## Lecture 16 - Depth First Search Pre-/Post-numbering



What is the meta-graph?
$\uparrow$


How can we find a vertex that belongs to the meta-yraph sink



Compute reach of A

$A$ is sink

We could find souk in $O(n+i n)$
$A$ find $\operatorname{scc} A$
Mark $A, B, C, D, E$ as SCC was visited

I find see I maw as visited
$F$ find $S \in C\{E, F\}$ $\mu$ ark $F_{C} G, l t$ as visited


