average number of infecteds versus time p1 =0.00 , p2 =0.00, β = 0.3 p1 =0.01 , p2 =0.00, β = 0.3 350 p1 = 0.03, p2 = 0.00, $\beta = 0.3$ p1 =0.05 , p2 =0.00, β = 0.3 --- p1 =0.07 , p2 =0.00, β = 0.3 300 --- p1 =0.10 , p2 =0.00, β = 0.3 --- p1 =0.15 , p2 =0.00, β = 0.3 --- p1 =0.20 , p2 =0.00, β = 0.3 250 p1 = 0.25, p2 = 0.00, $\beta = 0.3$ 200 150 100 50 0 10 50 80 20 70 30 60 40 0 time