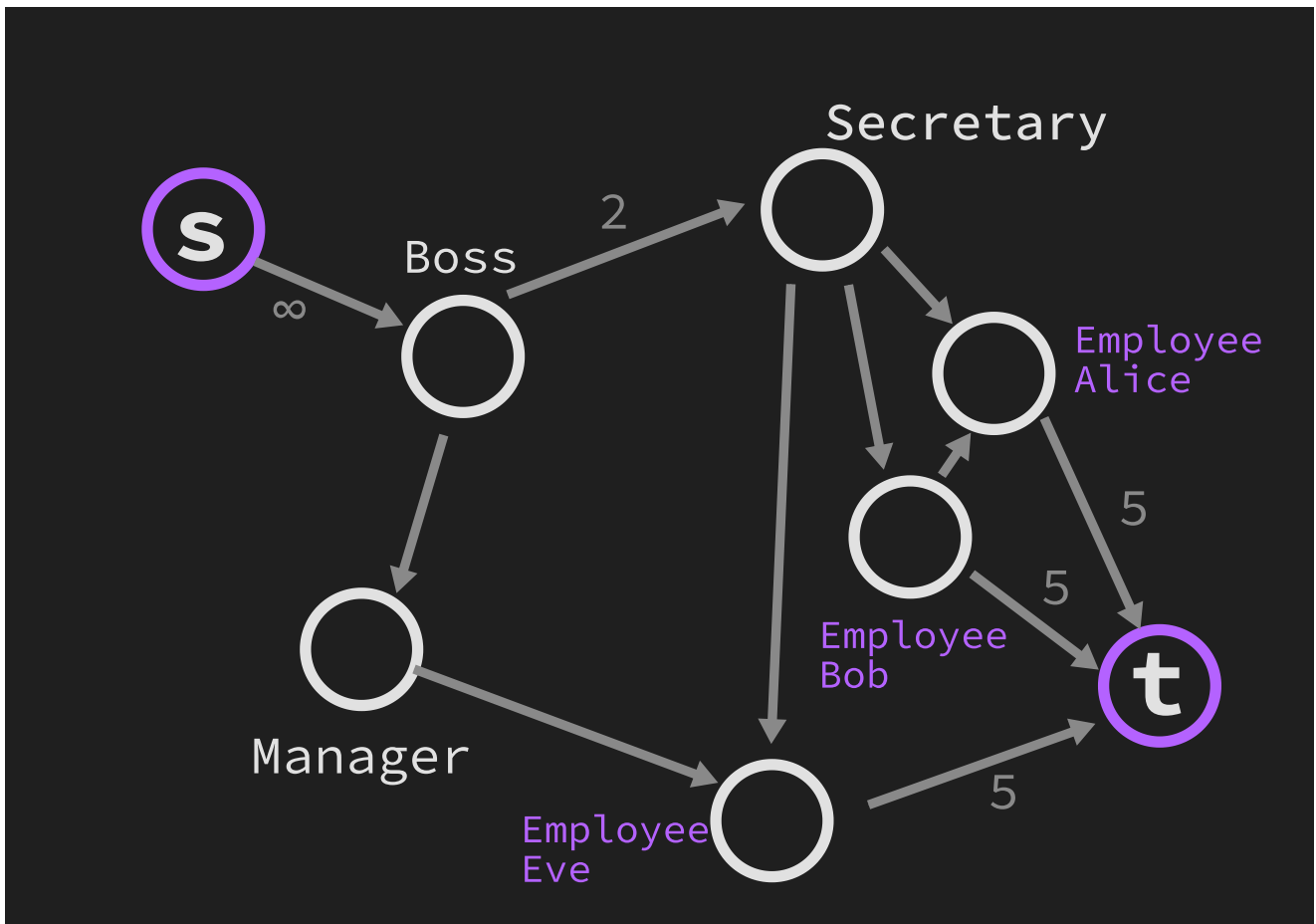


exercise 1d.3 Flow Networks

We model a work environment. The boss(es) and employees are nodes. The flow is tasks that need to be done. The nodes are connected according to who comes up with tasks and delegates them to who. If someone actually executes a task and it is "done", that flow goes to the target node.



3.1

Execute the [Ford Fulkerson Algorithm](#). Assume that all edges that have no label have a capacity of $c(e) = 1$

What is the maximum capacity of the network?

3.2

Who is the most vulnerable/critical node?

What observations can you make about how work is shared in this workplace? What social assumptions did this exercise make?