Exit Time

Let $C = S \backslash A = S \cap A'$ be finite

states

$P_i(U_A < \infty) > 0$, $P(U_A < \infty \mid X(0) = i) > 0$
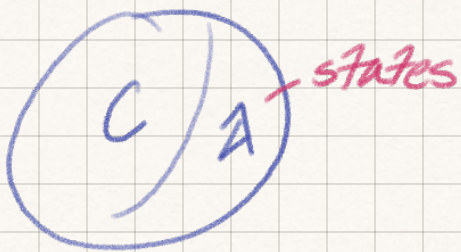
mob to reach A in finite time if you started @ state i

$E(\text{time})$ to exit states C if you started @ $i \in C$ $g(i)$

$g(i) = E_i U_A$

$v_i \, g(i) = v_i \left[\frac{1}{v_i} + \sum_{j:j} \right.$