

This is communication:

If Bob blocks photons, D_2 clicks.

If Bob permits photons, D_1 clicks.

Bob can transfer information to Alice.

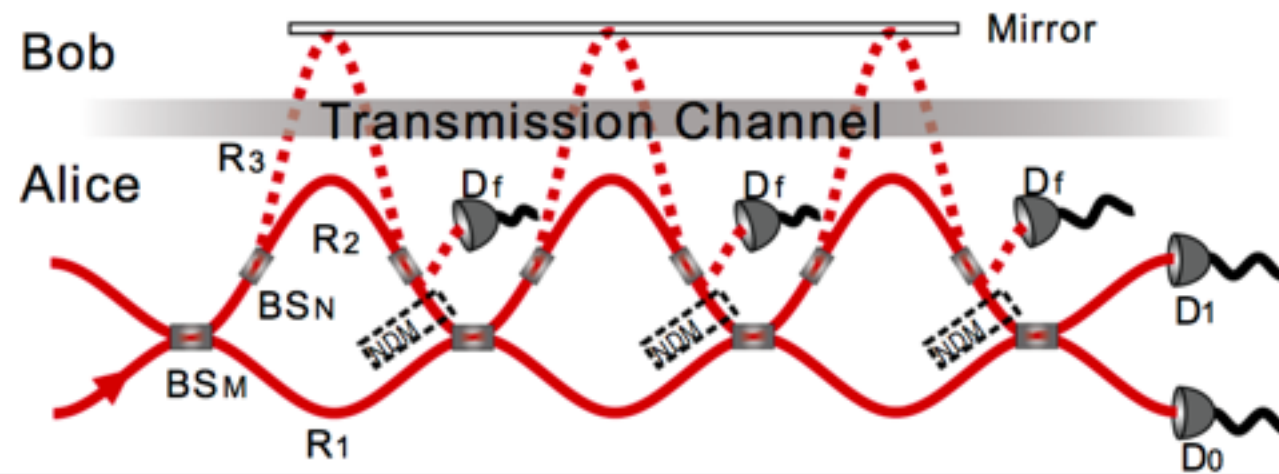
This is counterfactual:

If Bob blocks photons, all photons in transmission channel were blocked.

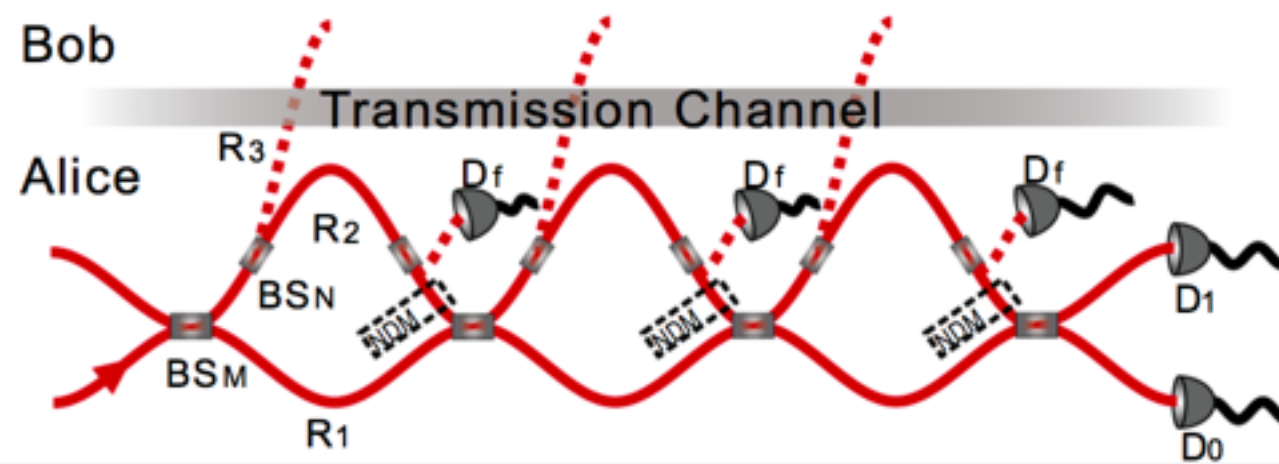
If Bob permits photons, all photons in transmission channel hit one of the D_3 detectors.

No path takes a photon through the transmission channel and leads to a click at either D_1 or D_2 .

A $M = 4$ $N = 2$



B $M = 4$ $N = 2$



C

