



(a) Conveyor and sensors

$s_1$	$s_2$	$s_3$	$f$
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	1
1	1	1	1

(b) Truth table