FORD-FULKERSON(G, s, t)

1 **for** each edge $(u, v) \in G.E$
2 $\quad (u, v).f = 0$
3 **while** there exists a path p from s to t in the residual network G_f
4 $\quad c_f(p) = \min\{c_f(u, v) : (u, v) \text{ is in } p\}$
5 $\quad$ **for** each edge (u, v) in p
6 $\quad\quad$ **if** $(u, v) \in G.E$
7 $\quad\quad\quad (u, v).f = (u, v).f + c_f(p)$
8 $\quad\quad$ **else** $(v, u).f = (v, u).f - c_f(p)$
9 **return** f