
augment(f, P)

Let $b = \text{bottleneck}(P, f)$

For each edge $(u, v) \in P$

 If $e = (u, v)$ is a forward edge then

 increase $f(e)$ in G by b

 Else $((u, v)$ is a backward edge, and let $e = (v, u)$)

 decrease $f(e)$ in G by b

 Endif

Endfor

Return(f)
