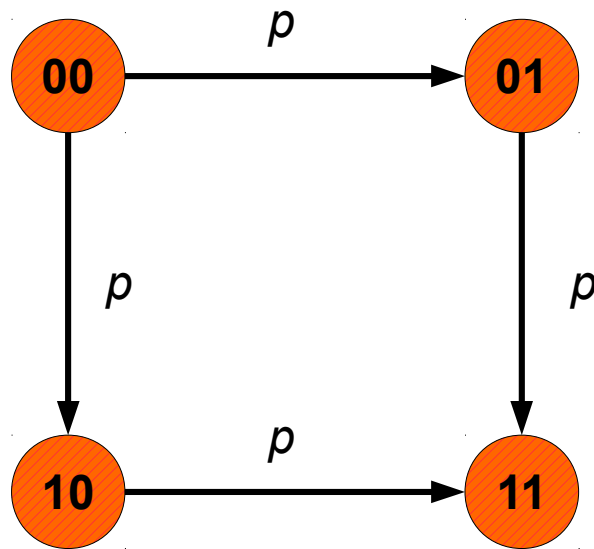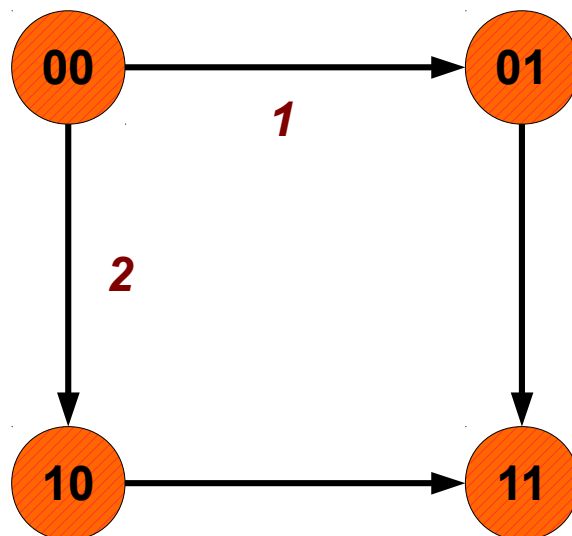# PROBLEM

Link's failure probability: p
Probability of $(00) \rightarrow (11)$ = ?

Node 00 only knows the failure
status of link (1) and (2)

ROUTING POLICY

direction

00 → 01

10 → 11

direction

00 → 01

failed

10 → 11

failed

00 → 01

direction

10 → 11