At~ | Exponential (rate= BSF+8I) recovery fransmission GILLESPIE ALGORITHM: REED-FROST: TOTAL PATE = PSI + XI event continuous time, discrete state, stochastic discrete time, discrete state, stochastic とったナムな at so I-I-1 エマエナユ transitions 5-8-1 transm: PSI/total recovery: 8I/total : mean time = Poisson 4 binomial neg binomialt lim rate. At る方、 Prob(event) = 11 Feb 2021 $\frac{1}{24} = \beta SI$ 12 - 15g = 170

X = random uniform (0) total rack) loop over rules: > 15 X < rate(i)? $\chi = \chi - ret(i)$ じっじゃし > de transition

implement on computer: