

HW 2: Finite State Machine - Package Sorting Machine

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State q_1 : No blockage of the sensors.

State q_2 : First sensor light $s(1, 0)$ is blocked.

State q_3 : Both sensors $s(0, 0)$ are free again => Small package in between the sensors.

State q_4 : Both sensor lights $s(1, 1)$ are blocked => Large package.

State q_5 : First sensor $s(0, 1)$ is not blocked anymore => Package is being transmitted.

