

non-Markov Chain

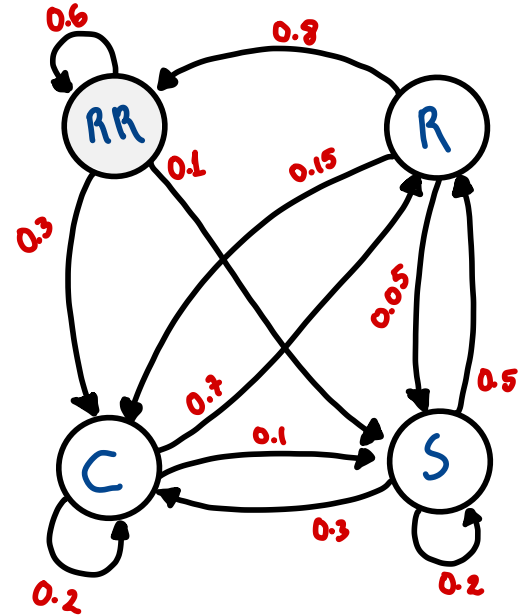
$$P[C | R, R] = ?$$

$P[C | R, R]$



Markov chain

$$P[C | RR]$$



to complete the Markov, we need to
add more states ($K=2$): RR, RC, RS, CR, CC, CS, SR, SC, SS