Heads matching relation cop

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	1	0	1	2	1	0	1	0	0	0	1	0	0	1	2
4	0	1	0	0	0	2	0	0	1	2	3	1	0	1	2	1
5	1	1	0	0	0	1	1	2	1	0	0	0	0	1	3	0
6	1	0	1	0	1	2	1	0	0	1	0	0	0	2	1	1
7	3	0	1	3	2	0	2	3	2	3	1	2	0	2	1	0
8	0	1	0	1	2	0	1	0	1	1	1	1	1	1	0	1
9	2	0	1	1	1	1	2	4	1	2	2	1	1	3	0	1
10	1	1	1	1	1	0	1	1	0	1	1	1	1	1	0	1
11	1	1	1	1	1	0	1	1	4	1	0	0	1	2	1	0
12	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1
13	0	1	1	0	1	1	1	1	1	1	1	1	3	0	2	1
14	1	0	1	1	1	1	1	0	1	1	1	0	1	1	1	1
15	1	1	1	1	1	1	1	1	1	0	1	1	1	2	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
18	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
19	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0
20	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1
21	0	0	0	1	1	1	1	0	1	1	1	1	0	0	1	1
22	1	1	0	2	1	1	1	1	1	1	1	0	0	1	0	1
23	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0