**Spanning Tree**

Spanning Tree – A connected subgraph ‘s’ of graph G(V,E) is said to be spanning if and only if 1. ‘S’ should contain all vertices of ‘G’ 2. ‘S’ should contain ( |v – 1 |) edges

Matlab spanning tree jo hai wo ek tree hona cahiya iska matlab hai ki usme ek bhi loops nahi hona cahiye and usme sab trees ki property hona cahiye and wo connected hona chaiye wo ek graph ka subgraph hona cahiye jisme original graph ke sare vertices hone cahiye and vertices – 1 edges hona chaiye

Ab agar question aisa aaya hai ki ek complete graph diya hai and hume ye bata nahi ki uss graph me hum kitna spanning tree bana sakte hai to usme hum total (n^(n – 2)) spanning tree bana sakte hai but ye formula sirf complete graph me use kar sakte hai complete graph matlab suppose 4 vertices ka graph hai to uss 4 vertices ke graph me jitne edges possible hai utna hone cahiye wo hota hai complete graph and agar complete graph nahi hai and uska hume total number of spanning tree banana hai to hum yaha pe koi aur concept use karte hai krchof (ye naam confirm nahi hai ek baar check kar lena)

