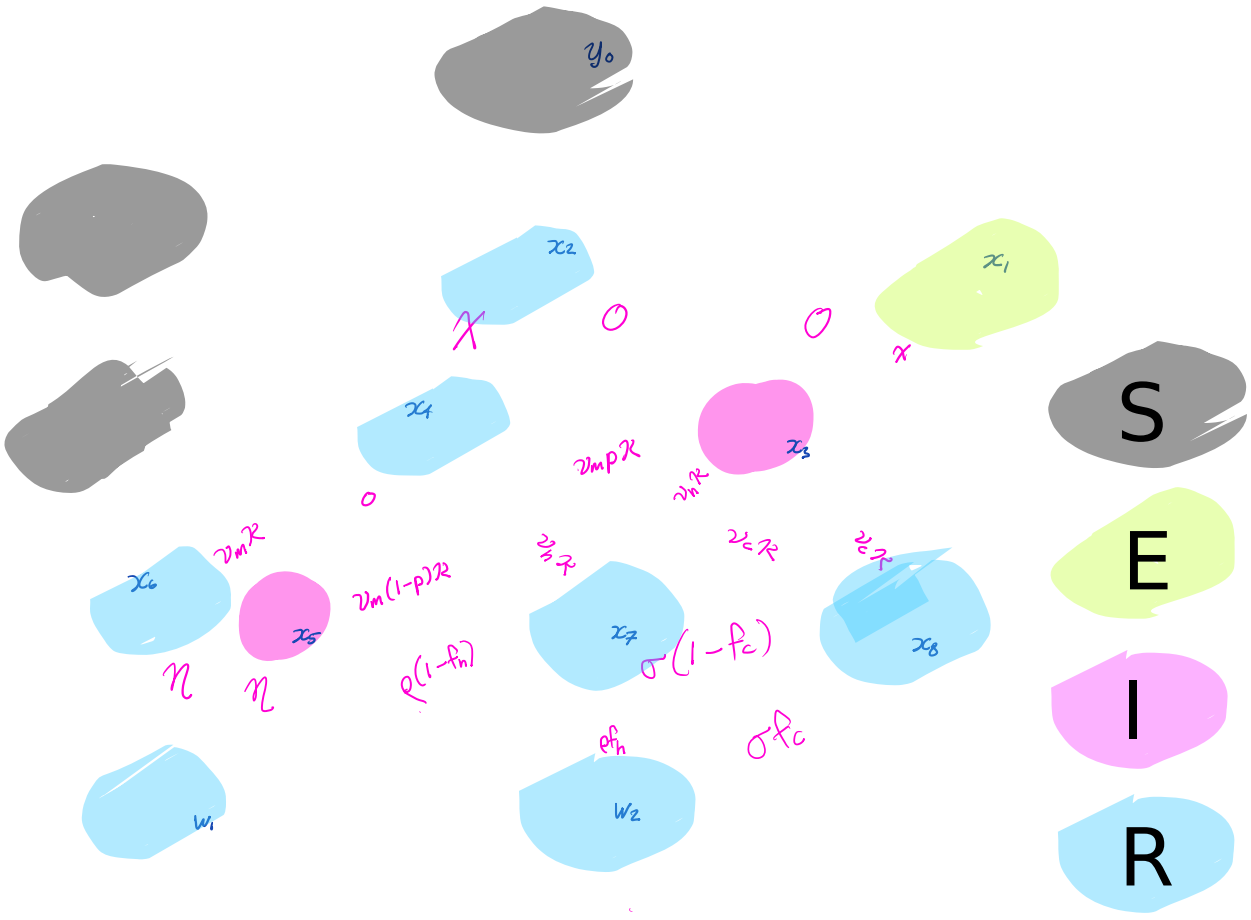

$\chi = 2/5$
$\kappa = 2/5$
$\varrho = 1/10$
} transition prob per day

$\sigma = 1/10$

$\nu_m = 0.960$
$\nu_c = 0.006$
$\nu_h = 0.034$
} $\nu_m + \nu_c + \nu_h = 1$

$f_c = 1/2$

$f_h = 1/10$

$p = 0.27$

$q = 0.07$

Note: only x_3 & x_5 can contribute to new infections

Also note: new infections land into x_1 or x_2 with probability $(1-q)$ and q, respectively