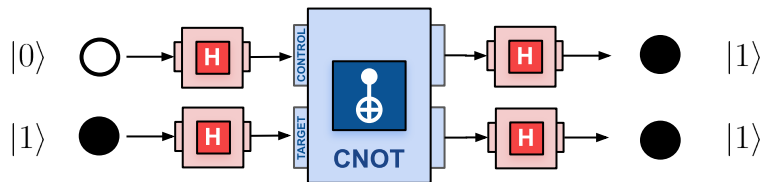# PHASE KICKBACK

(True / False) The control of a C-NOT never changes color (i.e., probability of measuring 0 or 1).
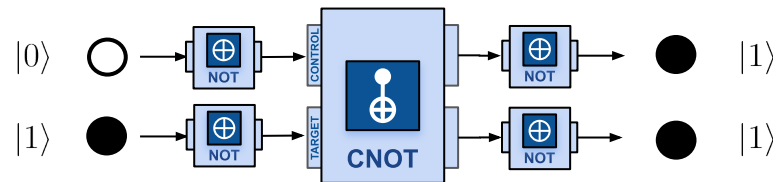
(True / False) The control of a C-NOT never changes any aspect of state (color or phase).

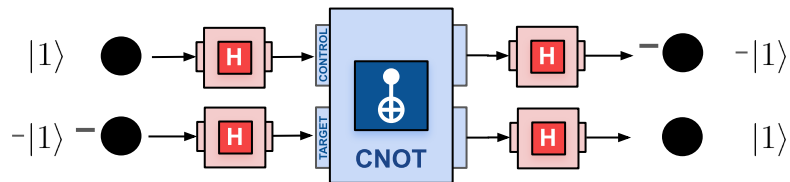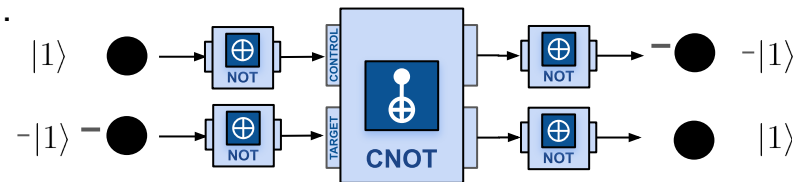# Which is the phase kickback circuit?

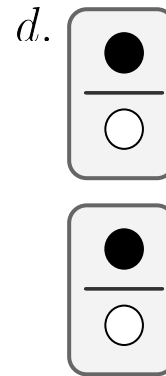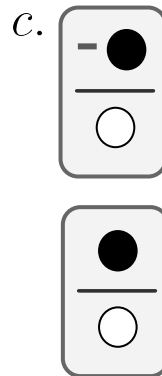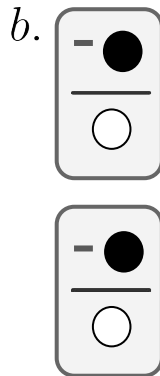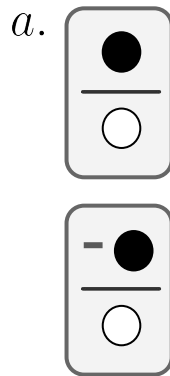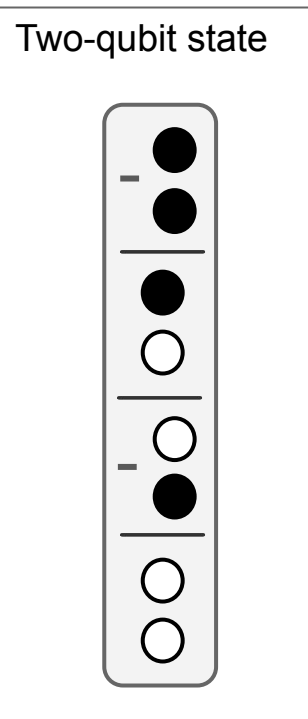This two-qubit state is the same as which two individual qubits?
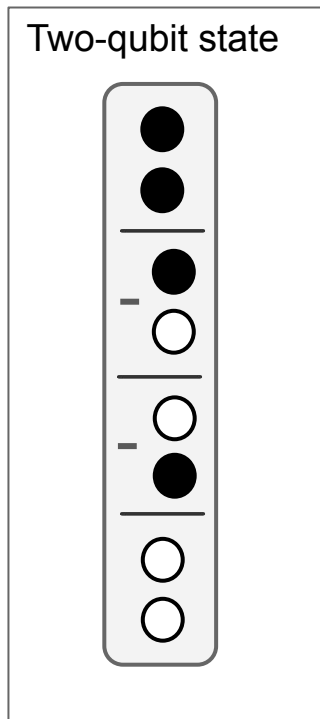
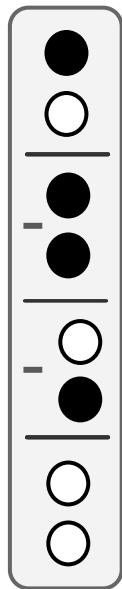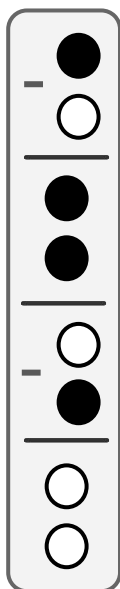Which of the following state(s) is the same as this one?

Two-qubit state

a.
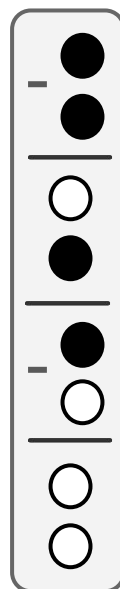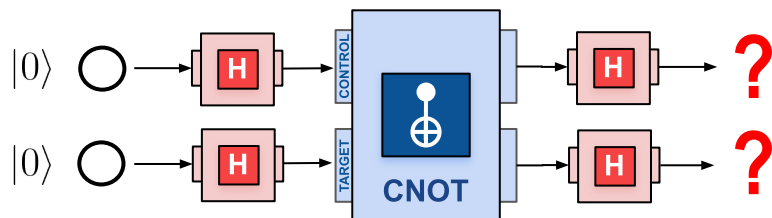
b.

c.

d.
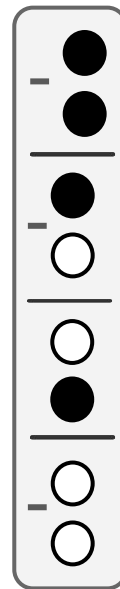
e. None of these represent the same state

What is the output of the following circuit?

A.　B.　C.　D.　E.　F.