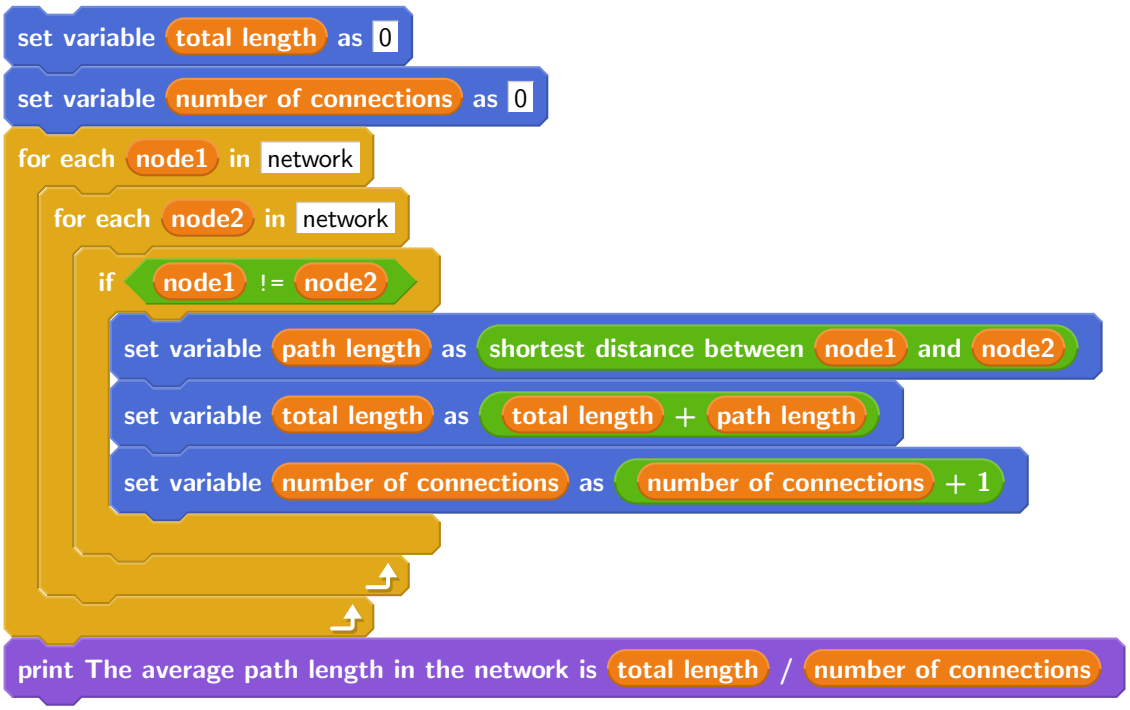
set variable total length as 0
set variable number of connections as 0
for each node1 in network
for each node2 in network
if node1 != node2
set variable path length as shortest distance between node1 and node2
set variable total length as total length + path length
set variable number of connections as number of connections + 1
print The average path length in the network is total length / number of connections