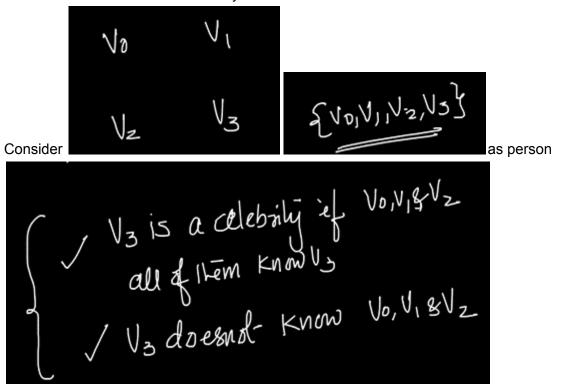
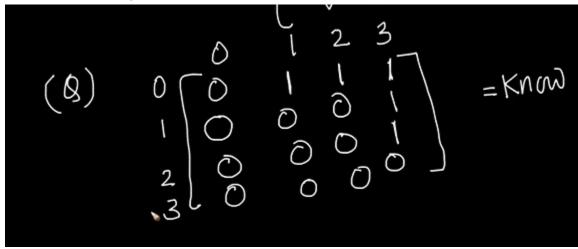
Celebrity Problem

1. Here a Person is said to be celebrity

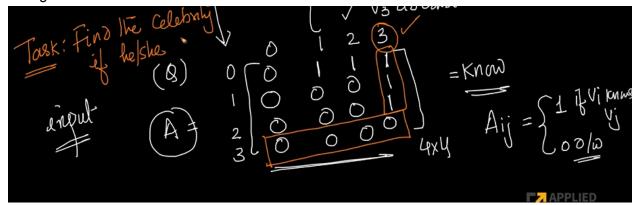


2. Lets build a knowing matrix

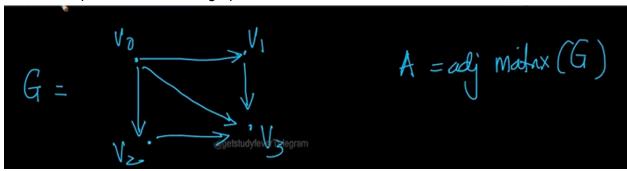


here v0 knows v1,v2 and v3....and v1 knows only v3 and v2 knows only v3 ..and v3 does not know anyone

3. Now given this matrix..we have to find the celebrities



- 4. Here we cna think problem as a adjacency matrix
- 5. Now we'll represent this info as graph

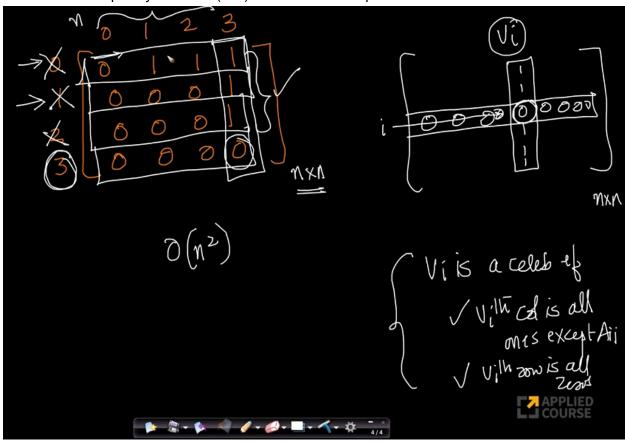


Brute force approach

1. Here in the brute force approach Vi is a celeb if



2. But the time complexity here is O(n^2) ..and its not the optimal solution



3.