



Pre order: a b d c e i n o k h l p f g j m

Post order: b a c d h p l k o n i e g f m j

there are 3 source vertices (e, f, j) and 3 sink vertices (b, c, p)

$\therefore$  this is a DAG, also there exists a topological ordering

topological ordering: j m f g e i n o k l p h d c a b