Morning.

1. Bellmon ford

2. Megative weight cycle détection

3. Max Edge Removal

Evening.

r 1. Colouring of Border

2. U-1 BFS

3. Alien Dictionary

4. Min swap to sost on array

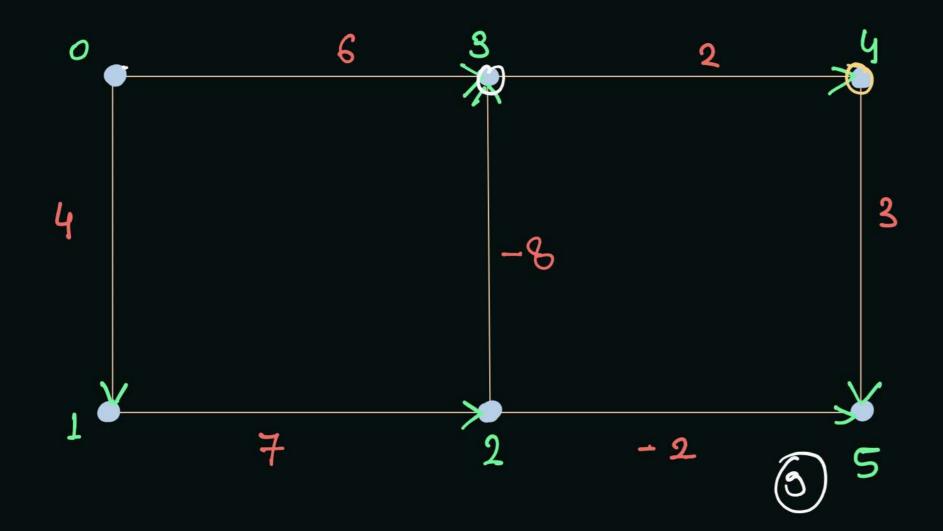
Bibertite graph.

* End of graph. *
Next topic - Heap and Hashmap.

12 * consider fix order of Edges and Solve for (v-1) time.
in it iteration shortest path length should be it.

censider order of Edge.

Heration - 1-1 Heration.



p wth 0 4 11 3 5 8

ith poth length <= ith terashbur

U-v. - Edgo.

if (path[u] + wt < path[u])

path[v] = path[u] + wt;

Mote: i path length will definietly solve till ith iteration why we iterate (v.i) times?? graph cyclic L'near -ve wa V weeker Edge 1(V1) Edga 0 ____0

(v-1) L'ma iterate for post leyth,

cycle is not consider

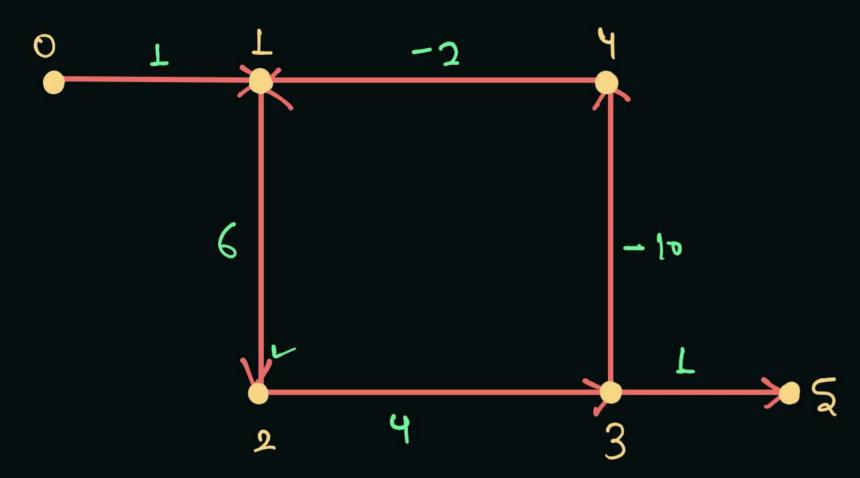
it also take at max (V-1) déstance

Edgestry to solve -- (pen paper) 0 iff path[u] + w+ posth[v]= posth[u]+w+;

Negative Weight Cycle Detection

Saturday, 30 October 2021

11:48 AM



src =0 dst = 5

0 - 0 = 0

3 -10 3

-3-2·= -5 +1 =1

Bellman ford V=6

G-Herathorn

iterations

Tresult update
Le -ve wat

cycle

exist

Remove Max Number of Edge Type Saturday, 30 October 2021 12:16 PM 3-, Edge form Bob and Alice both com travel green -1 type -3 3 1 -> Edge from Alice com travel Yellow - type -1 2 -s Edgo fem com Sort on the boot's of type. type cortal x 2005 Bob