

HW 2: Finite State Machine - Package Sorting Machine

When the light of the first sensor (s_1) is blocked but not the second at the same time, we can assume that the package is small.

When both of the lights of the sensors (s_1, s_2) are blocked at the same time, we can assume that the package is large.

$s_i = 0$: If light of the sensor is not blocked by an object (e.g. package).

$s_i = 1$: If the light of the sensor is blocked.

