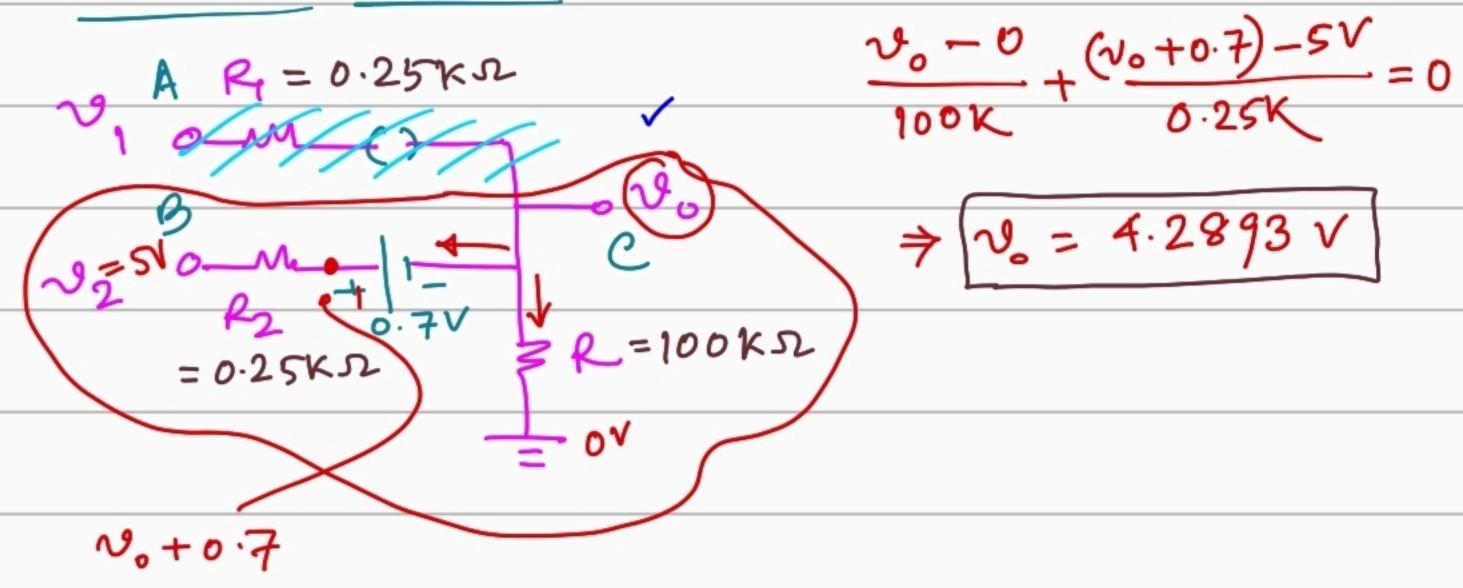


If we do thorough analysis, we would find a contradictory result that current would flow in opposite direction through DI diode.

* DI OFF, D2 ON



Case 4:
$$v_1 = 5V$$
, $V_2 = 5V$

* D, ON, D2 ON.

