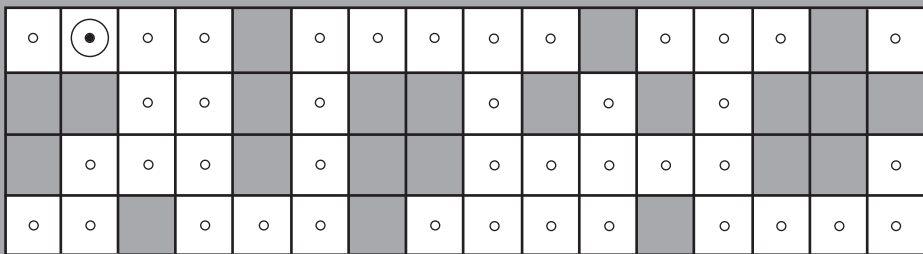


(a) Possible locations of robot after $E_1 = \text{NSW}$



(b) Possible locations of robot After $E_1 = \text{NSW}, E_2 = \text{NS}$