Scaling Max-Flow

Initially $f(e) = 0$ for all e in G

Initially set Δ to be the largest power of 2 that is no larger than the maximum capacity out of s: $\Delta \leq \max_{e \text{ out of } s} c_e$

While $\Delta \geq 1$

Δ-scaling phase

While there is an s–t path in the graph $G_f(\Delta)$

$\leq 2m$ iterations

Let P be a simple s–t path in $G_f(\Delta)$

$f' = \text{augment}(f, P)$

Update f to be f' and update $G_f(\Delta)$

Endwhile

$\Delta = \Delta/2$

Endwhile

Return f