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Flow Chart

Iterate from probability values p = 0.02 to 1.0, incrementing by 0.02

For each probability value p, start another subroutine for the number of simulations say simulation = 0 to 1000

The final iteration is for each packet, so in this simulation there are ten, slot index = 0, 1,…, 9, 10

If random\_num < p packet\_arrived++

Test all packets for busy/ dropped.

If packet\_arrived > 3: packet\_forwarded = packet\_arrived – 3 and packed\_forwarded = 3

Gather information:

avg\_dropped = total\_dropped / num\_simulations.

avg\_forwarded = total\_forwarded / num\_simulations

Plot Values against probability p