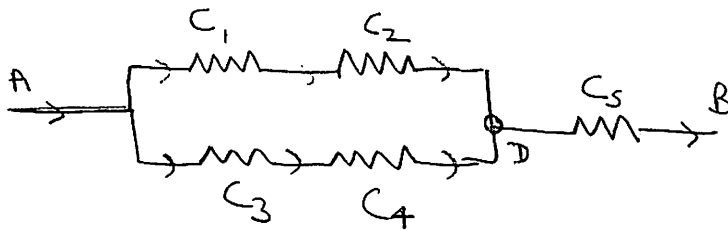


Consider the circuit pictured below.



Components C_1, C_2, C_3, C_4, C_5 independently
can fail with probabilities p_1, p_2, p_3, p_4, p_5 , respectively.

Current will flow from A to B if there is
a path from left to right for current to
flow through non-failed components.

What is the probability that current flows
from A to B?

Hint: First compute the probability that
current flows from A to D.