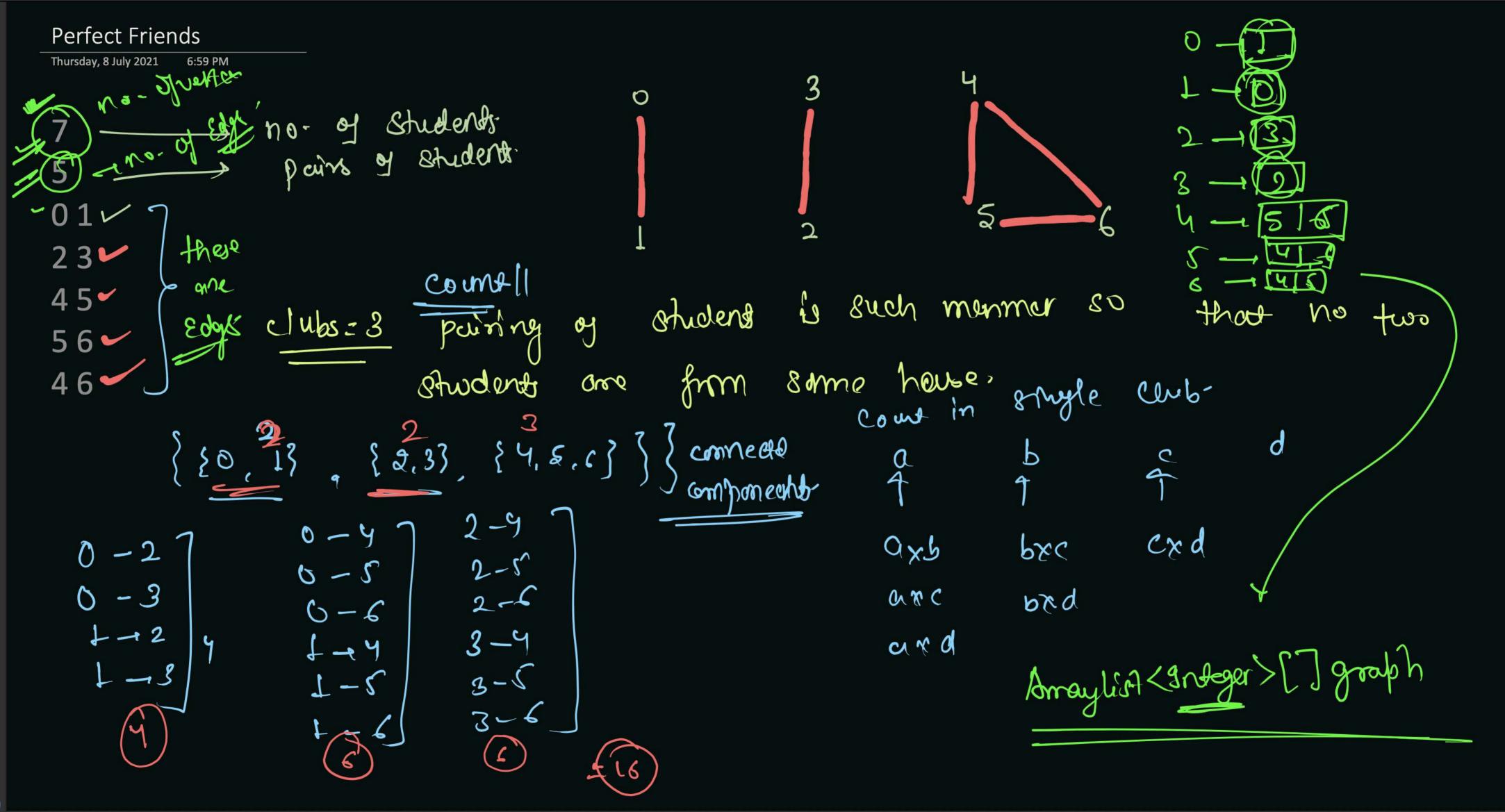


no. of islands=3

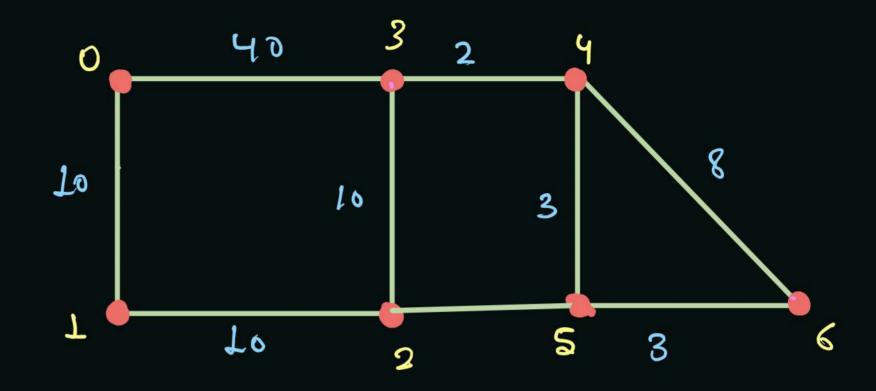
marking - (umordaing)
graph(x)/1/2-1



```
[[0, 1], [2, 3], [4, 5, 6]]
                                                             // System.out.println(comps);
                                                             int count = 0;
         n = no. of components
                                                             for(int i = 0; i < comps.size(); i++) {</pre>
                                                                int s1 = comps.get(i).size();
                                                                for(int'j = i + 1; j < comps.size(); j++) {</pre>
        complexity
                                                                   int s2 = comps.get(j).size();
                                                                   count += s1 * s2;
                                          0(n^2)
                                                             return count;
                                                                     0
                      a
Size of
                                                                   dre
                                                 CXd
 Camponent
                                 bxC
                 Oxb
                                                CKE
                                                                                             res = rest + Size of ithough
                                  bxd
                Oxc
                                  bxe
                                                                                              sum = sum + size q
                 ard
                                  bxf
                                                                                         direction of traversal
                                                     Time -
                 ax e
                                                                                                               cmp-
      a(b+c+dfetf) + b(c+de+f) + c(d+e+f)
                                                                      d(eff)
                                                                                                    4040
                                                  c(de exf)
```

Thursday, 8 July 2021 6:59 PM

Hamiltonian Pouth is fath from which we can visit all the verteces without visiting omy vortex twice:

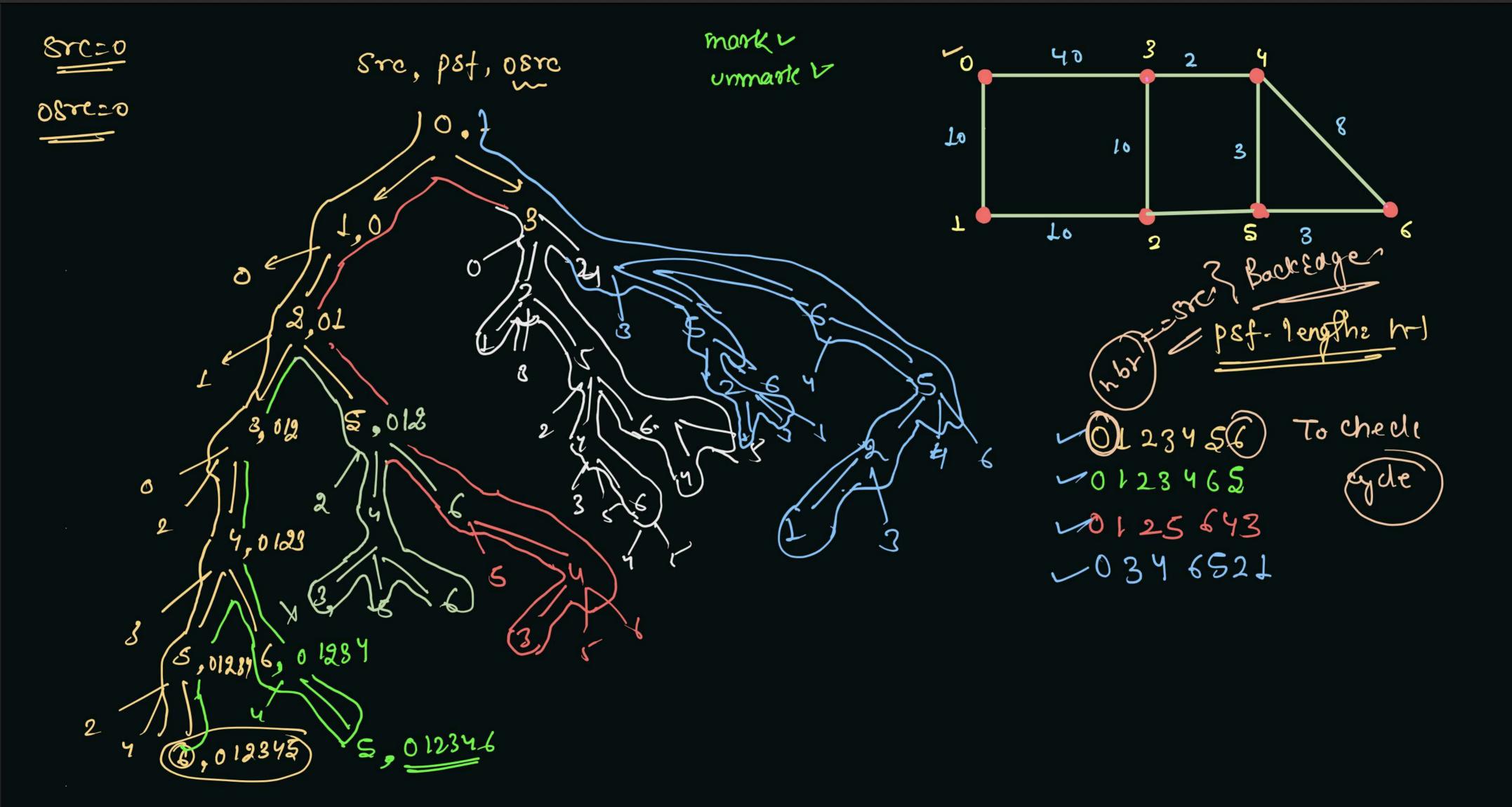


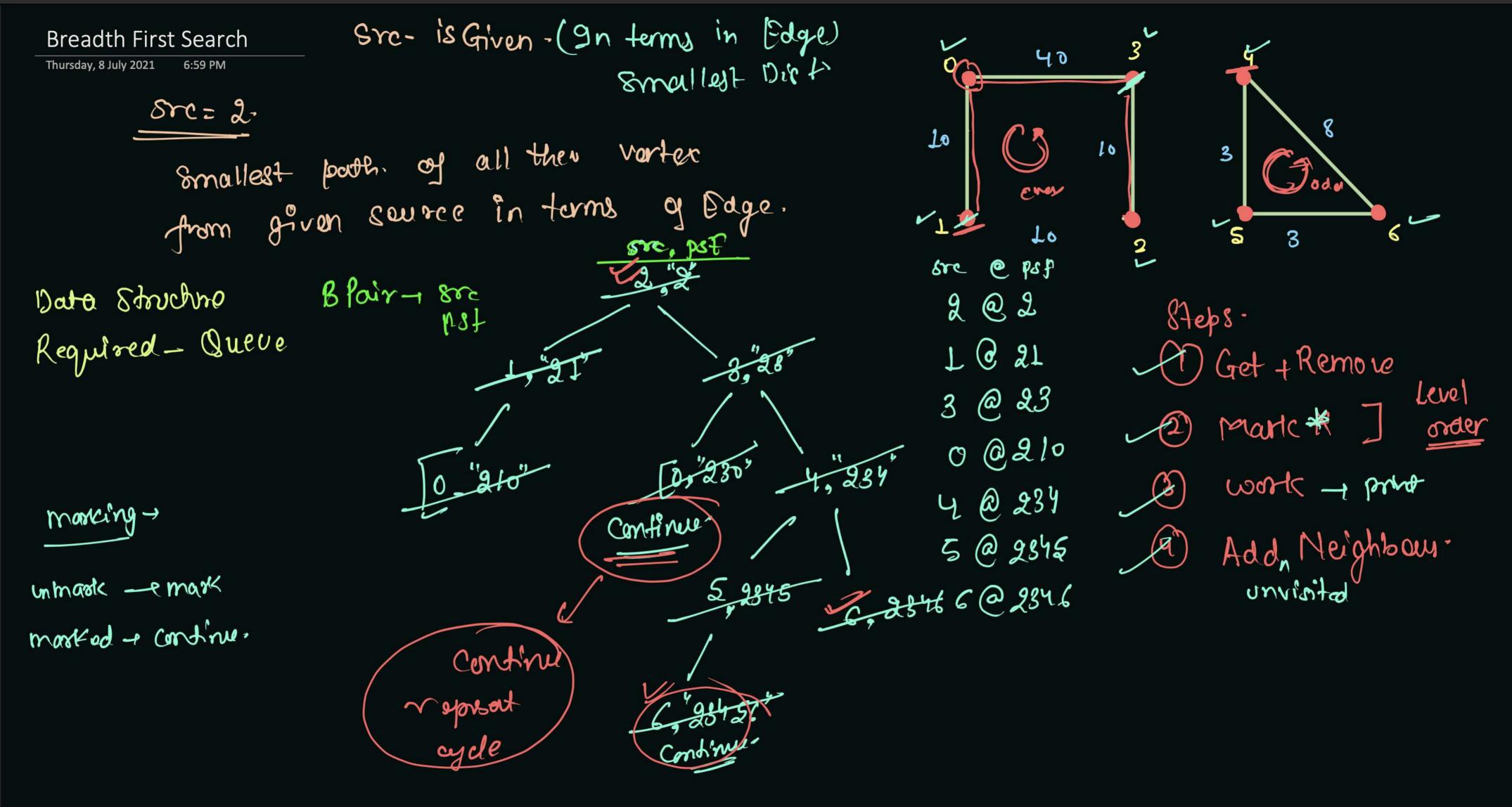
Homiltonion cycles Homiltonion peuth in we have a back Edge from to oniginal last Visited son source:

> Cycle - porte path -e poeth.

Homi Honi on podh-3 45-16-14-13-12-11-10, Edge,

Srcc, why?? Hint + Keep original





Thursday, 8 July 2021

7:00 PM

for yeaph cydic

(visited)

Helperfonction - BFB (see recieved panis man cyclic

function)

of the condinate of robust frue

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