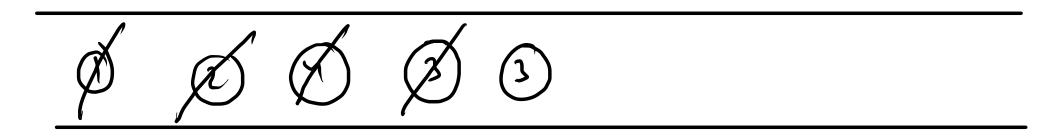
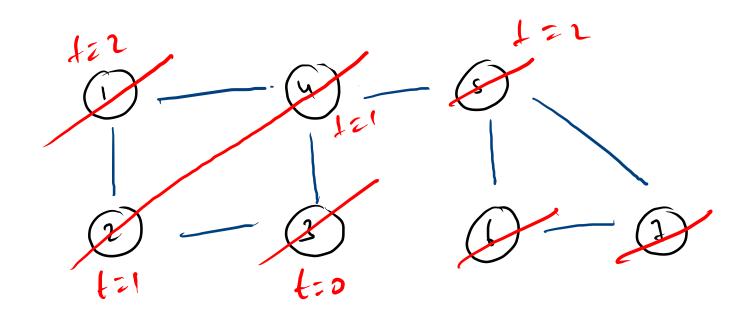


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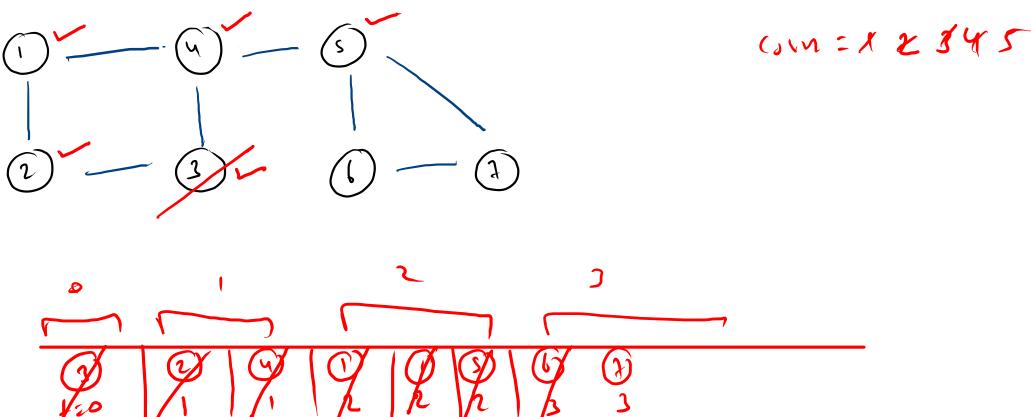
t=2

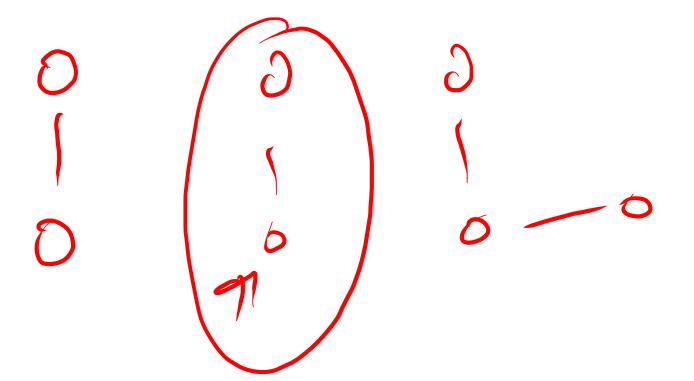
S

43

(Z)

of mark works (hill





521-20

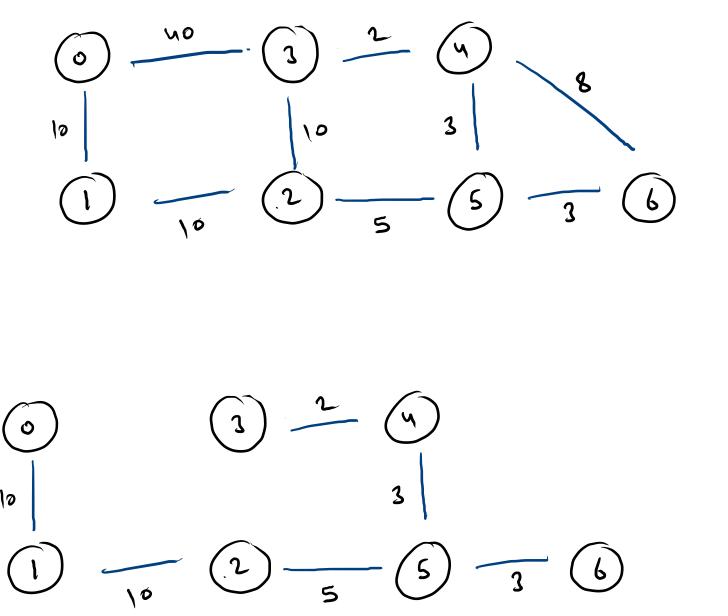
$$\frac{10}{10}$$
 $\frac{2}{10}$ $\frac{2}{5}$ $\frac{8}{3}$ $\frac{8}{6}$

0 @ 0 0 S via 0125 @ 25 1 @ 10 01 4 via 0125 4 @ 28 2 @ 20 012 3 @ 30 0123 3/40/103" 5/25/40125"

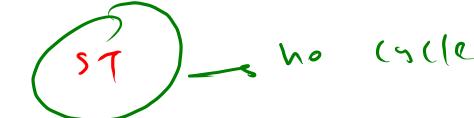
3/40/103" 6/31/1012546"

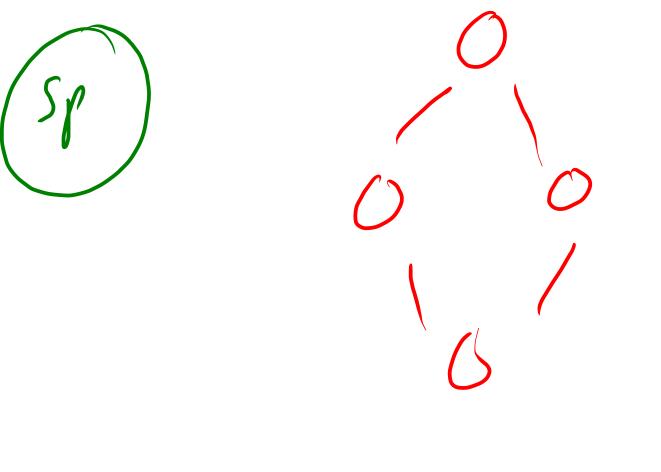
6/28/1012564

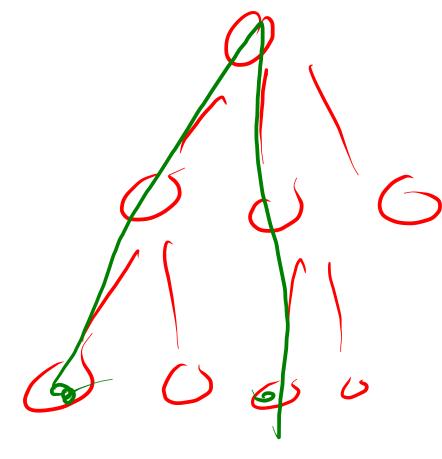
3/30/1012511

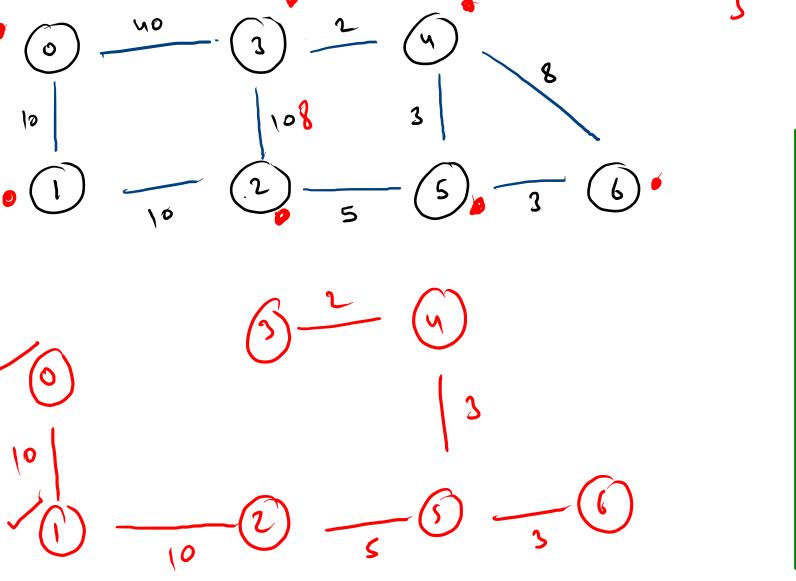








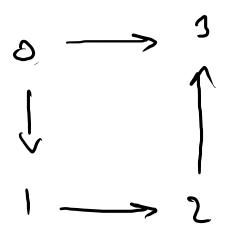


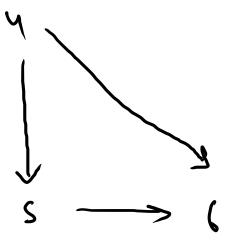


0-1-10 5-43 0-5-43 0-5-43 1-2/10 4-9/2 2-2/10 4-6/8 2-5/5

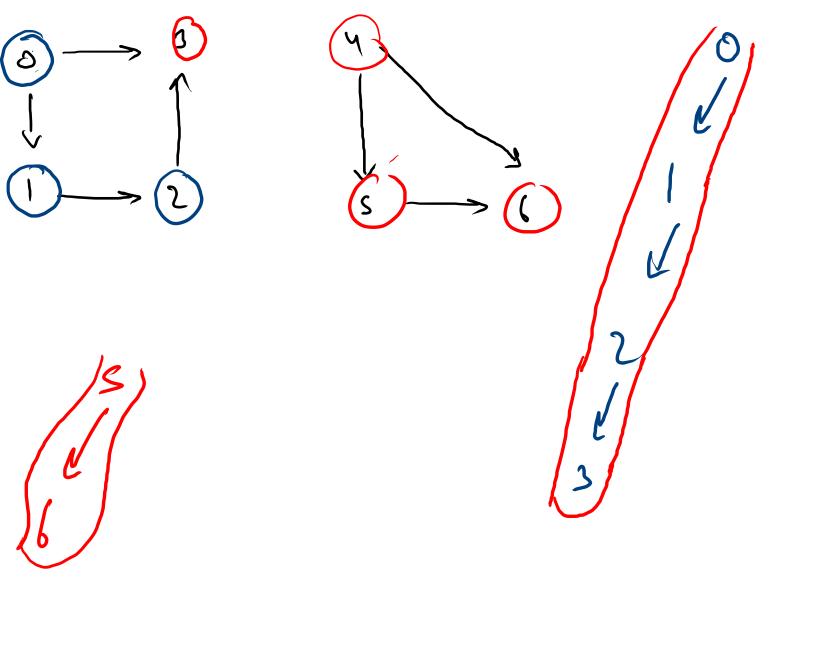
Dixos all Juka DikuL Min John ectivity all over

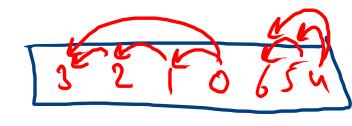
```
40
PriorityQueue<Pair> pq = new PriorityQueue<>();
pq.add(new Pair(0, 0, 0));
boolean visited[] = new boolean[vtces];
                                                                                                   3
                                                                10
                                                                                      10
while(pq.size() > 0){
      Pair p = pq.remove();
      if(visited[p.nbr]){
          continue;
                                                                                           sx hhr u
     visited[p.nbr] = true;
      if(p.src != p.nbr)
      System.out.println("["+p.nbr+"-"+p.src+"@"+p.wt+"]");
                                                        static class Pair implements Comparable<Pair> {
      for(Edge ed: graph[p.nbr]){
                                                           int src;
          if(visited[ed.nbr] == false){
                                                           int nbr;
              pq.add(new Pair(p.nbr, ed.nbr, ed.wt));
                                                           int wt;
                                                           Pair(int v, int u, int w){
                                                               this.src = v;
                                                                                                       10
                                                               nbr = u;
                                                               wt = w;
                                                           public int compareTo(Pair b){
                                                               return this.wt - b.wt;
```

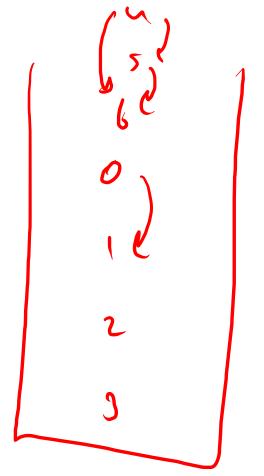


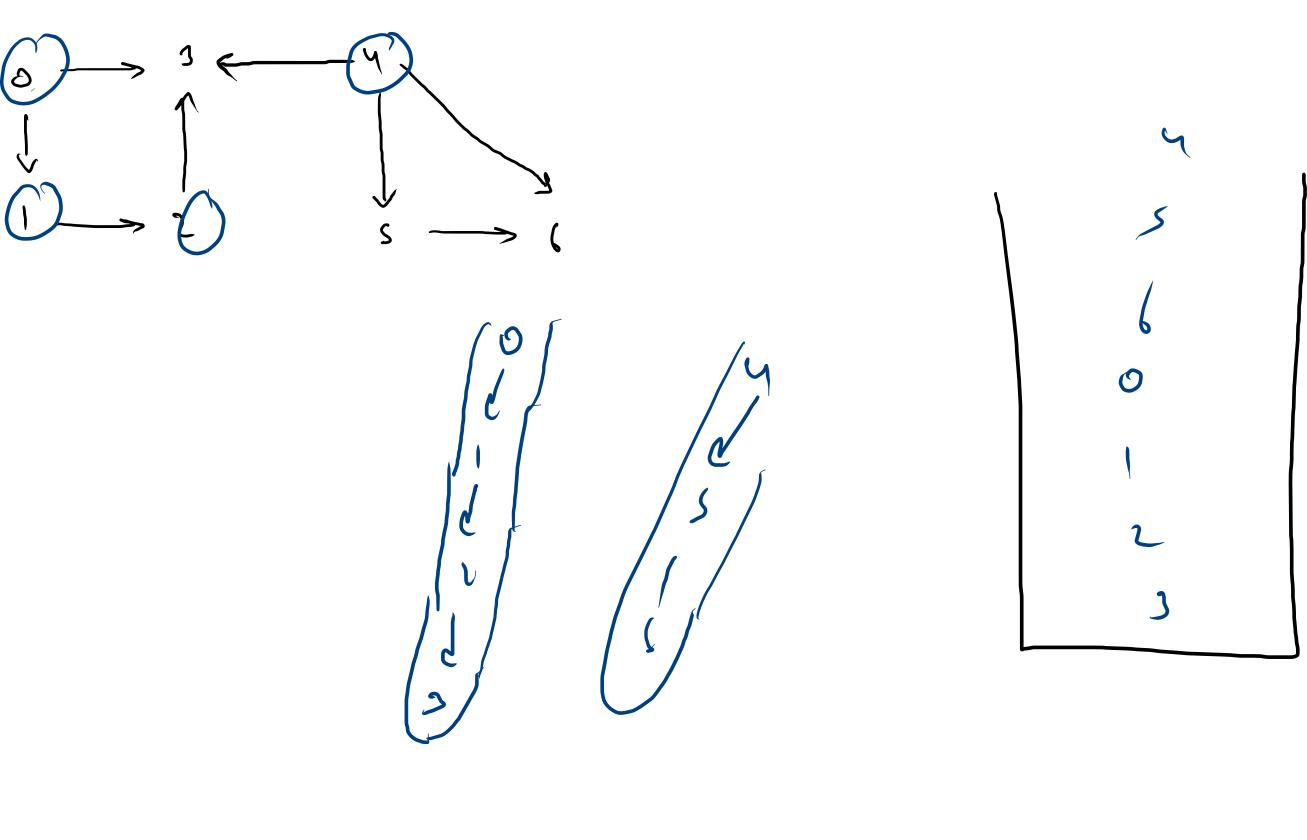


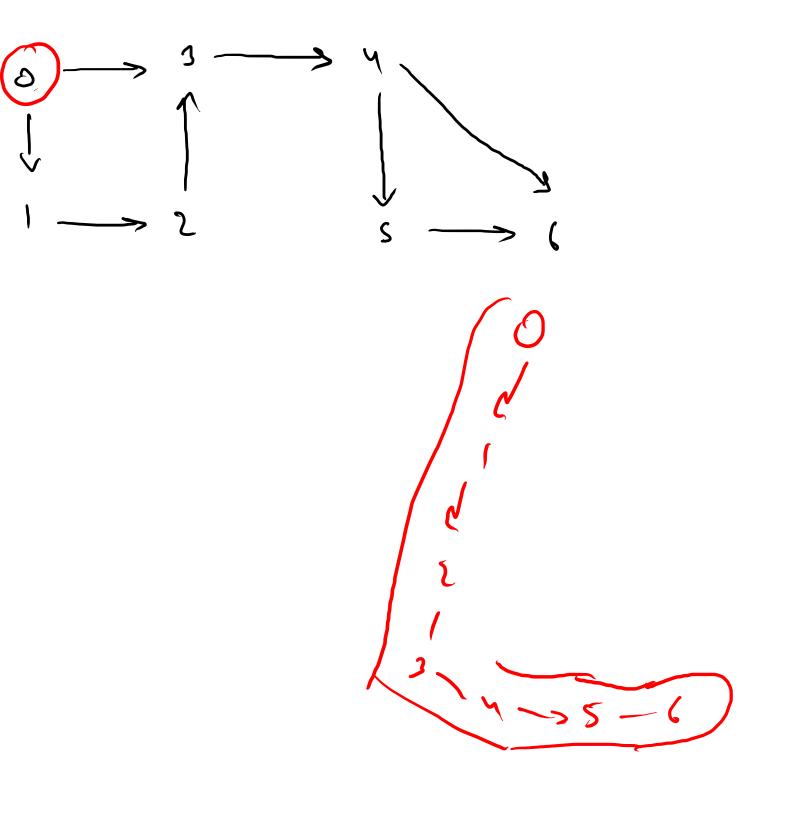


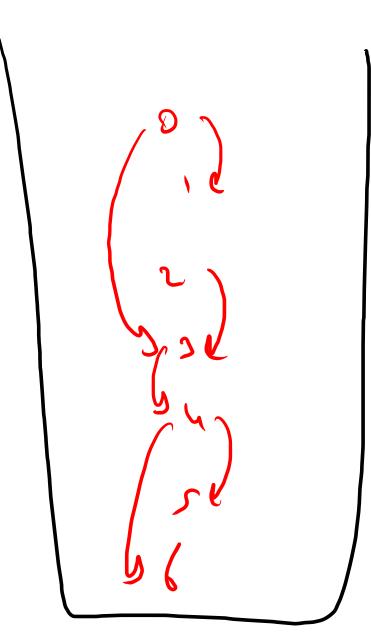


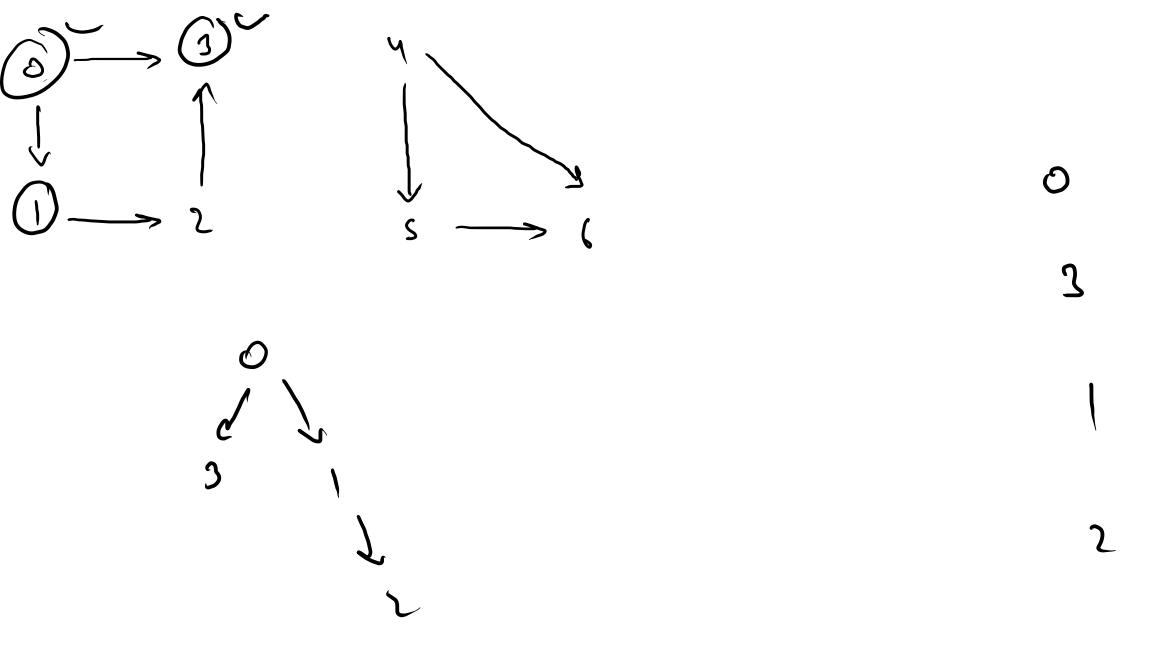


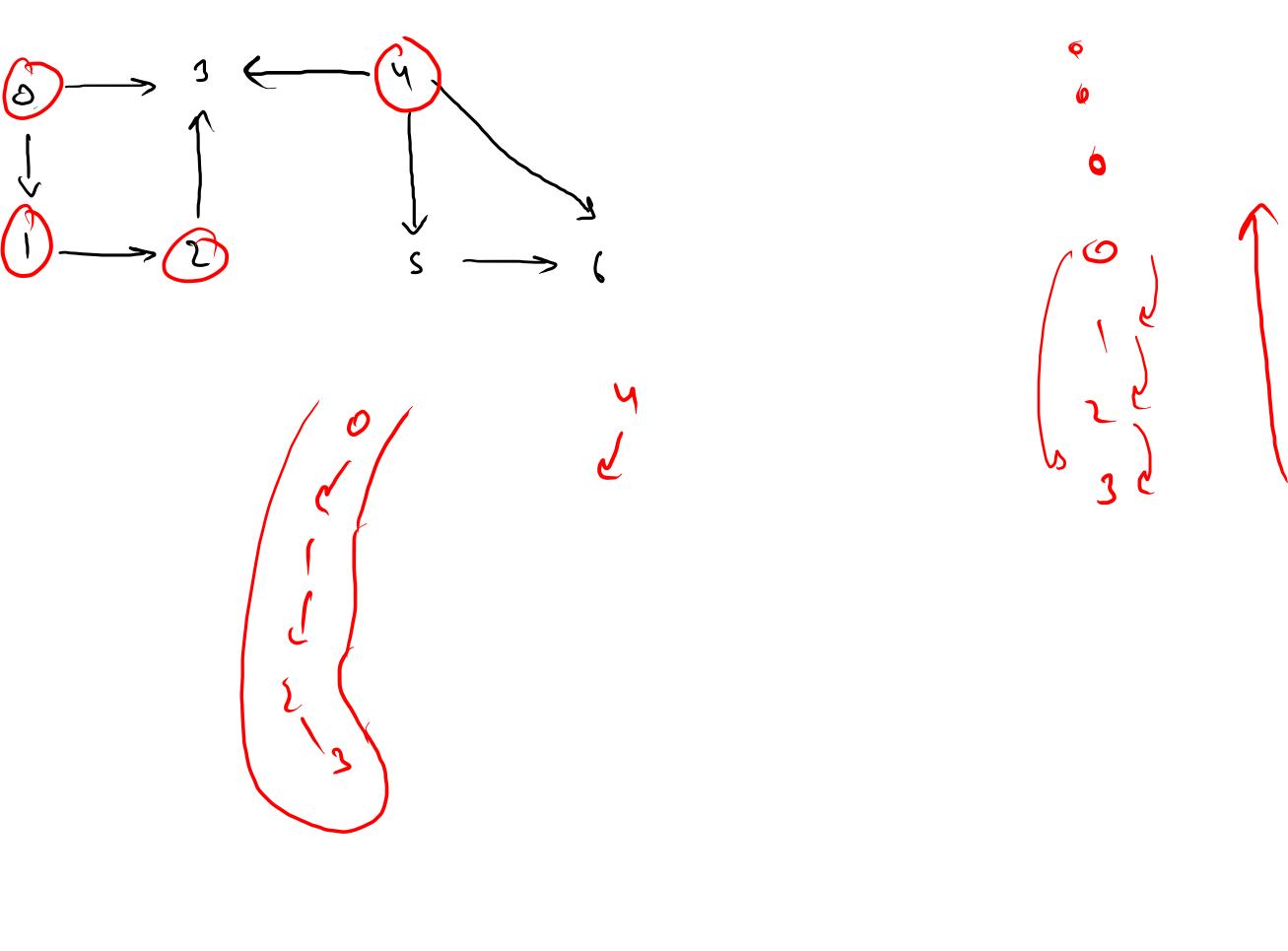


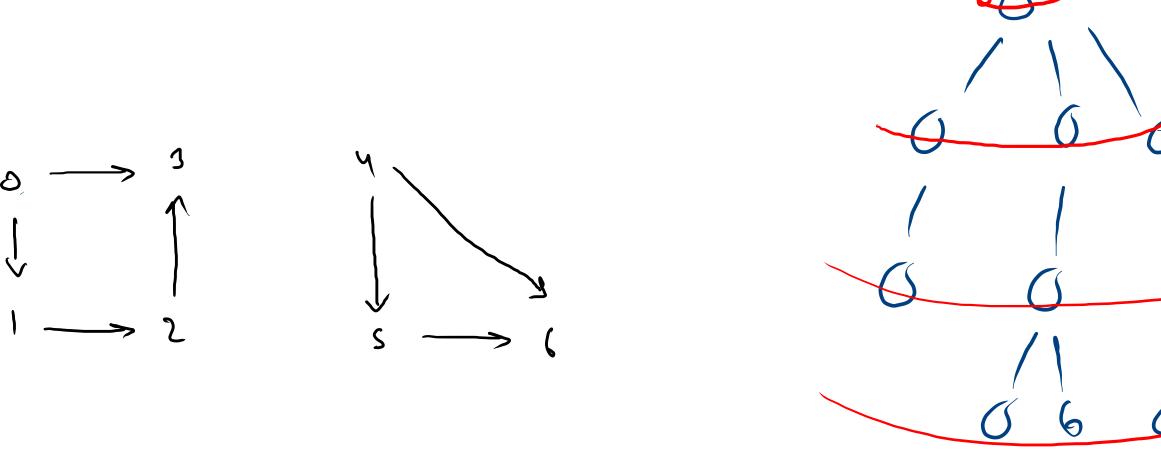




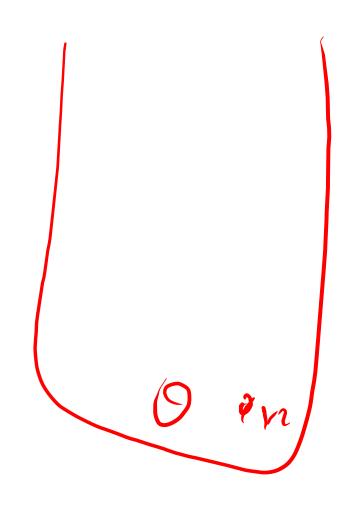


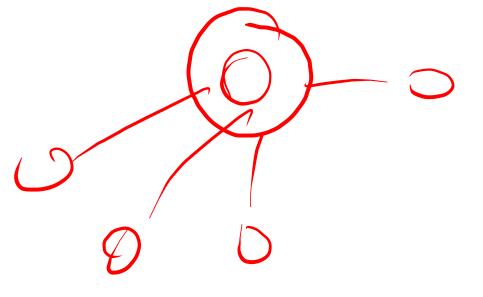


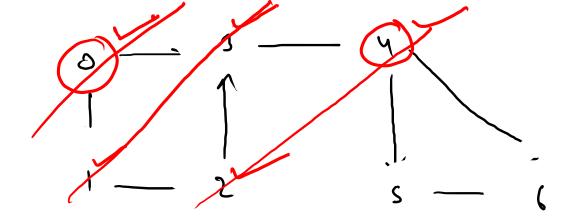




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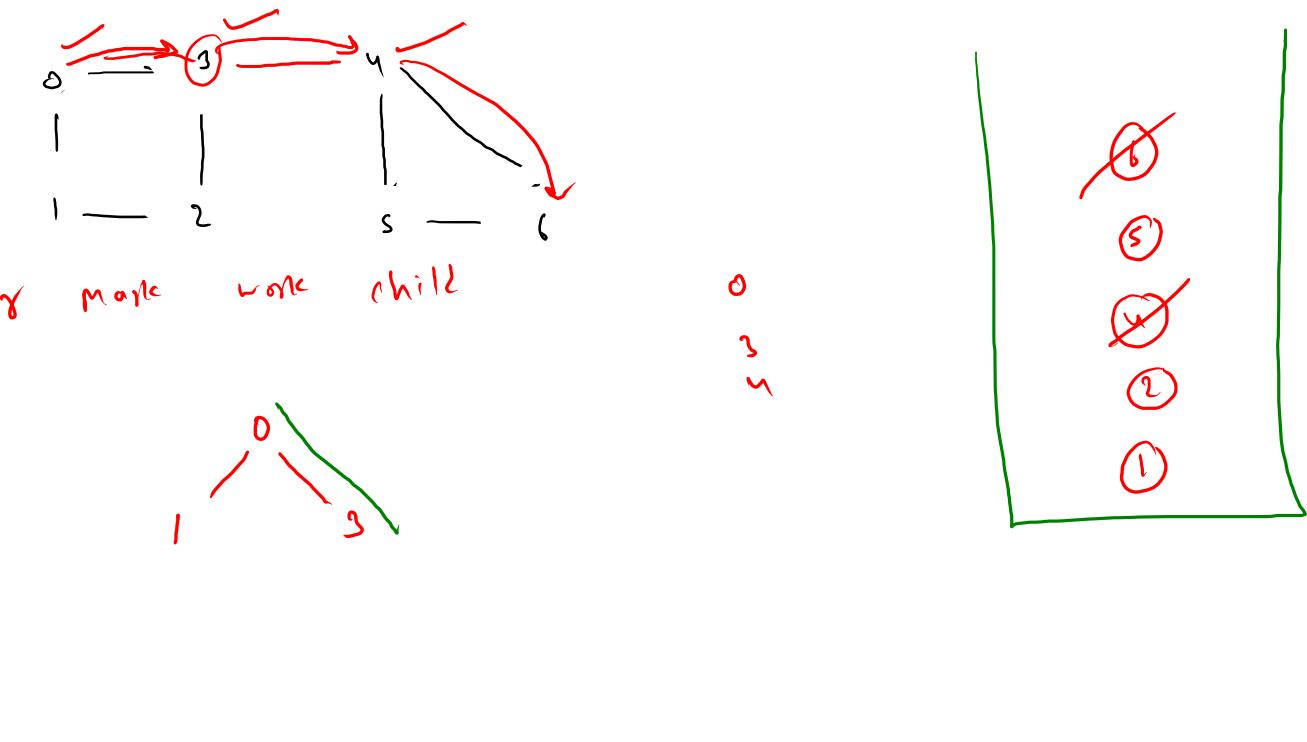


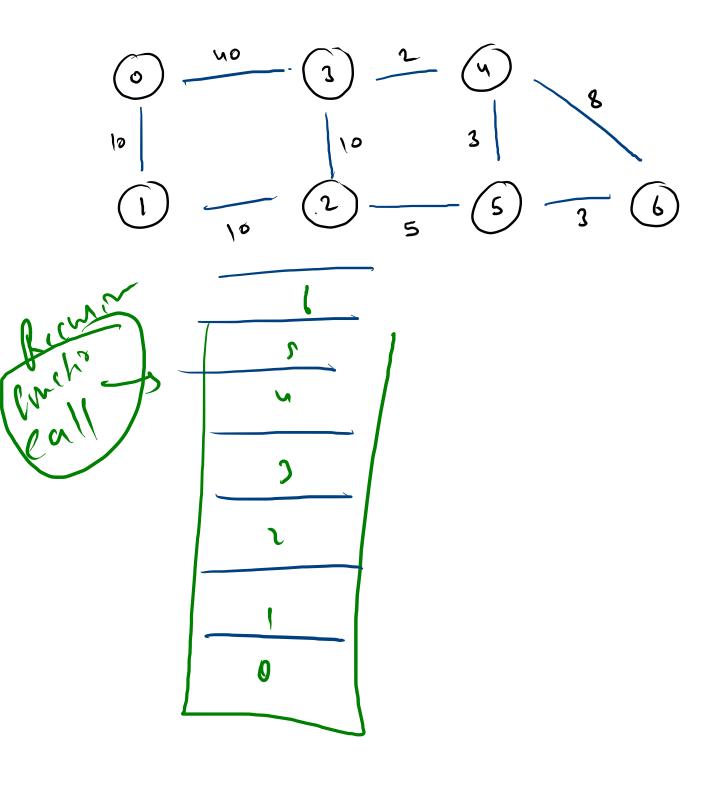


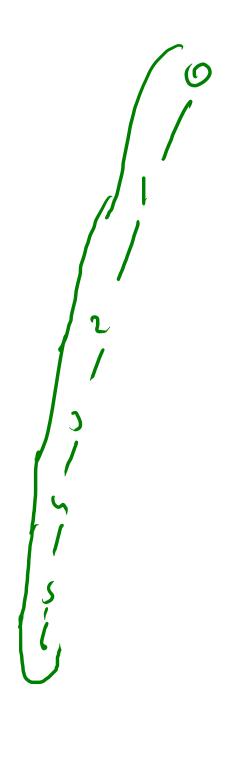


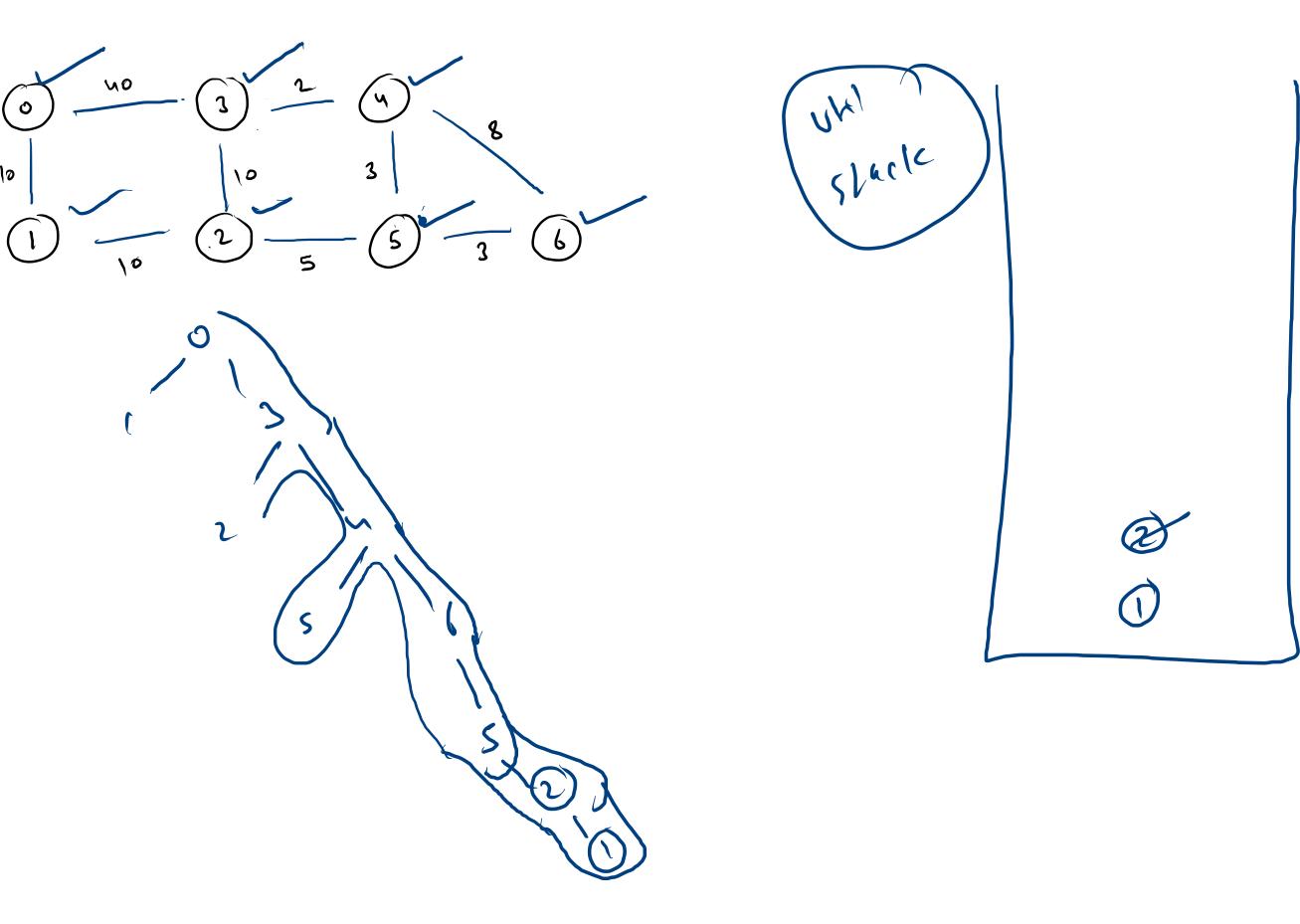
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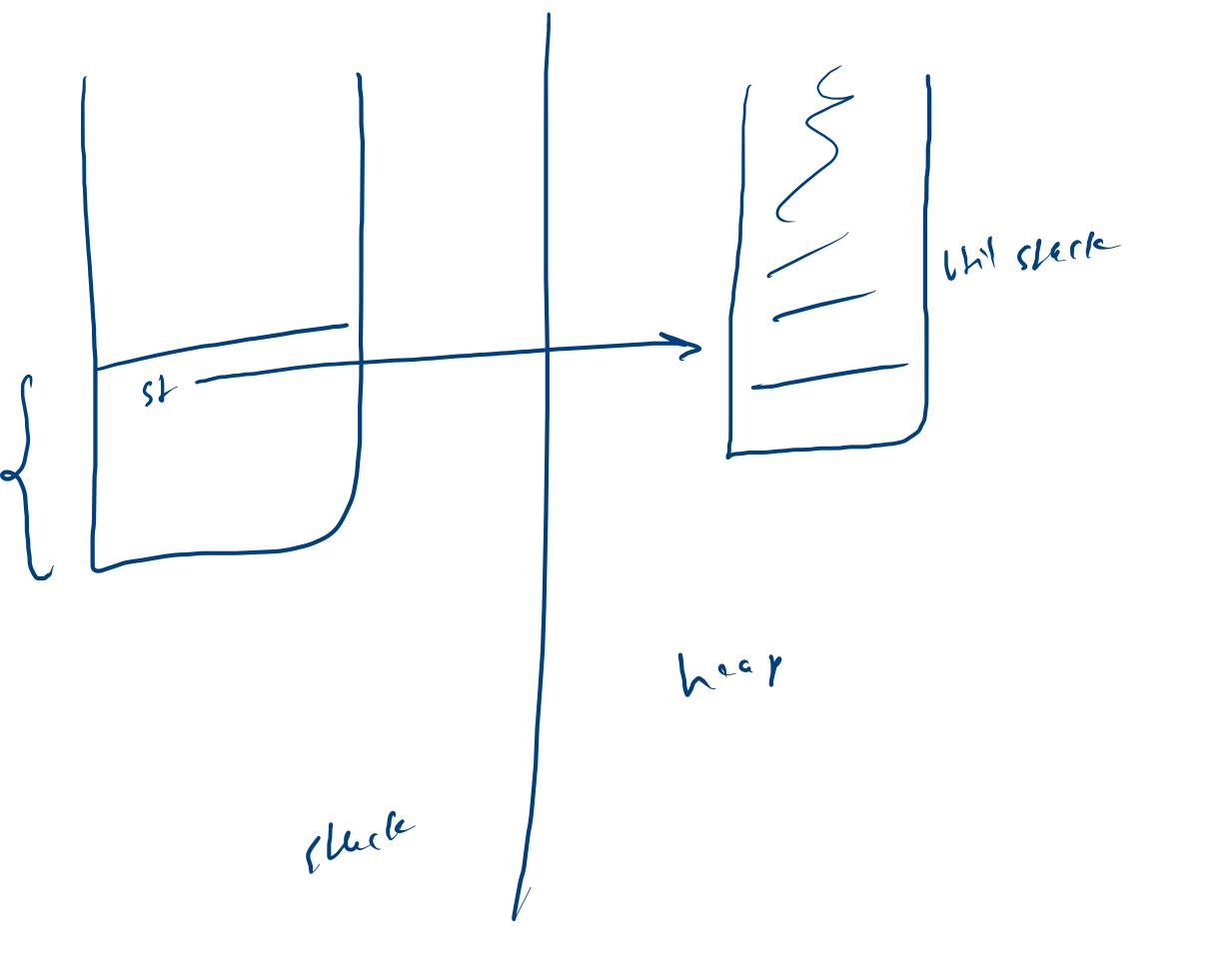
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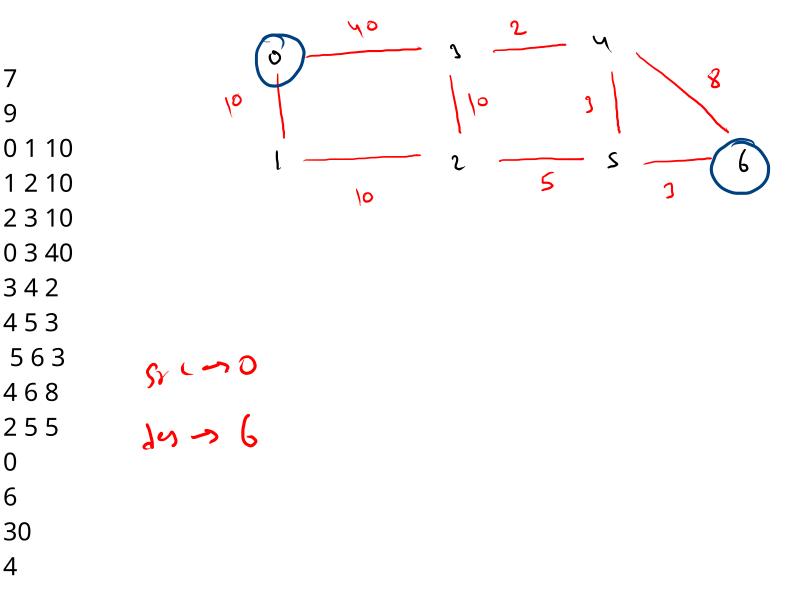












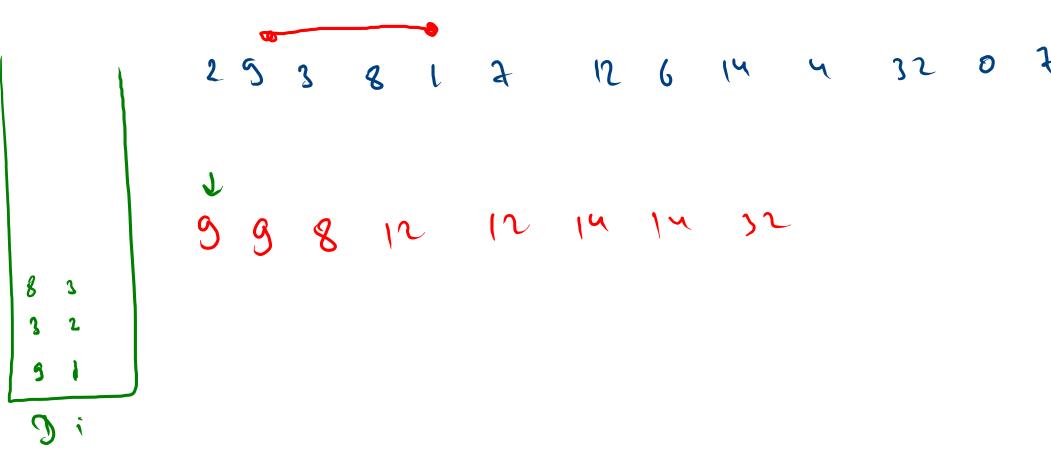
Smallest Path = 01256@28

Largest Path = 032546@66

Just Larger Path than 30 = 012546@36

Just Smaller Path than 30 = 01256@28

4th largest path = 03456@48



for the array [2 9 3 8 1 7 12 6 14 4 32 0 7 19 8 12 6] and k = 4, the answer is [9 9 8 12 12 14 14 32 32 32 32 19 19 19]

6 12 6 14 1 6 3 9 3 8