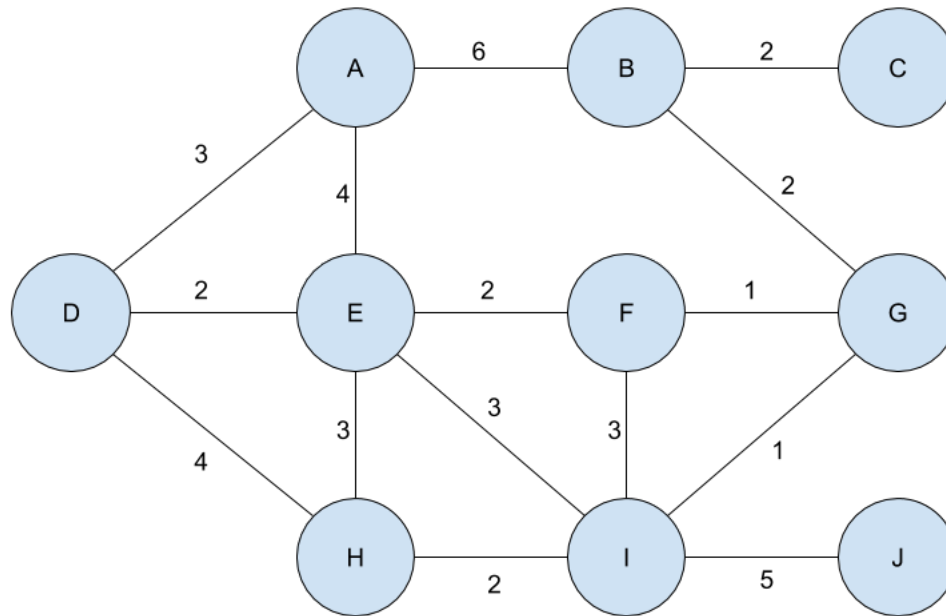


1 Multicast



For parts A and B, use DVMRP Multicast.

1. Assume that nodes D, H, J are members of a multicast group M. If C sends a packet to that group, what path does the packet take to reach H?
2. Does that path change if F joins the group? If so, what is the new path?

Now assume we're using CBT with B as the initial core and no group members.

1. Suppose J joins the group initially. What path does its join message take?
2. Five minutes later, after J's successful join, suppose H joins the group. What path does its join message take?
3. Five minutes later, after H's successful join, suppose D joins the group. What paths does its join message take?
4. Suppose H sends a multicast packet to its fellow group members, J and D. What path does the message take?
5. Suppose that C was the core instead. What would the path from the previous part have been?