```
0 1 * r 0
0 - * r 0
0 _ * l 1
0 a * l 1


1 1 a l 2
1 - * l 4

2 1 * l 2
2 - * l 2
2 _ * r 3
2 a * r 3

3 1 a r 0
3 - * r 6

4 1 1 l 4
4 a 1 l 4
4 _ * r 5
4 - * r 5

5 1 * r 5
5 a _ r 5
5 _ * * halt
5 - * r 5

6 1 1 r 6
6 a 1 r 6
6 _ * l 7
6 - * l 7

7 1 * l 7
7 a _ l 7
7 _ * * halt
7 - * l 7
```