26) Topological Sort (5) Not a solling algorithm Topological ordering of a directed acyclic glaph (PAG) as The linear oldering of M The rodes in the graph, such that if There is an edge from rode 2 to node y a should be placed before placing $\frac{Eg}{Osc} \longrightarrow OAR$ Copological order C. (++, DSC, DAA)

2 mothods to obtain topological ordering

NCC 2) Verten deletion method (Source removal method) DFS method First traverse the graph using DFS method

Vote down the older in which the nodes become the dead and (in note down the ropping order of the nodes) Reveled the hopping older we will get a se 214 d 3, 2____ Copping order :- a d ta Topological order rabde Popping order: e, f, g, h, c, a, d \$532 Topological order d, a, c, l, g, b, e

The procedure for this is

Note down the in degree of in the nodes Note down the in degree of all the nodes 2) Place the node / nodes which has indegree of Becrement the indegle of they node where there was an incoming edge from the hode blaced in step 2 (deleting the vertex)

I sheat step 2 & step 3 until all node are placed. $\lim_{x \to \infty} (x) = 0$ $\lim_{x \to \infty} (x) = 1$ $\lim_{x \to \infty} (x) = 1$ $\lim_{x \to \infty} (x) = 2$ $\lim_{x \to \infty} (x) = 2$ $\lim_{x \to \infty} (x) = 2$ Topological Oldes -> a N & c Topological orders

