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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: Δ ≤ max_{e out of s} c_e
    While Δ ≥ 1
       While there is an s-t path in the graph G_f(Δ)
          Let P be a simple s-t path in G_f(Δ)
          f' = augment(f, P)
          Update f to be f' and update G_f(Δ)
       Endwhile
       Δ = Δ/2
    Endwhile
Return f
```