

ARRIVALS MODELLED AS POISSON PROCESS

EXACTLY 10 ARRIVALS IN ONE HOUR

WHAT IS PROB. OF EXACTLY 3 ARRIVALS
OUT OF THE 10 IN THE FIRST 15 MINUTES?

SOLUTION: BINOMIAL

$$\binom{10}{3} \left(\frac{1}{4}\right)^3 \left(\frac{3}{4}\right)^7$$

