Max_Flow- (6 (U,E), C, S,+) C(m) for all eff f(e)=50 D = largest pow. of two that is logs than Cmax while (0 =1) Stile (3 Path 1: Sout)

Stile (3 Path 1: Sout)

Suppolate Go(n)

1 = 0/2 (1) return f

 $V_{A}(f) = \sum_{i=1}^{n} f(e)$ $V_{A}(f) = \sum_{i=1}^{n} f(e) - \sum_{i=1}^{n} f(e)$ $V_{A}(f) = \sum_{i=1}^{n} f(e)$ $V_{A}(f)$

= Cap(A1R) - MA

A) min path flow = A

B) by the end of an iteration $v(f^*) \leq v(f) + \Delta m$??

at the begins

at the beginning of an iteration $V(f^*) \leq V(f) + m\Delta^*$ $V(f^*) \leq V(f) + 2m\Delta$ $\Rightarrow \text{for every } \Delta, \text{ at most}$

=> Max # Paths = 2m log C => O (m² log c)

v(f*)-ma