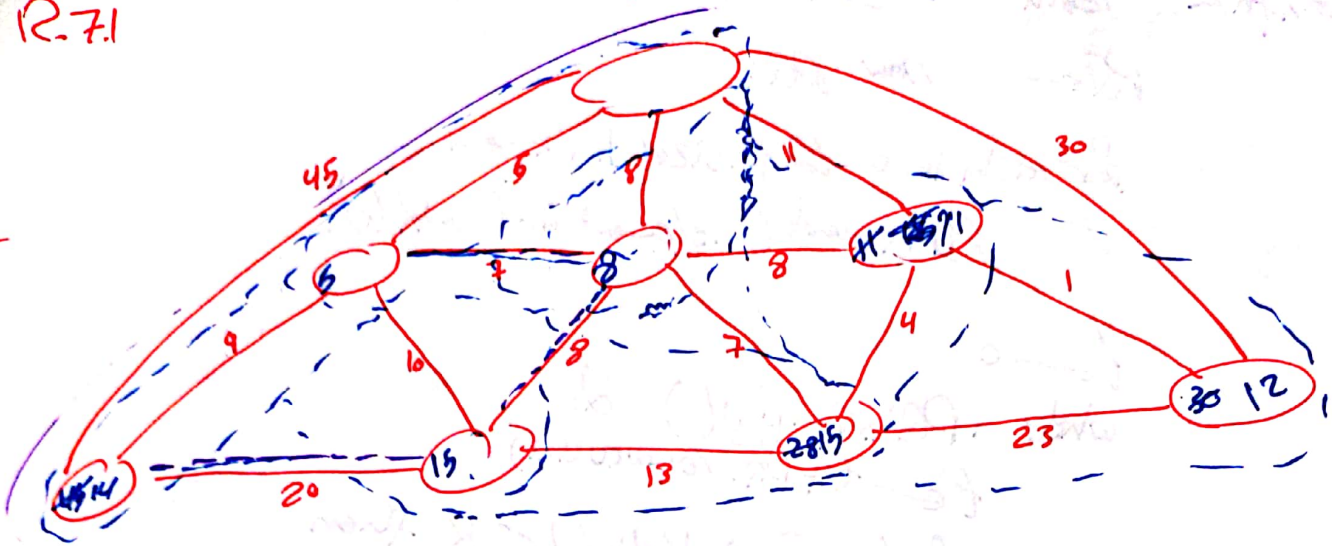
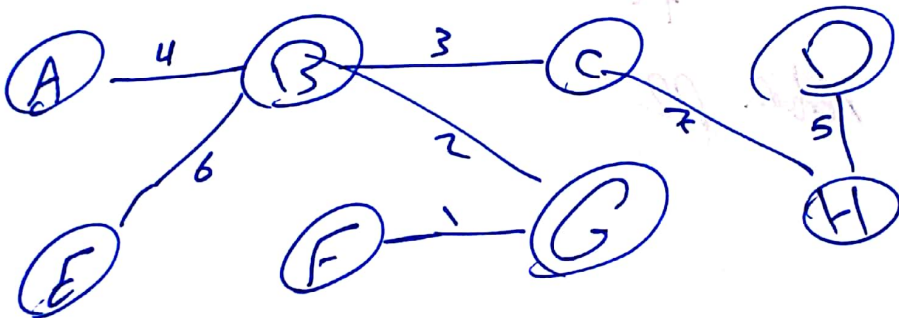
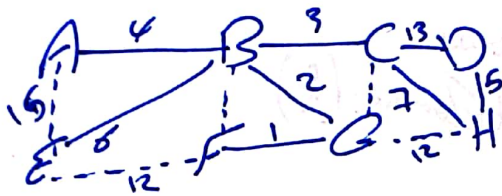


Assignment 14

R-7.1



R-7.9



Algorithm $\text{rebuildWater}(P, K)$

$PQ \leftarrow \text{new PQ}$

for each $i \leftarrow 0$ to $P.\text{size}() - 1$ then

$PQ.\text{insert}(P.\text{elementAt}(i))$

$t \leftarrow 0$

while $\neg PQ.\text{isEmpty}()$ do

$t \leftarrow t + PQ.\text{remove}()$

if $t + PQ.\text{peek}() < K$ then

$P2.\text{insertElement}(t)$

Continue

$P2.\text{insertElement}(t)$

$t \leftarrow 0$

return $P2$