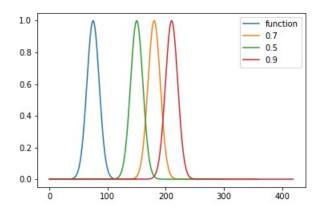
Problem 4

Graph 1: Correlation function and Different shifts.



I decided to add 2x shift amount of zeros to make sure there was no wrep.
Thus, length of output array will wang

for 0.7:360 0.5:300

0.9:420

Original function has length 150