

If a car enters town A, it moves to B or C, then to D, E, or F, and proceeds through the network reaching P. The car leaves one town going to either of two destination towns according to probabilities in the following table:

[illegible][illegible]

Write a program to simulate traffic flow with 10,000 cars. Calculate the average transit time from A to P and calculate the standard deviation.

Run this program 10 times and compute the average transit time for 100,000 cars and the standard deviation.

Compare the 10 runs of 10,000 with the one run of 100,000.