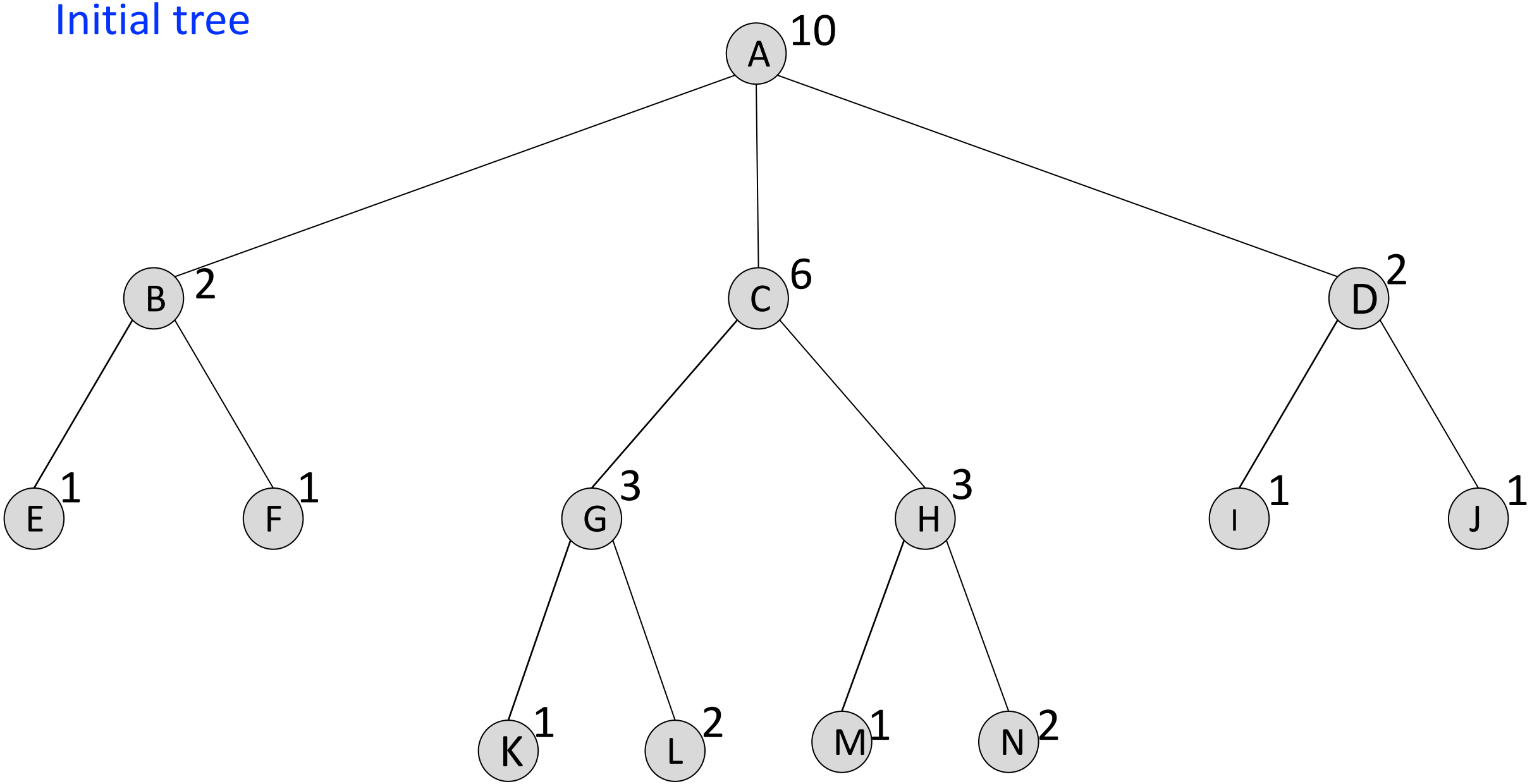
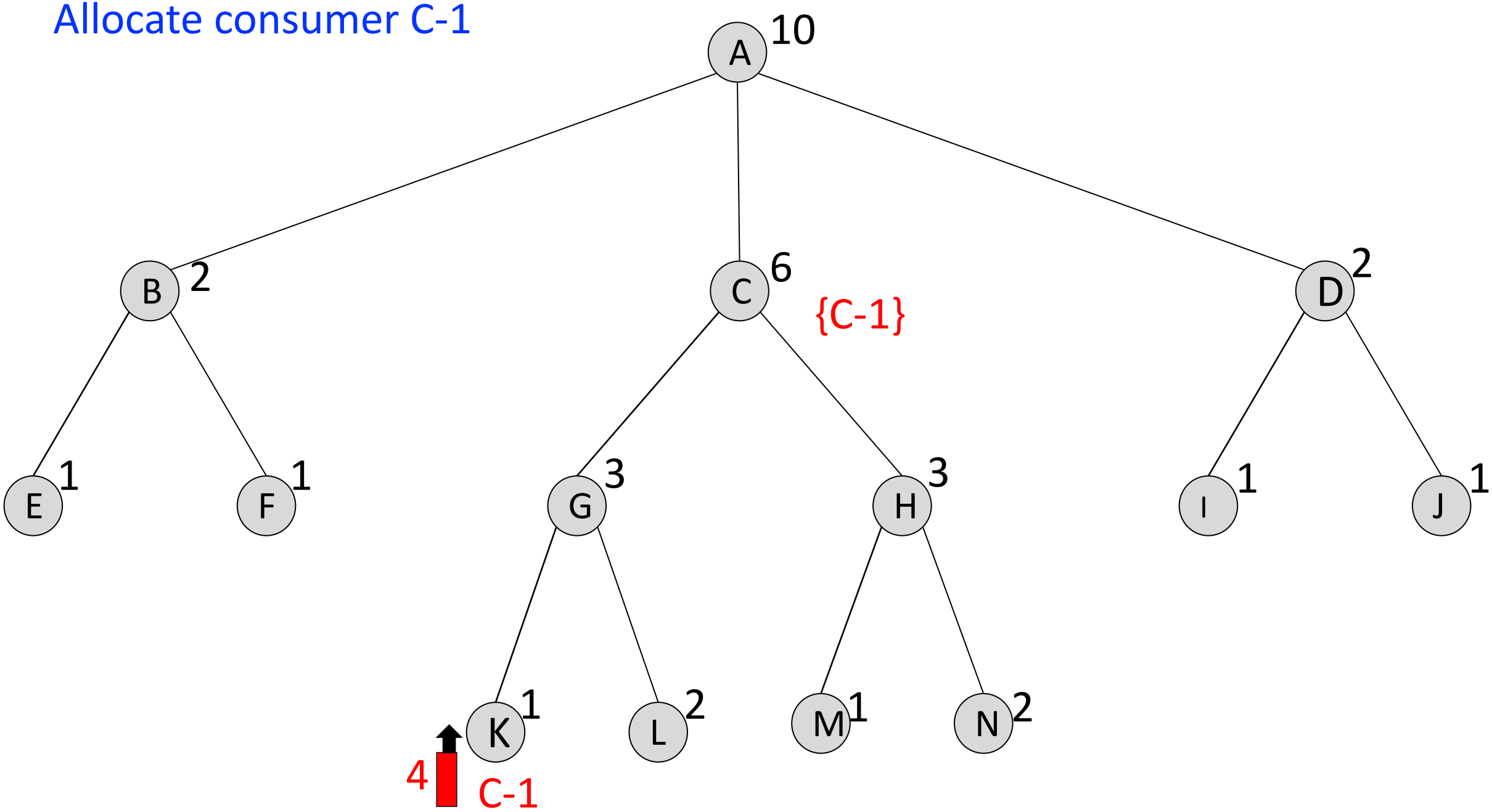
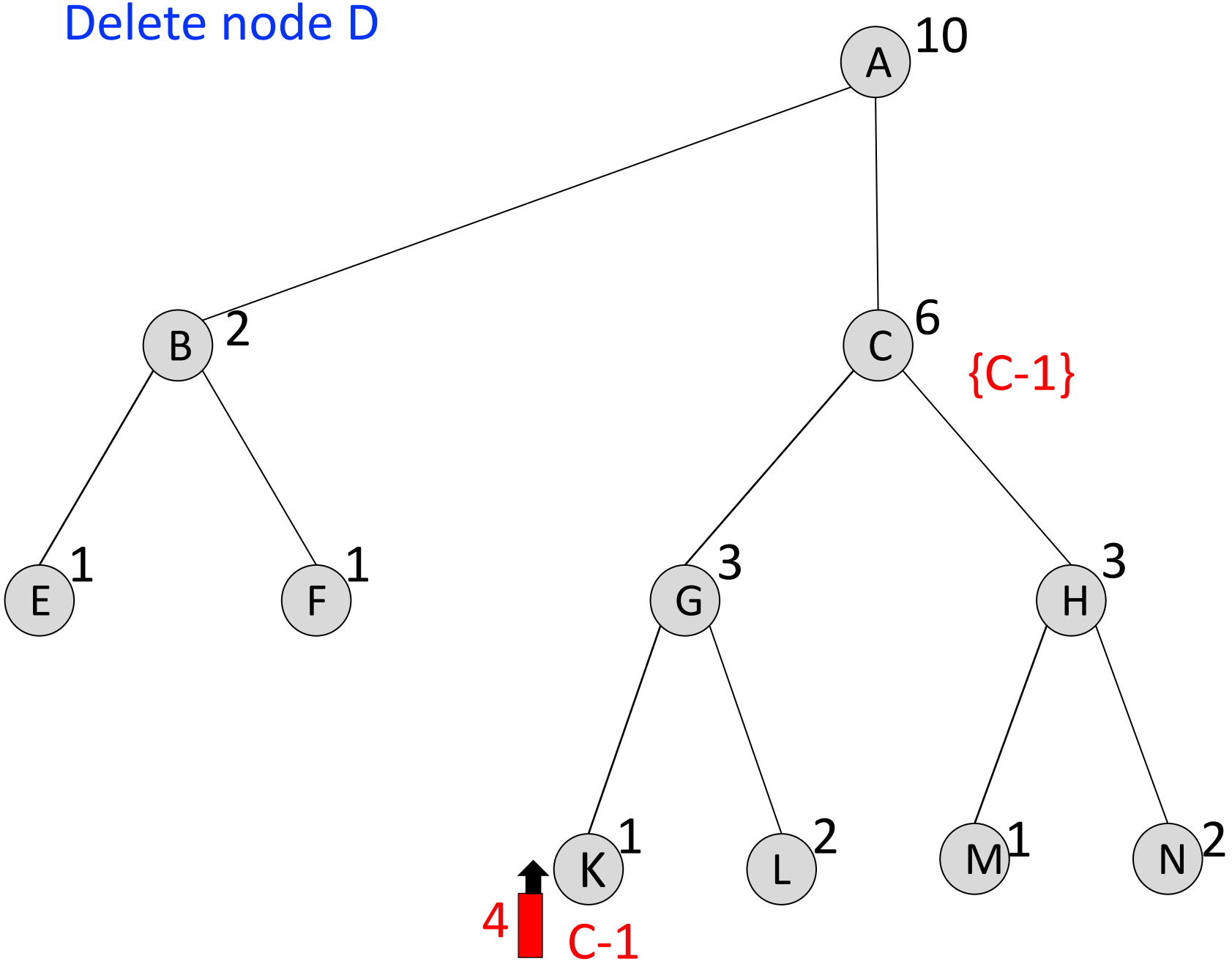
Initial tree



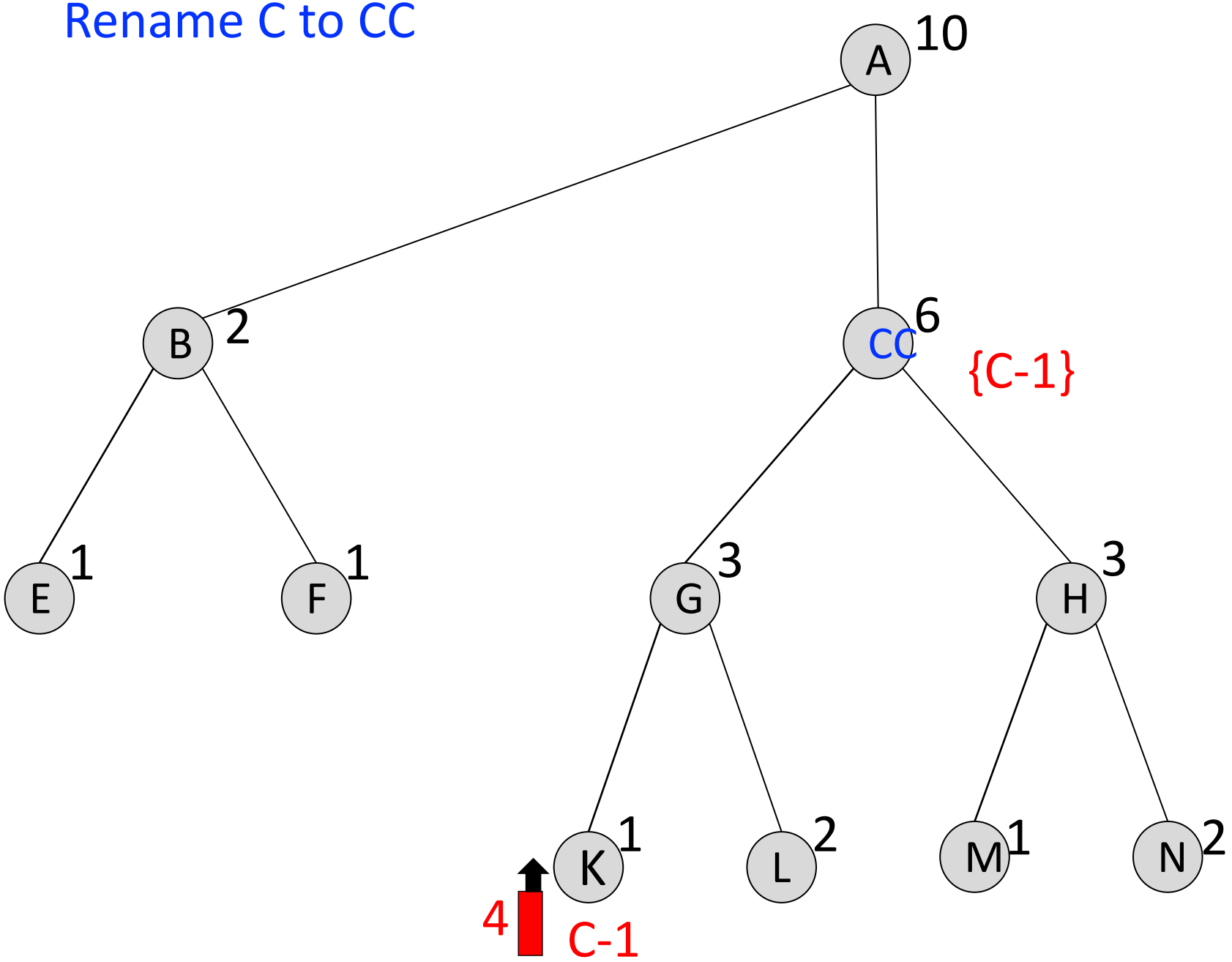
Allocate consumer C-1



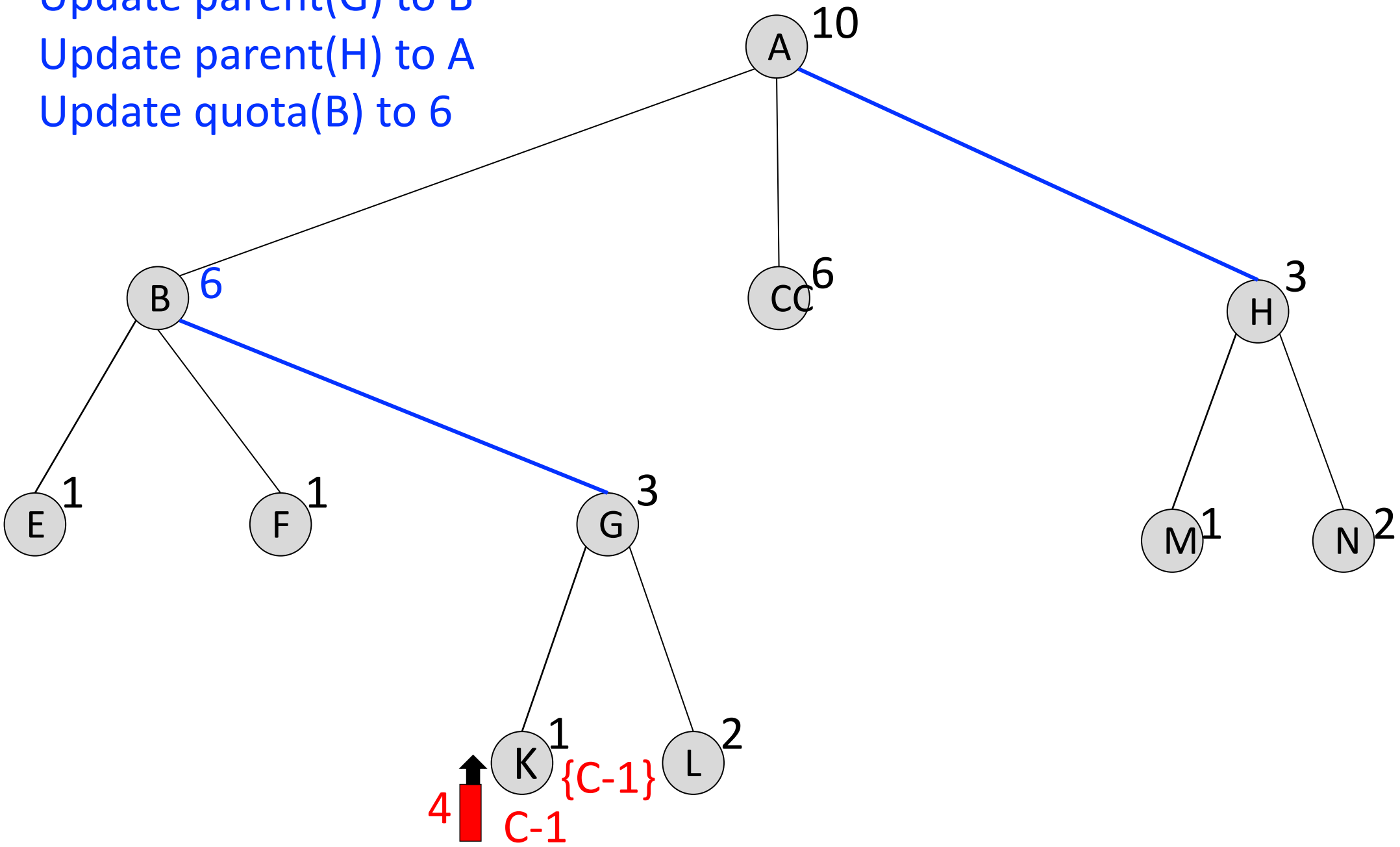
Delete node D



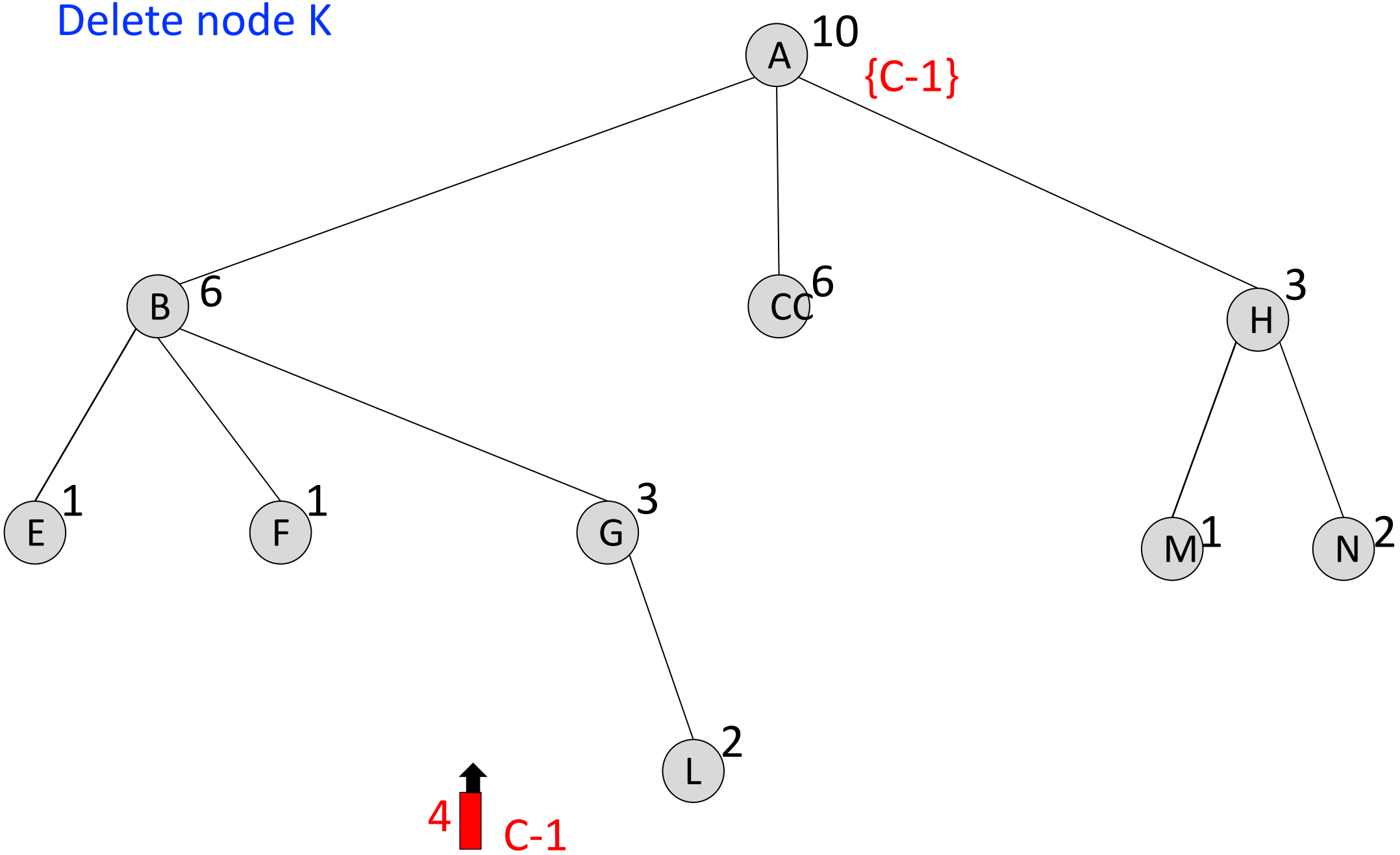
Rename C to CC



Update parent(G) to B
Update parent(H) to A
Update quota(B) to 6

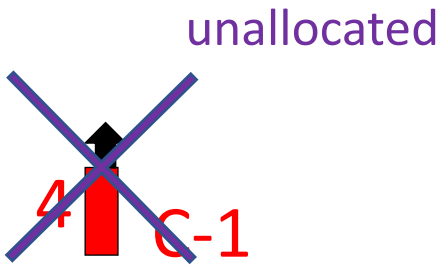


Delete node K



Delete node A

Empty tree



De-allocate consumer C-1

Empty tree

unknown consumer