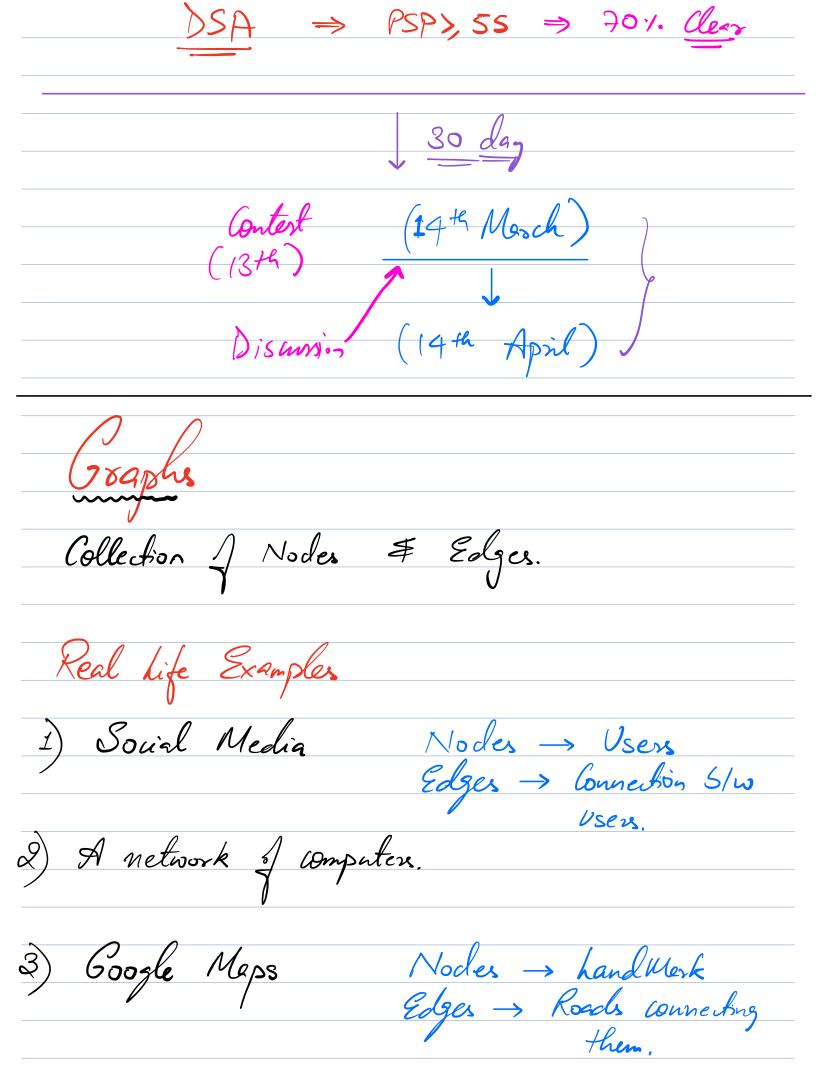
Mock duterview => Simulation of real interviews! Structure 60 mins -> 2 duestions Flow: → 3-5 min to introduce 300 Problems > 20-25 mins. Feedback -> 5 mins Duestons Jake a mont to process the
question (Example, Dry) Basic Sola (Brute Losce)

Johnisetion

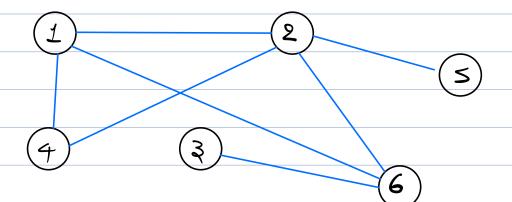
Johnisetion -> Quality of Code DSA4 => (PSP>, So) => 7,901.

Clear

M-ch antennica,

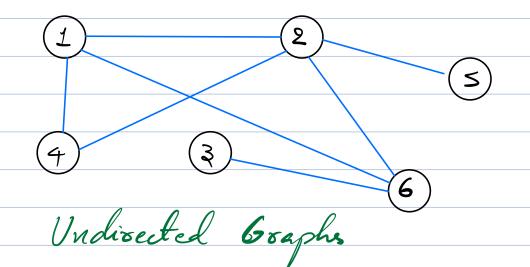


Nodes (N) -> 1, 2, 3, 4, N.

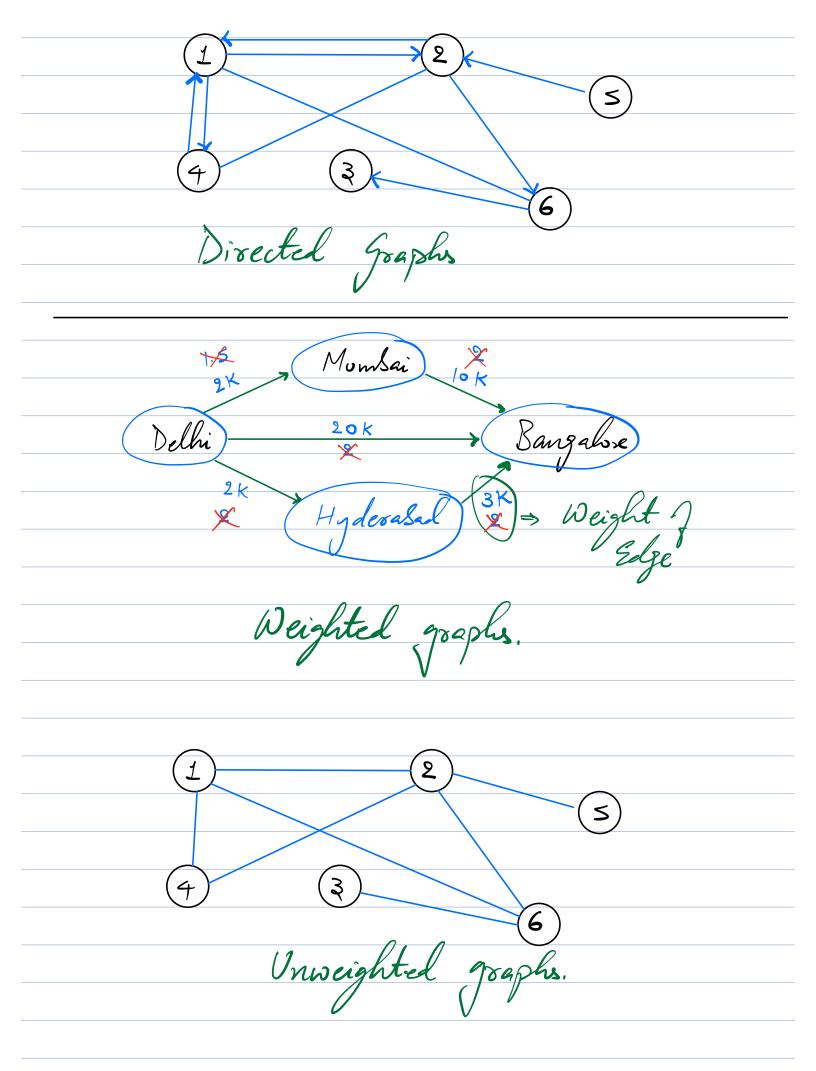


Vypes of Graphs

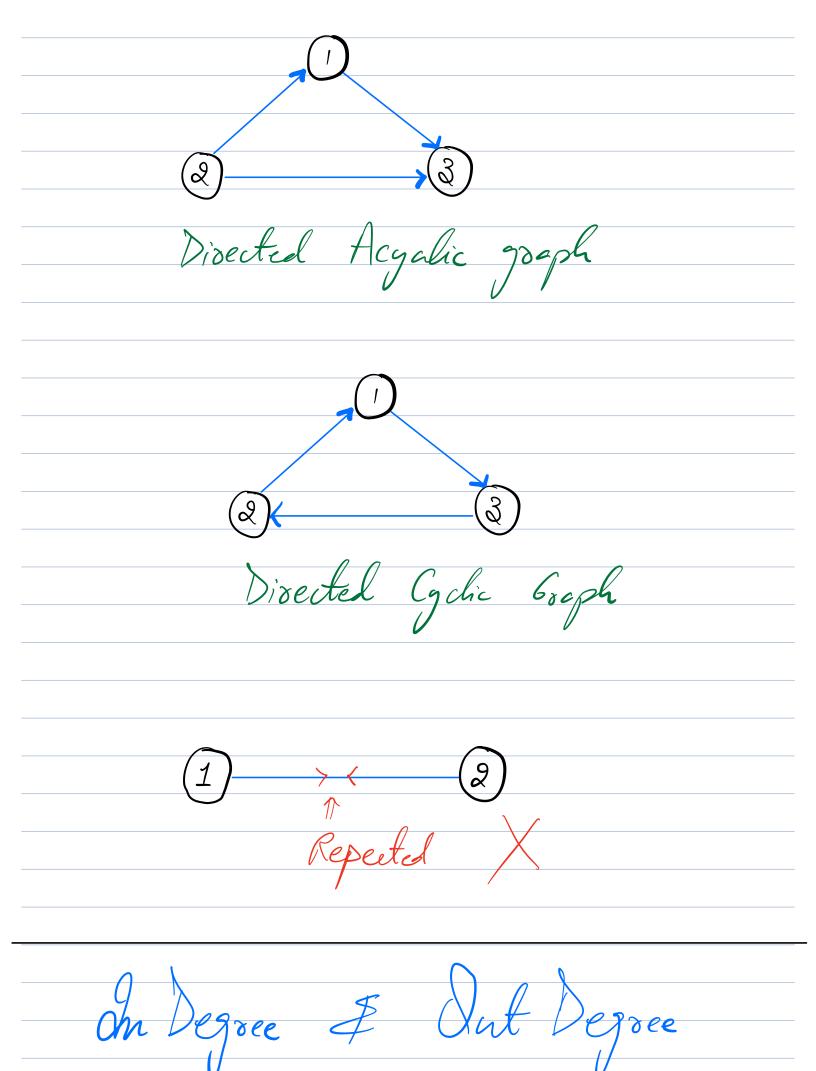
facebook



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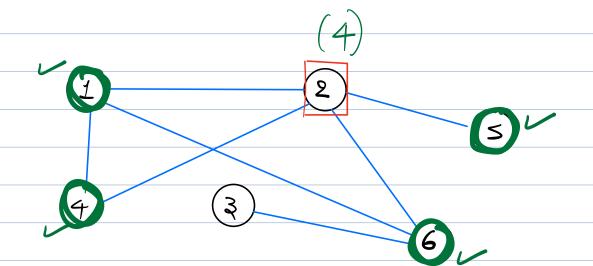


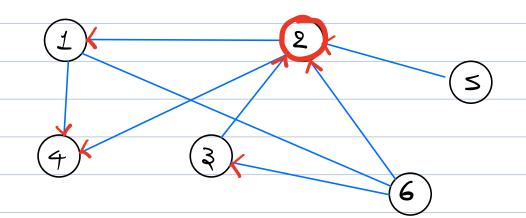
directed Undirected Undirected directed Weightel gooph Weightel Unweightel gooph Unweightel gooph

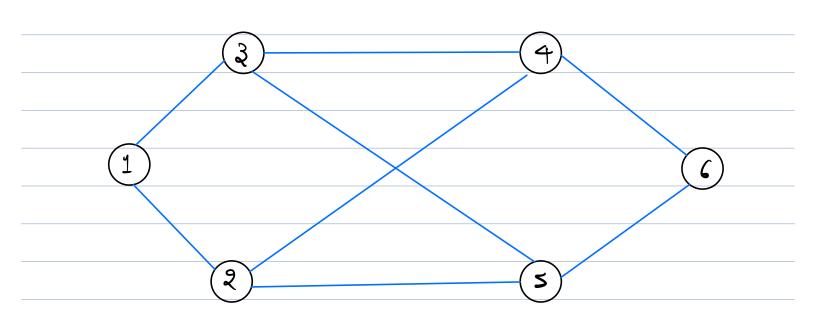


Degree > No. of adjacent modes

present







amout N = 6 E = 8No. 1 Nodes = N S - D - W3, 4

2) No. 1 edges = E

3, 5

4, 6

3) E lines 9 1/p

5, 6

2, 1

1, 3

M[E][2] M[E][3]

4, 2

Unweighted Weighted.

5, 2

How to store a graph 99

1) Adjacency Matrix [Met 12][j] = = 1) d Edge from i to j Metlistje = 0) d No Edge from i to j

NOTE: La undirected > Mat [i][j] = Met [j][i]

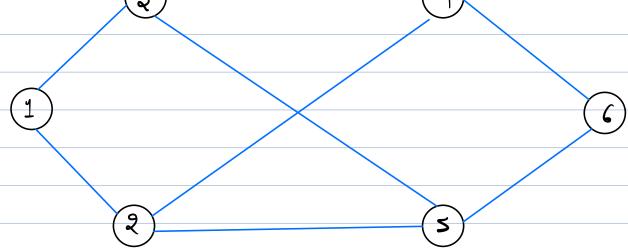
$$Mat \left[N+1 \right] \left[N+1 \right] = \langle 0 \rangle // N^{2}$$

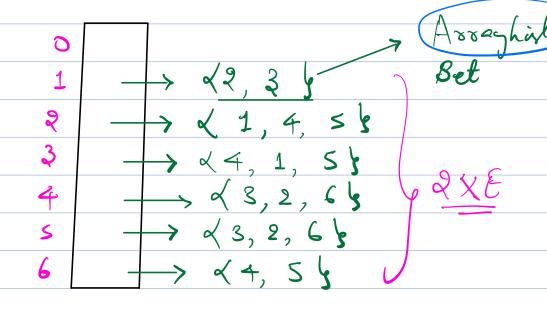
Mat
$$[s][d] = 1$$
;
Met $[d][s] = 1$;

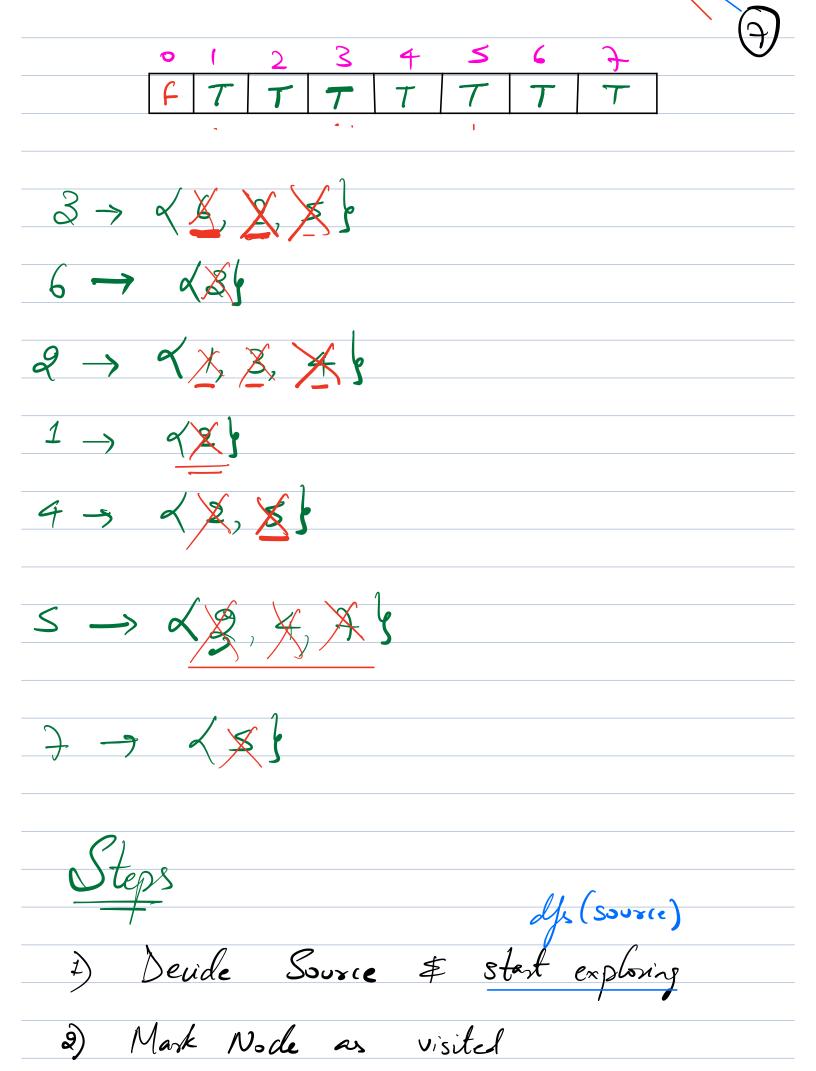
= A[i][1];

$$\mathcal{F}.\mathcal{C} = \left(\left(N^2 \right) \right)$$

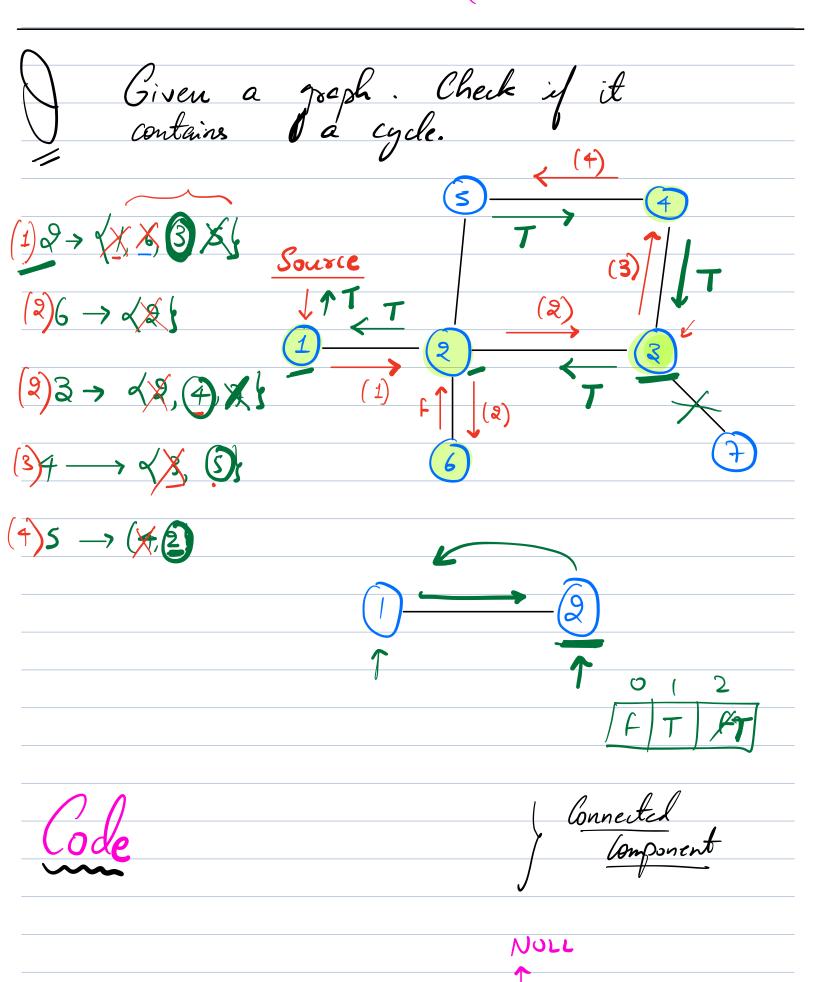
$$\mathcal{F}.\mathcal{C} = \left(\left(N^2 \right) \right)$$







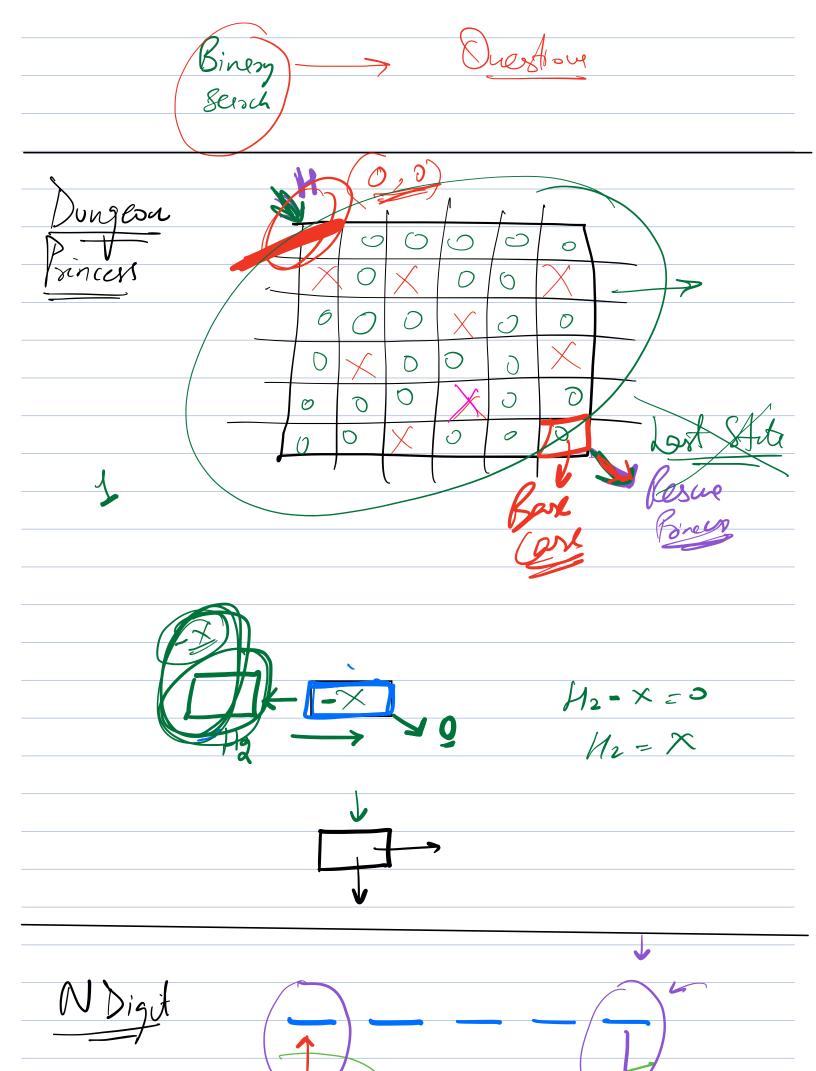
•
3) 60 to all unvisited neighbors \$ cell de recursively.
elle recursively
4) Backtoack.
ρ
Code
bool visited [N+1] = & false; }
(1301-0)
unid dle (source) d
void de (source) d
visited [source] = Ime;
Cyme y
La Calle made un mest in ali let 1
for (all nodes u present in adj. lest of Source) d
>>>>> ×
if (visitel [u] = = false) &
y (Visited full = Face)
$\mathcal{A}_{A}}}}}}}}}}$
dfs(u);
<u> </u>
J
h
5

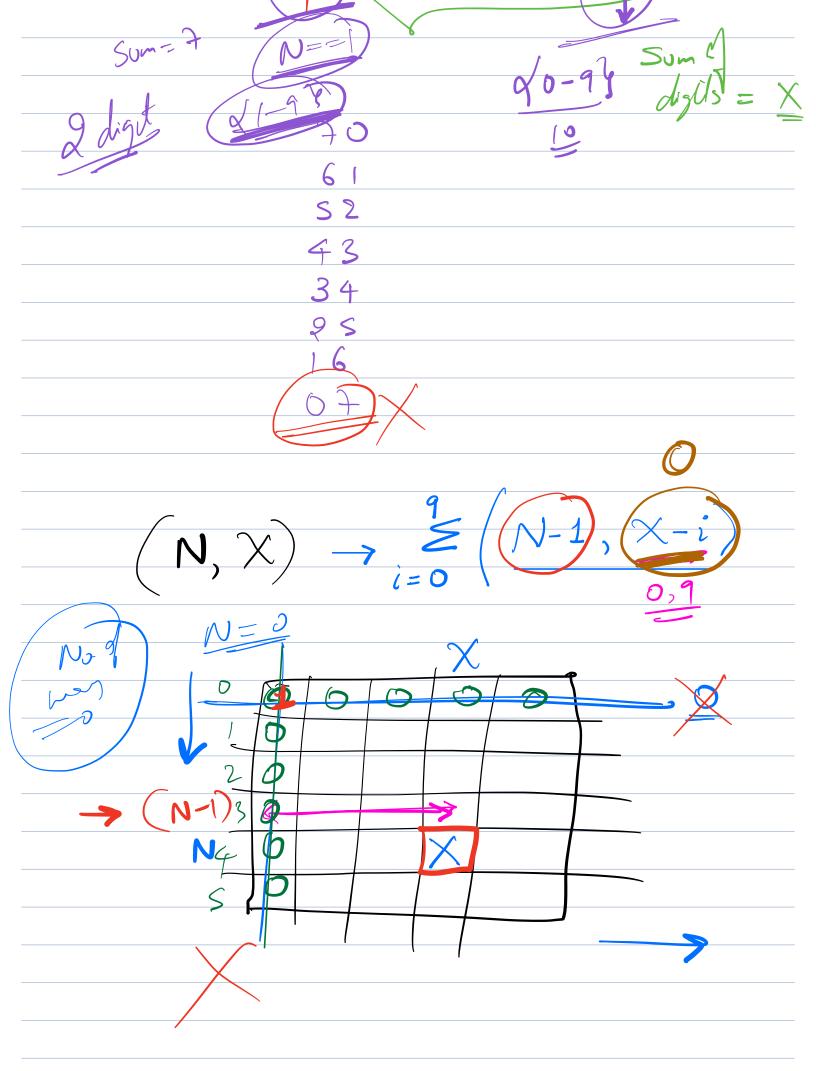


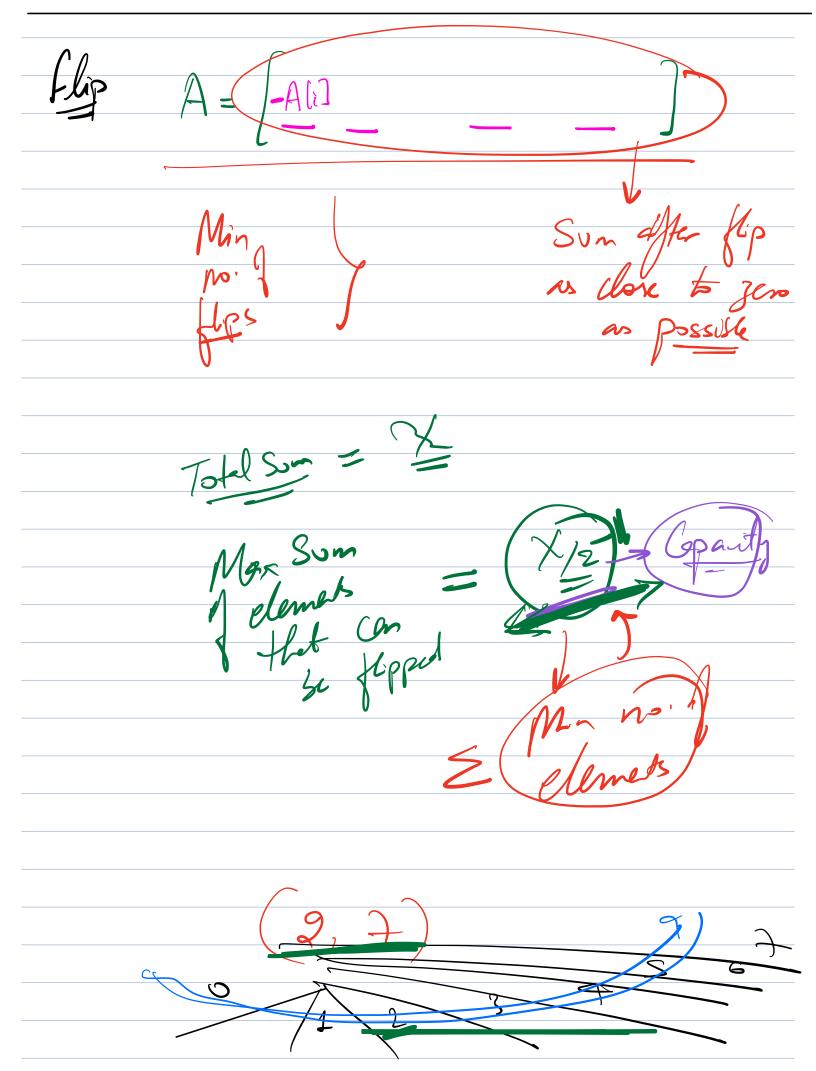
```
bool is Cyclic (Source, parent) &
       visited[source] = Ime;
      for (all nodes u connected to sousce) 2
            if (visited [u] = = True) d

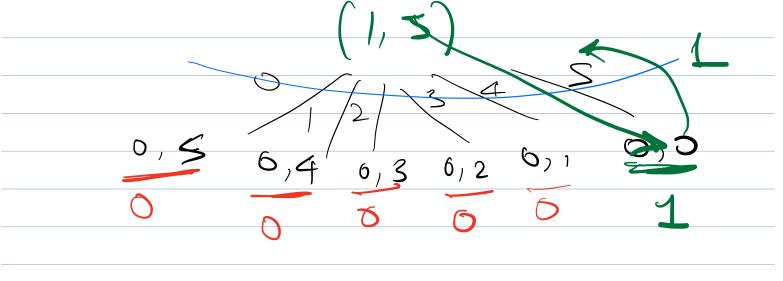
if (u! = parent) d

return True;
            bool cycle found = des (u, source);
               if (cycle found) of
return True;
                    TC = O(v+E)
                   S-C = O(v)
```









$$N = C = \frac{Sum/2}{N+1}$$