# HW 2: Finite State Machine - Package Sorting Machine

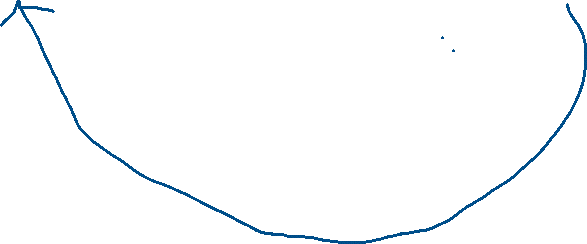
When the light of the first sensor (s1) is blocked but not the second at the same time, we can assume that the package is small.

When both of the lights of the sensors (s1, s2) are blocked at the same time, we can assume that the package is large.

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

si = 1: If the light of the sensor is blocked.

s(0, 0)



s(0, 0)

s(1, 0)

s(1, 1)

s(0, 1)