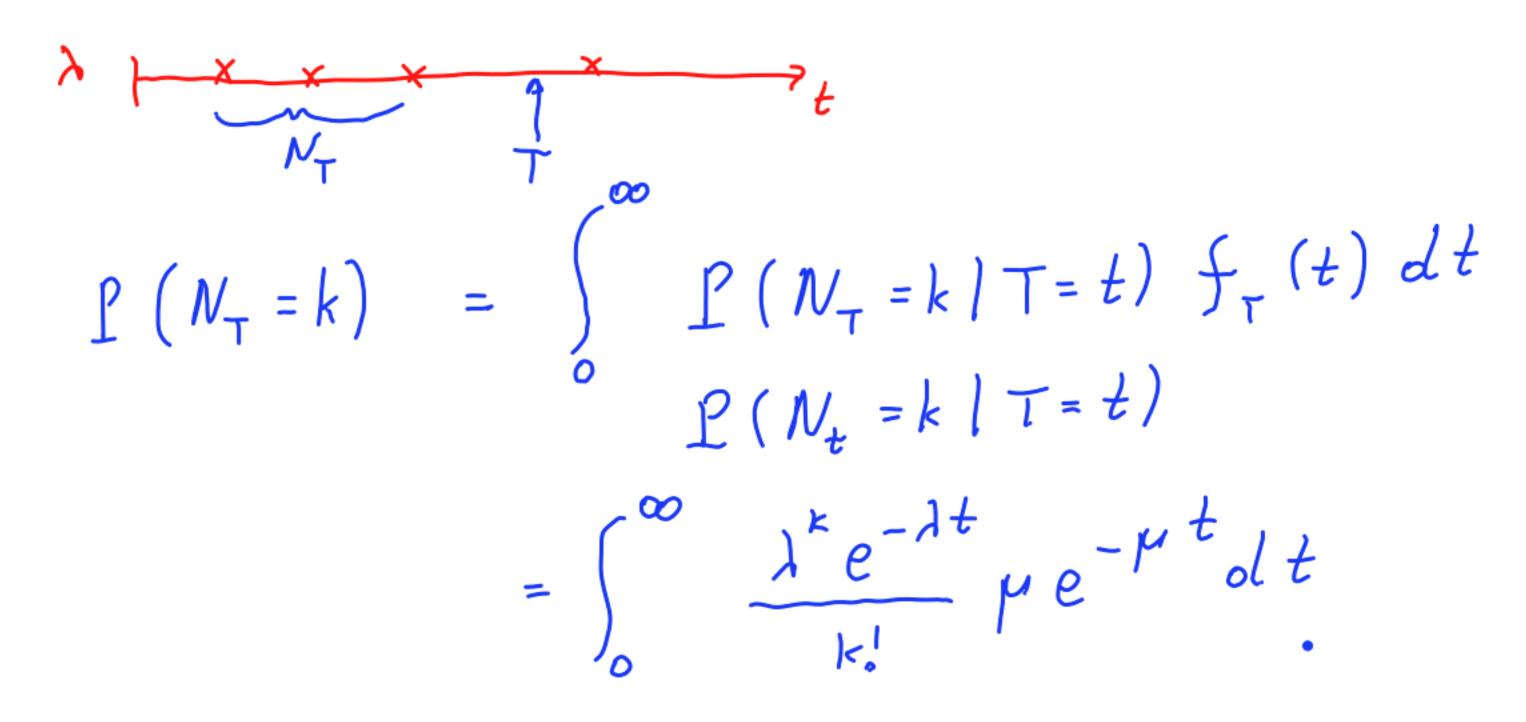
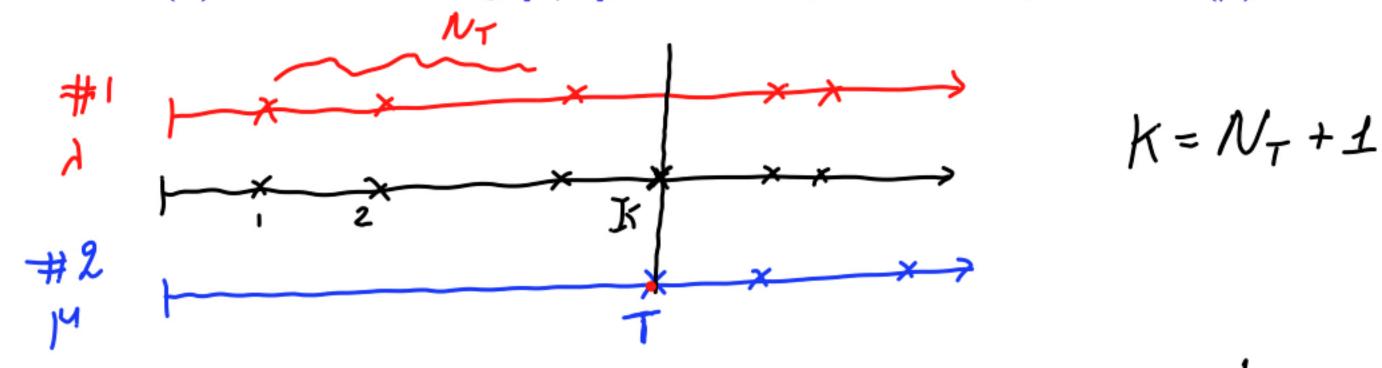
Poisson(λ) arrivals during [0, T]; T: independent exponential(μ)



Poisson(λ) arrivals during [0, T]; T: independent exponential(μ)



Arrival in merged processe trial "success" if it comes from blue K = # t rials till success

? (Success) = M independent

Geometric with parameter $\mu/(\lambda + \mu)$