2

Write a program that calculates the stuff:

|  |
| --- |
| import sys;  import math;  s = [0, 15, 20, 10, 13, 14, 11, 16]  T = 2  for t in range(1, 8):  for diff in range(-2, 3):  if diff != 0:  nxt\_ind = ((t + diff - 1) % 7) + 1  if s[nxt\_ind] - s[t] > 0:  sys.stdout.write("From %s to %s, transit prob = %f\n" % (t, nxt\_ind, math.exp(-(s[nxt\_ind] - s[t])/T)))  else:  sys.stdout.write("From %s to %s, transit prob = %f\n" % (t, nxt\_ind, 1.0)) |

From 1 to 6, transit prob = 1.000000

From 1 to 7, transit prob = 0.367879

From 1 to 2, transit prob = 0.049787

From 1 to 3, transit prob = 1.000000

From 2 to 7, transit prob = 1.000000

From 2 to 1, transit prob = 1.000000

From 2 to 3, transit prob = 1.000000

From 2 to 4, transit prob = 1.000000

From 3 to 1, transit prob = 0.049787

From 3 to 2, transit prob = 0.006738

From 3 to 4, transit prob = 0.135335

From 3 to 5, transit prob = 0.135335

From 4 to 2, transit prob = 0.018316

From 4 to 3, transit prob = 1.000000

From 4 to 5, transit prob = 0.367879

From 4 to 6, transit prob = 1.000000

From 5 to 3, transit prob = 1.000000

From 5 to 4, transit prob = 1.000000

From 5 to 6, transit prob = 1.000000

From 5 to 7, transit prob = 0.367879

From 6 to 4, transit prob = 0.367879

From 6 to 5, transit prob = 0.135335

From 6 to 7, transit prob = 0.049787

From 6 to 1, transit prob = 0.135335

From 7 to 5, transit prob = 1.000000

From 7 to 6, transit prob = 1.000000

From 7 to 1, transit prob = 1.000000

From 7 to 2, transit prob = 0.135335