```
infectedPerson.state = 3 #
                              self.infected -= 1
         day += 1
matplot.plot(day, self.infected)
     def initialInfectedNodes(self, graph, plist):
    for v in range(plist.size()):
        x = plist.get(v)
            neighbors = graph.out_edges(v)
if random.randint(0,20) < self.initialSet:</pre>
                x.state = 1
                self.infected += 1
                for neighbor in range(neighbors.size()):
    if graph.has_edge(v, int(neighbor)):
        neighbor.recover = recovDays
                x.state = 0
                self.clean += 1
     covid19 = covid19_Simulation()
al = DLList.DLList()
for population in range(covid19.people):
    person = Person()
         al.append(person)
     g1 = AdjacencyList.AdjacencyList(covid19.people)
     g2 = AdjacencyList.AdjacencyList(covid19.people)
     covid19.getInteractionGraph(g1,al)
covid19.initialInfectedNodes(g1,al)
covid19.simulation(g1,0,al)
matplot.show()
 main()
= RESTART: /Users/berry/Desktop/GitHub/School-Programs/CECS274/skeleton/covid19.py
DAY: 0 CLEAN: 9520 INFECTED: 480
DAY: 1 CLEAN: 9273 INFECTED: 727
DAY: 2 CLEAN: 9042 INFECTED: 958
DAY: 3 CLEAN: 8803 INFECTED: 1197
DAY: 4 CLEAN: 8558 INFECTED: 1442
DAY: 5 CLEAN: 8314 INFECTED: 1686
DAY: 6 CLEAN: 8079 INFECTED: 1921
DAY: 7 CLEAN: 7826 INFECTED: 2174
DAY: 8 CLEAN: 7579 INFECTED: 2421
DAY: 9 CLEAN: 7326 INFECTED: 2674
DAY: 10 CLEAN: 7098 INFECTED: 2902
DAY: 11 CLEAN: 6877 INFECTED: 3123
DAY: 12 CLEAN: 6649 INFECTED: 3351
DAY: 13 CLEAN: 6431 INFECTED: 3569
DAY: 14 CLEAN: 6169 INFECTED: 3831
DAY: 15 CLEAN: 5918 INFECTED: 4082
DAY: 16 CLEAN: 5685 INFECTED: 4315
DAY: 17 CLEAN: 5465 INFECTED: 4535
DAY: 18 CLEAN: 5232 INFECTED: 4768
DAY: 19 CLEAN: 4995 INFECTED: 5005
DAY: 20 CLEAN: 4762 INFECTED: 5238
DAY: 21 CLEAN: 4515 INFECTED: 5485
DAY: 22 CLEAN: 4269 INFECTED: 5731
DAY: 23 CLEAN: 4019 INFECTED: 5981
DAY: 24 CLEAN: 3781 INFECTED: 6219
DAY: 25 CLEAN: 3550 INFECTED: 6450
DAY: 26 CLEAN: 3291 INFECTED: 6709
DAY: 27 CLEAN: 3055 INFECTED: 6945
DAY: 28 CLEAN: 2827 INFECTED: 7173
DAY: 29 CLEAN: 2593 INFECTED: 7407
DAY: 30 CLEAN: 2338 INFECTED: 7662
```

