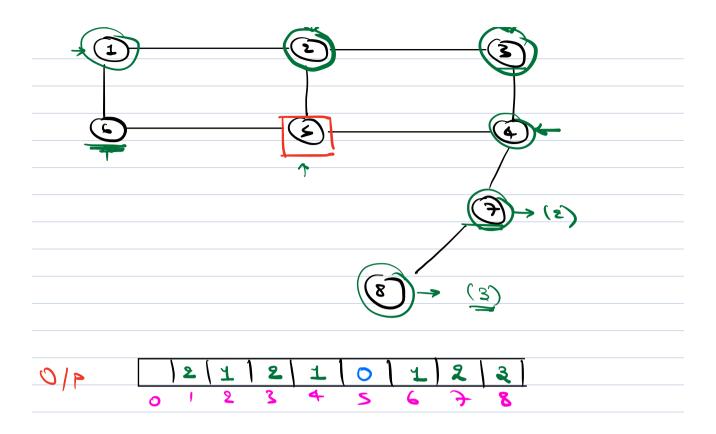
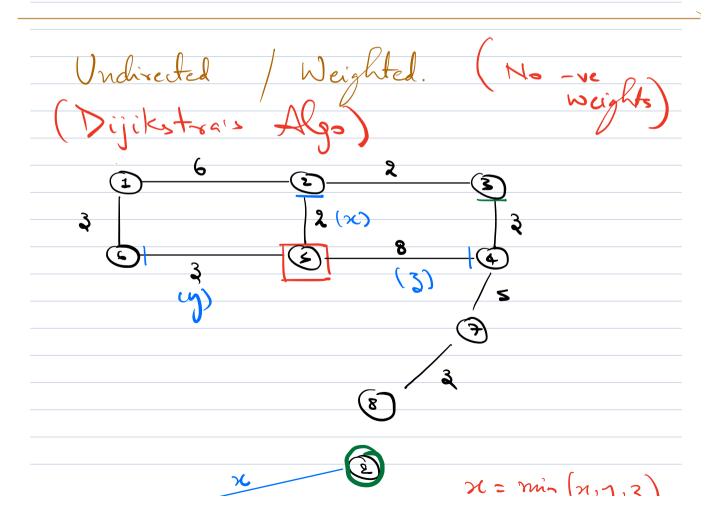
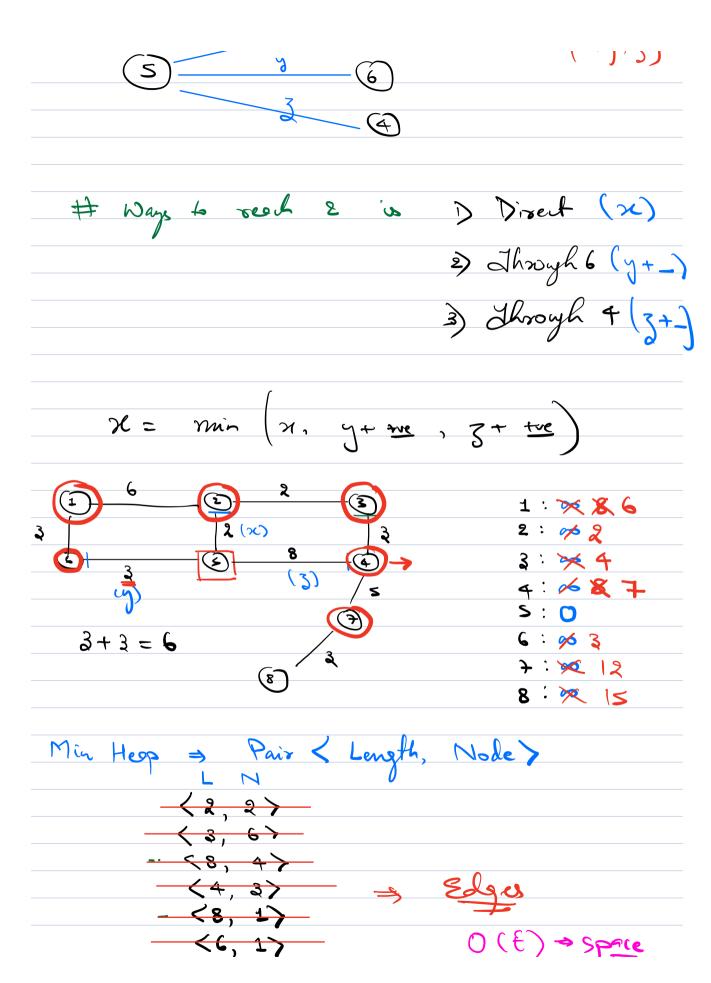


clse if (visited [v] == false) { of (iscyclic (v, u)) return false; $T.c. = O(v+\epsilon)$ Given an undirected/unveightel groph.

1







x-2 (1 = [x]tz1 d -i M h. insert (Paix <
)s-x, x>); 3 0 (V+ Elog E)

A-B

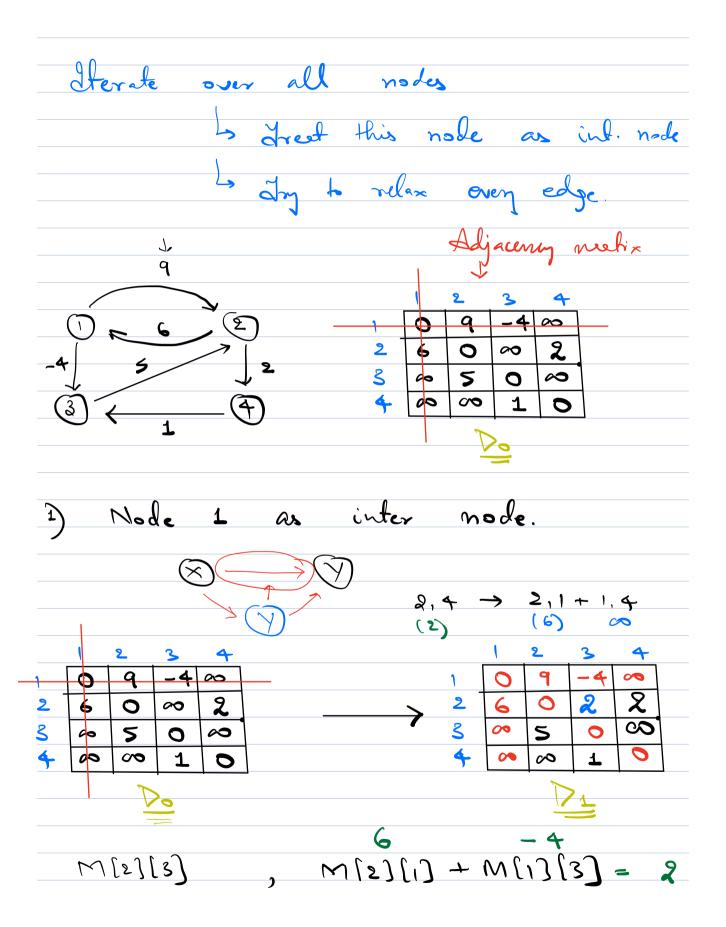
Relaxing an

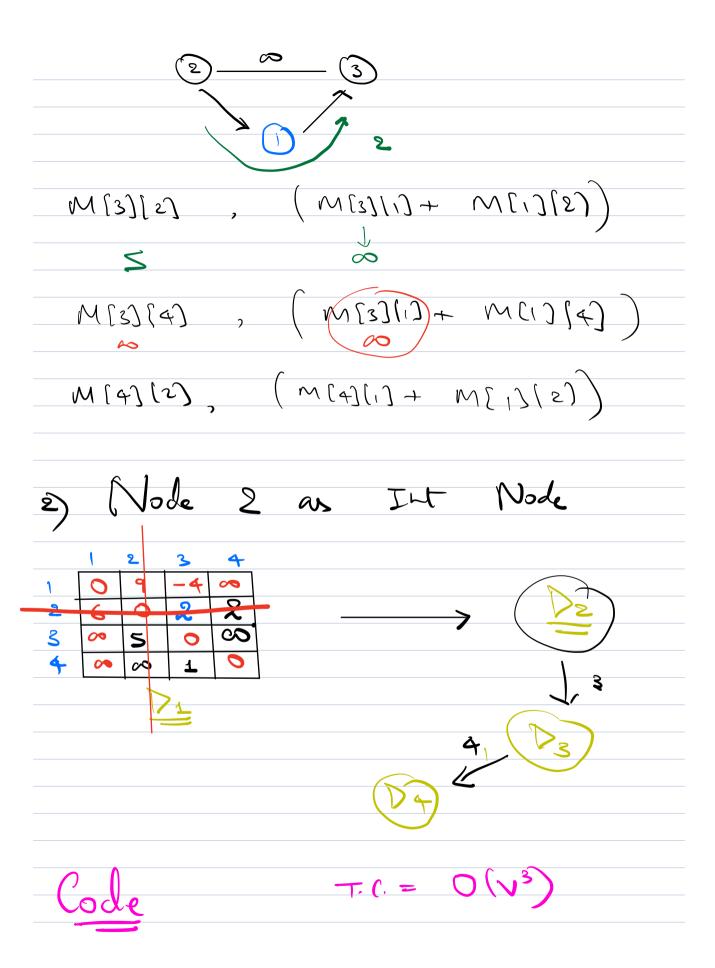
Cage

dac+dis & da-8

A floyd Warshall Algo.

I find min distance to reach any node from every node. O/P -> Matrix of size VXV Undirected -> -ve weight edge. A 2 8 -4 C 2-4-4=-6-4-4=-14 (No -ve weight cylle) 2 = -4 ~hen (i+V) x (i+V) (€ 9/0 D[i][j] > Min distance from i to j





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