

Light sensor - x1 Inside temp sensor - x2 Outside temp sensor - x3 People sensor - x4	Y1 - floor heating Y2 - air conditioning Y3 - electric curtains Y4 - ventilation
--	---

	X1 light	X2 I-T	X3 O-T	X4 Ppl	Y1 heat	Y2 AC	Y3 curt	Y4 vent	
0	00	00	00	0	1	0	1	00	Night, I+O cold, nobody home
1	00	00	00	1	1	0	1	00	Night I+O cold, people home
2	00	00	01	0	0	0	1	00	Night,I cold, O norm, people away
3	00	00	01	1	0	0	1	01	Night,I cold, O norm, people home(must be cooled down room summer night)
4	00	00	10	0	0	0	1	01	Night, I cold, O hot, nobody home - turn on vent to get warm air inside.
5	00	00	10	1	0	0	1	01	Night, I cold, O hot, people home - turn on vent to get warm air inside.
6	00	01	00	0	0	0	1	00	Night, I norm, O cold, nobody home
7	00	01	00	1	1	0	1	00	Night, I norm, O cold, people home - we might start heating as it can get colder
8	00	01	01	0	0	0	1	00	Perfect balance, just close the curtains for the night.
9	00	01	01	1	0	0	1	00	
10	00	01	10	0	0	0	1	00	
11	00	01	10	1	0	0	1	00	
12	00	10	00	0	0	0	1	00	It can be hot when nobodys home, no need to coold down (unless there's a fire?)
13	00	10	00	1	0	0	1	01	Turn on vent to get cold air from outside.
14	00	10	01	0	0	0	1	00	It can be hot when nobody's home.
15	00	10	01	1	0	0	1	10	Turn vent to max to get rid of excess heat
16	00	10	10	0	0	0	1	01	Ensure some ventilation when nobody's home and it's very hot.
17	00	10	10	1	0	1	1	00	AC on on summer night, no air from outside to warm up.
18	01	00	00	0	1	0	1	00	
19	01	00	00	1	1	0	0	00	
20	01	00	01	0	0	0	1	01	
21	01	00	01	1	0	0	0	10	Get all the normal temp air you can from outside
22	01	00	10	0	0	0	1	01	

23	01	00	10	1	0	0	0	01	Get some warmer air from outside
24	01	01	00	0	0	0	1	00	
25	01	01	00	1	1	0	0	00	Start heating as it might get colder for people.
26	01	01	01	0	0	0	1	00	
27	01	01	01	1	0	0	0	01	Ensure some air flow
28	01	01	10	0	0	0	1	00	
29	01	01	10	1	0	0	0	00	
30	01	10	00	0	0	0	1	00	
31	01	10	00	1	0	0	0	01	Get some fresh cold air from outside
32	01	10	01	0	0	0	1	00	
33	01	10	01	1	0	0	0	10	Get fresh air from outside
34	01	10	10	0	0	0	1	01	Ensure some air flow
35	01	10	10	1	0	1	0	00	Cool down home
36	10	00	00	0	1	0	0	0	Heat / open curtains for sunlight to warm home up.
37	10	00	00	1	1	0	0	0	
38	10	00	01	0	0	0	0	01	Get warmer air from outside
39	10	00	01	1	0	0	0	10	Get all the warm air from outside you can to warm home up.
40	10	00	10	0	0	0	0	01	
41	10	00	10	1	0	0	0	01	Get some warmth from outside
42	10	01	00	0	0	0	0	00	
43	10	01	00	1	0	0	0	00	
44	10	01	01	0	0	0	0	00	
45	10	01	01	1	0	0	0	01	Ensure some circulation
46	10	01	10	0	0	0	1	00	Close curtains to avoid overheating from sun
47	10	01	10	1	0	0	0	00	
48	10	10	00	0	0	0	0	00	
49	10	10	00	1	0	0	0	01	Ensure some fresh air from outside
50	10	10	01	0	0	0	0	00	
51	10	10	01	1	0	0	0	10	Cool via outside air to normal

52	10	10	10	0	0	0	1	01	Ensure circulation, but close curtains for overheating
53	10	10	10	1	0	1	0	00	AC ON, curtains down to avoid overheating?