

## !EDC2 Wire Map

slot = 16

!

0, 1, 12 !chamber 1, U plane, card U1(1), wires(1-12).  
1, 1, 11 !chamber 1, U plane, card U1(2), wires(1-12).  
2, 1, 10 !chamber 1, U plane, card U1(3), wires(1-12).  
3, 1, 9 !chamber 1, U plane, card U1(4), wires(1-12).  
4, 1, 8 !chamber 1, U plane, card U1(5), wires(1-12).  
5, 1, 7 !chamber 1, U plane, card U1(6), wires(1-12).  
6, 1, 6 !chamber 1, U plane, card U1(7), wires(1-12).  
7, 1, 5 !chamber 1, U plane, card U1(8), wires(1-12).  
8, 1, 4 !chamber 1, U plane, card U1(9), wires(1-12).  
9, 1, 3 !chamber 1, U plane, card U1(10), wires(1-12).  
10,1, 2 !chamber 1, U plane, card U1(11), wires(1-12).  
11, 1, 1 !chamber 1, U plane, card U1(12), wires(1-12).  
! 12, 1, empty !chamber 1, U plane, card U1(13), wires(1-12).  
! 13, 1, empty !chamber 1, U plane, card U1(14), wires(1-12).  
! 14, 1, empty !chamber 1, U plane, card U1(15), wires(1-12).  
! 15, 1, empty !chamber 1, U plane, card U1(16), wires(1-12).  
16, 1 28 !chamber 1, U plane, card U2(1), wires(13-28).  
17, 1, 27 !chamber 1, U plane, card U2(2), wires(13-28).  
18, 1, 26 !chamber 1, U plane, card U2(3), wires(13-28).  
19, 1, 25 !chamber 1, U plane, card U2(4), wires(13-28).  
20, 1, 24 !chamber 1, U plane, card U2(5), wires(13-28).  
21, 1, 23 !chamber 1, U plane, card U2(6), wires(13-28).  
22, 1, 22 !chamber 1, U plane, card U2(7), wires(13-28).  
23, 1, 21 !chamber 1, U plane, card U2(8), wires(13-28).  
24, 1, 20 !chamber 1, U plane, card U2(9), wires(13-28).  
25, 1, 19 !chamber 1, U plane, card U2(10), wires(13-28).  
26, 1, 18 !chamber 1, U plane, card U2(11), wires(13-28).  
27, 1, 17 !chamber 1, U plane, card U2(12), wires(13-28).  
28, 1, 16 !chamber 1, U plane, card U2(13), wires(13-28).  
29, 1, 15 !chamber 1, U plane, card U2(14), wires(13-28).  
30, 1, 14 !chamber 1, U plane, card U2(15), wires(13-28).  
31, 1, 13 !chamber 1, U plane, card U2(16), wires(13-28).  
32, 1, 44 !chamber 1, U plane, card U3(1), wires(29-44).  
33, 1, 43 !chamber 1, U plane, card U3(2), wires(29-44).  
34, 1, 42 !chamber 1, U plane, card U3(3), wires(29-44).  
35, 1, 41 !chamber 1, U plane, card U3(4), wires(29-44).  
36, 1, 40 !chamber 1, U plane, card U3(5), wires(29-44).  
37, 1, 39 !chamber 1, U plane, card U3(6), wires(29-44).  
38, 1, 38 !chamber 1, U plane, card U3(7), wires(29-44).  
39, 1, 37 !chamber 1, U plane, card U3(8), wires(29-44).  
40, 1, 36 !chamber 1, U plane, card U3(9), wires(29-44).  
41, 1, 35 !chamber 1, U plane, card U3(10), wires(29-44).  
42, 1, 34 !chamber 1, U plane, card U3(11), wires(29-44).

43, 1, 33 !chamber 1, U plane, card U3(12), wires(29-44).  
44, 1, 32 !chamber 1, U plane, card U3(13), wires(29-44).  
45, 1, 31 !chamber 1, U plane, card U3(14), wires(29-44).  
46, 1, 30 !chamber 1, U plane, card U3(15), wires(29-44).  
47, 1, 29 !chamber 1, U plane, card U3(16), wires(29-44).  
48, 1, 45 !chamber 1, U plane, card U4(1), wires(45-60).  
49, 1, 46 !chamber 1, U plane, card U4(2), wires(45-60).  
50, 1, 47 !chamber 1, U plane, card U4(3), wires(45-60).  
51, 1, 48 !chamber 1, U plane, card U4(4), wires(45-60).  
52, 1, 49 !chamber 1, U plane, card U4(5), wires(45-60).  
53, 1, 50 !chamber 1, U plane, card U4(6), wires(45-60).  
54, 1, 51 !chamber 1, U plane, card U4(7), wires(45-60).  
55, 1, 52 !chamber 1, U plane, card U4(8), wires(45-60).  
56, 1, 53 !chamber 1, U plane, card U4(9), wires(45-60).  
57, 1, 54 !chamber 1, U plane, card U4(10), wires(45-60).  
58, 1, 55 !chamber 1, U plane, card U4(11), wires(45-60).  
59, 1, 56 !chamber 1, U plane, card U4(12), wires(45-60).  
60, 1, 57 !chamber 1, U plane, card U4(13), wires(45-60).  
61, 1, 58 !chamber 1, U plane, card U4(14), wires(45-60).  
62, 1, 59 !chamber 1, U plane, card U4(15), wires(45-60).  
63, 1, 60 !chamber 1, U plane, card U4(16), wires(45-60).  
64, 1, 61 !chamber 1, U plane, card U5(1), wires(61-76).  
65, 1, 62 !chamber 1, U plane, card U5(2), wires(61-76).  
66, 1, 63 !chamber 1, U plane, card U5(3), wires(61-76).  
67, 1, 64 !chamber 1, U plane, card U5(4), wires(61-76).  
68, 1, 65 !chamber 1, U plane, card U5(5), wires(61-76).  
69, 1, 66 !chamber 1, U plane, card U5(6), wires(61-76).  
70, 1, 67 !chamber 1, U plane, card U5(7), wires(61-76).  
71, 1, 68 !chamber 1, U plane, card U5(8), wires(61-76).  
72, 1, 69 !chamber 1, U plane, card U5(9), wires(61-76).  
73, 1, 70 !chamber 1, U plane, card U5(10), wires(61-76).  
74, 1, 71 !chamber 1, U plane, card U5(11), wires(61-76).  
75, 1, 72 !chamber 1, U plane, card U5(12), wires(61-76).  
76, 1, 73 !chamber 1, U plane, card U5(13), wires(61-76).  
77, 1, 74 !chamber 1, U plane, card U5(14), wires(61-76).  
78, 1, 75 !chamber 1, U plane, card U5(15), wires(61-76).  
79, 1, 76 !chamber 1, U plane, card U5(16), wires(61-76).  
80, 1, 77 !chamber 1, U plane, card U6(1), wires(77-87).  
81, 1, 78 !chamber 1, U plane, card U6(2), wires(77-87).  
82, 1, 79 !chamber 1, U plane, card U6(3), wires(77-87).  
83, 1, 80 !chamber 1, U plane, card U6(4), wires(77-87).  
84, 1, 81 !chamber 1, U plane, card U6(5), wires(77-87).  
85, 1, 82 !chamber 1, U plane, card U6(6), wires(77-87).  
86, 1, 83 !chamber 1, U plane, card U6(7), wires(77-87).  
87, 1, 84 !chamber 1, U plane, card U6(8), wires(77-87).

88, 1, 85 !chamber 1, U plane, card U6(9), wires(77-87).  
 89, 1, 86 !chamber 1, U plane, card U6(10), wires(77-87).  
 90, 1, 87 !chamber 1, U plane, card U6(11), wires(77-87).  
 ! 91,1, empty !chamber 1, U plane, card U6(12), wires(77-87).  
 ! 92, 1, empty !chamber 1, U plane, card U6(13), wires(77-87).  
 ! 93, 1, empty !chamber 1, U plane, card U6(14), wires(77-87).  
 ! 94, 1, empty !chamber 1, U plane, card U6(15), wires(77-87).  
 ! 95, 1, empty !chamber 1, U plane, card U6(16), wires(77-87).  
 !!!  
 slot= 17 !EDC2 TDC  
 !  
 0, 2, 11 !chamber 1, U' plane, card U'1(1), wires(1-11).  
 1, 2, 10 !chamber 1, U' plane, card U'1(2), wires(1-11).  
 2, 2, 9 !chamber 1, U' plane, card U'1(3), wires(1-11).  
 3, 2, 8 !chamber 1, U' plane, card U'1(4), wires(1-11).  
 4, 2, 7 !chamber 1, U' plane, card U'1(5), wires(1-11).  
 5, 2, 6 !chamber 1, U' plane, card U'1(6), wires(1-11).  
 6, 2, 5 !chamber 1, U' plane, card U'1(7), wires(1-11).  
 7, 2, 4 !chamber 1, U' plane, card U'1(8), wires(1-11).  
 8, 2, 3 !chamber 1, U' plane, card U'1(9), wires(1-11).  
 9, 2, 2 !chamber 1, U' plane, card U'1(10), wires(1-11).  
 10,2, 1 !chamber 1, U' plane, card U'1(11), wires(1-11).  
 ! 11, 2, empty !chamber 1, U' plane, card U'1(12), wires(1-11).  
 ! 12, 2, empty !chamber 1, U' plane, card U'1(13), wires(1-11).  
 ! 13, 2, empty !chamber 1, U' plane, card U'1(14), wires(1-11).  
 ! 14, 2, empty !chamber 1, U' plane, card U'1(15), wires(1-11).  
 ! 15, 2, empty !chamber 1, U' plane, card U'1(16), wires(1-11).  
 16, 2 27 !chamber 1, U' plane, card U'2(1), wires(12-27).  
 17, 2, 26 !chamber 1, U' plane, card U'2(2), wires(12-27).  
 18, 2, 25 !chamber 1, U' plane, card U'2(3), wires(12-27).  
 19, 2, 24 !chamber 1, U' plane, card U'2(4), wires(12-27).  
 20, 2, 23 !chamber 1, U' plane, card U'2(5), wires(12-27).  
 21, 2, 22 !chamber 1, U' plane, card U'2(6), wires(12-27).  
 22, 2, 21 !chamber 1, U' plane, card U'2(7), wires(12-27).  
 23, 2, 20 !chamber 1, U' plane, card U'2(8), wires(12-27).  
 24, 2, 19 !chamber 1, U' plane, card U'2(9), wires(12-27).  
 25, 2, 18 !chamber 1, U' plane, card U'2(10), wires(12-27).  
 26, 2, 17 !chamber 1, U' plane, card U'2(11), wires(12-27).  
 27, 2, 16 !chamber 1, U' plane, card U'2(12), wires(12-27).  
 28, 2, 15 !chamber 1, U' plane, card U'2(13), wires(12-27).  
 29, 2, 14 !chamber 1, U' plane, card U'2(14), wires(12-27).  
 30, 2, 13 !chamber 1, U' plane, card U'2(15), wires(12-27).  
 31, 2, 12 !chamber 1, U' plane, card U'2(16), wires(12-27).  
 32, 2, 43 !chamber 1, U' plane, card U'3(1), wires(28-43).  
 33, 2, 42 !chamber 1, U' plane, card U'3(2), wires(28-43).

34, 2, 41 !chamber 1, U' plane, card U'3(3), wires(28-43).  
35, 2, 40 !chamber 1, U' plane, card U'3(4), wires(28-43).  
36, 2, 39 !chamber 1, U' plane, card U'3(5), wires(28-43).  
37, 2, 38 !chamber 1, U' plane, card U'3(6), wires(28-43).  
38, 2, 37 !chamber 1, U' plane, card U'3(7), wires(28-43).  
39, 2, 36 !chamber 1, U' plane, card U'3(8), wires(28-43).  
40, 2, 35 !chamber 1, U' plane, card U'3(9), wires(28-43).  
41, 2, 34 !chamber 1, U' plane, card U'3(10), wires(28-43).  
42, 2, 33 !chamber 1, U' plane, card U'3(11), wires(28-43).  
43, 2, 32 !chamber 1, U' plane, card U'3(12), wires(28-43).  
44, 2, 31 !chamber 1, U' plane, card U'3(13), wires(28-43).  
45, 2, 30 !chamber 1, U' plane, card U'3(14), wires(28-43).  
46, 2, 29 !chamber 1, U' plane, card U'3(15), wires(28-43).  
47, 2, 28 !chamber 1, U' plane, card U'3(16), wires(28-43).  
48, 2, 44 !chamber 1, U' plane, card U'4(1), wires(44-59).  
49, 2, 45 !chamber 1, U' plane, card U'4(2), wires(44-59).  
50, 2, 46 !chamber 1, U' plane, card U'4(3), wires(44-59).  
51, 2, 47 !chamber 1, U' plane, card U'4(4), wires(44-59).  
52, 2, 48 !chamber 1, U' plane, card U'4(5), wires(44-59).  
53, 2, 49 !chamber 1, U' plane, card U'4(6), wires(44-59).  
54, 2, 50 !chamber 1, U' plane, card U'4(7), wires(44-59).  
55, 2, 51 !chamber 1, U' plane, card U'4(8), wires(44-59).  
56, 2, 52 !chamber 1, U' plane, card U'4(9), wires(44-59).  
57, 2, 53 !chamber 1, U' plane, card U'4(10), wires(44-59).  
58, 2, 54 !chamber 1, U' plane, card U'4(11), wires(44-59).  
59, 2, 55 !chamber 1, U' plane, card U'4(12), wires(44-59).  
60, 2, 56 !chamber 1, U' plane, card U'4(13), wires(44-59).  
61, 2, 57 !chamber 1, U' plane, card U'4(14), wires(44-59).  
62, 2, 58 !chamber 1, U' plane, card U'4(15), wires(44-59).  
63, 2, 59 !chamber 1, U' plane, card U'4(16), wires(44-59).  
64, 2, 60 !chamber 1, U' plane, card U'5(1), wires(60-75).  
65, 2, 61 !chamber 1, U' plane, card U'5(2), wires(60-75).  
66, 2, 62 !chamber 1, U' plane, card U'5(3), wires(60-75).  
67, 2, 63 !chamber 1, U' plane, card U'5(4), wires(60-75).  
68, 2, 64 !chamber 1, U' plane, card U'5(5), wires(60-75).  
69, 2, 65 !chamber 1, U' plane, card U'5(6), wires(60-75).  
70, 2, 66 !chamber 1, U' plane, card U'5(7), wires(60-75).  
71, 2, 67 !chamber 1, U' plane, card U'5(8), wires(60-75).  
72, 2, 68 !chamber 1, U' plane, card U'5(9), wires(60-75).  
73, 2, 69 !chamber 1, U' plane, card U'5(10), wires(60-75).  
74, 2, 70 !chamber 1, U' plane, card U'5(11), wires(60-75).  
75, 2, 71 !chamber 1, U' plane, card U'5(12), wires(60-75).  
76, 2, 72 !chamber 1, U' plane, card U'5(13), wires(60-75).  
77, 2, 73 !chamber 1, U' plane, card U'5(14), wires(60-75).  
78, 2, 74 !chamber 1, U' plane, card U'5(15), wires(60-75).  
79, 2, 75 !chamber 1, U' plane, card U'5(16), wires(60-75).

80, 2, 76 !chamber 1, U' plane, card U'6(1), wires(76-87).  
81, 2, 77 !chamber 1, U' plane, card U'6(2), wires(76-87).  
82, 2, 78 !chamber 1, U' plane, card U'6(3), wires(76-87).  
83, 2, 79 !chamber 1, U' plane, card U'6(4), wires(76-87).  
84, 2, 80 !chamber 1, U' plane, card U'6(5), wires(76-87).  
85, 2, 81 !chamber 1, U' plane, card U'6(6), wires(76-87).  
86, 2, 82 !chamber 1, U' plane, card U'6(7), wires(76-87).  
87, 2, 83 !chamber 1, U' plane, card U'6(8), wires(76-87).  
88, 2, 84 !chamber 1, U' plane, card U'6(9), wires(76-87).  
89, 2, 85 !chamber 1, U' plane, card U'6(10), wires(76-87).  
90, 2, 86 !chamber 1, U' plane, card U'6(11), wires(76-87).  
91, 2, 87 !chamber 1, U' plane, card U'6(12), wires(76-87).  
! 92, 2, empty !chamber 1, U' plane, card U'6(13), wires(76-87).  
! 93, 2, empty !chamber 1, U' plane, card U'6(14), wires(76-87).  
! 94, 2, empty !chamber 1, U' plane, card U'6(15), wires(76-87).  
! 95, 2, empty !chamber 1, U' plane, card U'6(16), wires(76-87).

!!

slot= 18 !EDC2 TDC

!

0, 3, empty !chamber 1, X plane, card X1(1), wires(1-13).  
1, 3, empty !chamber 1, X plane, card X1(2), wires(1-13).  
2, 3, empty !chamber 1, X plane, card X1(3), wires(1-13).  
3, 3, 1 !chamber 1, X plane, card X1(4), wires(1-13).  
4, 3, 2 !chamber 1, X plane, card X1(5), wires(1-13).  
5, 3, 3 !chamber 1, X plane, card X1(6), wires(1-13).  
6, 3, 4 !chamber 1, X plane, card X1(7), wires(1-13).  
7, 3, 5 !chamber 1, X plane, card X1(8), wires(1-13).  
8, 3, 6 !chamber 1, X plane, card X1(9), wires(1-13).  
9, 3, 7 !chamber 1, X plane, card X1(10), wires(1-13).  
10, 3, 8 !chamber 1, X plane, card X1(11), wires(1-13).  
11, 3, 9 !chamber 1, X plane, card X1(12), wires(1-13).  
12, 3, 10 !chamber 1, X plane, card X1(13), wires(1-13).  
13, 3, 11 !chamber 1, X plane, card X1(14), wires(1-13).  
14, 3, 12 !chamber 1, X plane, card X1(15), wires(1-13).  
15, 3, 13 !chamber 1, X plane, card X1(16), wires(1-13).  
16, 3, 14 !chamber 1, X plane, card X2(1), wires(14-29).  
17, 3, 15 !chamber 1, X plane, card X2(2), wires(14-29).  
18, 3, 16 !chamber 1, X plane, card X2(3), wires(14-29).  
19, 3, 17 !chamber 1, X plane, card X2(4), wires(14-29).  
20, 3, 18 !chamber 1, X plane, card X2(5), wires(14-29).  
21, 3, 19 !chamber 1, X plane, card X2(6), wires(14-29).  
22, 3, 20 !chamber 1, X plane, card X2(7), wires(14-29).  
23, 3, 21 !chamber 1, X plane, card X2(8), wires(14-29).  
24, 3, 22 !chamber 1, X plane, card X2(9), wires(14-29).  
25, 3, 23 !chamber 1, X plane, card X2(10), wires(14-29).  
26, 3, 24 !chamber 1, X plane, card X2(11), wires(14-29).

27, 3, 25 !chamber 1, X plane, card X2(12), wires(14-29).  
28, 3, 26 !chamber 1, X plane, card X2(13), wires(14-29).  
29, 3, 27 !chamber 1, X plane, card X2(14), wires(14-29).  
30, 3, 28 !chamber 1, X plane, card X2(15), wires(14-29).  
31, 3, 29 !chamber 1, X plane, card X2(16), wires(14-29).  
32, 3, 45 !chamber 1, X plane, card X3(1), wires(30-45).  
33, 3, 44 !chamber 1, X plane, card X3(2), wires(30-45).  
34, 3, 43 !chamber 1, X plane, card X3(3), wires(30-45).  
35, 3, 42 !chamber 1, X plane, card X3(4), wires(30-45).  
36, 3, 41 !chamber 1, X plane, card X3(5), wires(30-45).  
37, 3, 40 !chamber 1, X plane, card X3(6), wires(30-45).  
38, 3, 39 !chamber 1, X plane, card X3(7), wires(30-45).  
39, 3, 38 !chamber 1, X plane, card X3(8), wires(30-45).  
40, 3, 37 !chamber 1, X plane, card X3(9), wires(30-45).  
41, 3, 36 !chamber 1, X plane, card X3(10), wires(30-45).  
42, 3, 35 !chamber 1, X plane, card X3(11), wires(30-45).  
43, 3, 34 !chamber 1, X plane, card X3(12), wires(30-45).  
44, 3, 33 !chamber 1, X plane, card X3(13), wires(30-45).  
45, 3, 32 !chamber 1, X plane, card X3(14), wires(30-45).  
46, 3, 31 !chamber 1, X plane, card X3(15), wires(30-45).  
47, 3, 30 !chamber 1, X plane, card X3(16), wires(30-45).  
48, 3, 46 !chamber 1, X plane, card X4(1), wires(46-61).  
49, 3, 47 !chamber 1, X plane, card X4(2), wires(46-61).  
50, 3, 48 !chamber 1, X plane, card X4(3), wires(46-61).  
51, 3, 49 !chamber 1, X plane, card X4(4), wires(46-61).  
52, 3, 50 !chamber 1, X plane, card X4(5), wires(46-61).  
53, 3, 51 !chamber 1, X plane, card X4(6), wires(46-61).  
54, 3, 52 !chamber 1, X plane, card X4(7), wires(46-61).  
55, 3, 53 !chamber 1, X plane, card X4(8), wires(46-61).  
56, 3, 54 !chamber 1, X plane, card X4(9), wires(46-61).  
57, 3, 55 !chamber 1, X plane, card X4(10), wires(46-61).  
58, 3, 56 !chamber 1, X plane, card X4(11), wires(46-61).  
59, 3, 57 !chamber 1, X plane, card X4(12), wires(46-61).  
60, 3, 58 !chamber 1, X plane, card X4(13), wires(46-61).  
61, 3, 59 !chamber 1, X plane, card X4(14), wires(46-61).  
62, 3, 60 !chamber 1, X plane, card X4(15), wires(46-61).  
63, 3, 61 !chamber 1, X plane, card X4(16), wires(46-61).  
64, 3, 77 !chamber 1, X plane, card X5(1), wires(62-77).  
65, 3, 76 !chamber 1, X plane, card X5(2), wires(62-77).  
66, 3, 75 !chamber 1, X plane, card X5(3), wires(62-77).  
67, 3, 74 !chamber 1, X plane, card X5(4), wires(62-77).  
68, 3, 73 !chamber 1, X plane, card X5(5), wires(62-77).  
69, 3, 72 !chamber 1, X plane, card X5(6), wires(62-77).  
70, 3, 71 !chamber 1, X plane, card X5(7), wires(62-77).  
71, 3, 70 !chamber 1, X plane, card X5(8), wires(62-77).  
72, 3, 69 !chamber 1, X plane, card X5(9), wires(62-77).



20, 3, 121 !chamber 1, X plane, card X8(5), wires(110-122).  
21, 3, 120 !chamber 1, X plane, card X8(6), wires(110-122).  
22, 3, 119 !chamber 1, X plane, card X8(7), wires(110-122).  
23, 3, 118 !chamber 1, X plane, card X8(8), wires(110-122).  
24, 3, 117 !chamber 1, X plane, card X8(9), wires(110-122).  
25, 3, 116 !chamber 1, X plane, card X8(10), wires(110-122).  
26, 3, 115 !chamber 1, X plane, card X8(11), wires(110-122).  
27, 3, 114 !chamber 1, X plane, card X8(12), wires(110-122).  
28, 3, 113 !chamber 1, X plane, card X8(13), wires(110-122).  
29, 3, 112 !chamber 1, X plane, card X8(14), wires(110-122).  
30, 3, 111 !chamber 1, X plane, card X8(15), wires(110-122).  
31, 3, 110 !chamber 1, X plane, card X8(16), wires(110-122).  
!32, 4, empty !chamber 1, X' plane, card X'1(1), wires(1-13).  
!33, 4, empty !chamber 1, X' plane, card X'1(2), wires(1-13).  
!34, 4, empty !chamber 1, X' plane, card X'1(3), wires(1-13).  
35, 4, 1 !chamber 1, X' plane, card X'1(4), wires(1-13).  
36, 4, 2 !chamber 1, X' plane, card X'1(5), wires(1-13).  
37, 4, 3 !chamber 1, X' plane, card X'1(6), wires(1-13).  
38, 4, 4 !chamber 1, X' plane, card X'1(7), wires(1-13).  
39, 4, 5 !chamber 1, X' plane, card X'1(8), wires(1-13).  
40, 4, 6 !chamber 1, X' plane, card X'1(9), wires(1-13).  
41, 4, 7 !chamber 1, X' plane, card X'1(10), wires(1-13).  
42, 4, 8 !chamber 1, X' plane, card X'1(11), wires(1-13).  
43, 4, 9 !chamber 1, X' plane, card X'1(12), wires(1-13).  
44, 4, 10 !chamber 1, X' plane, card X'1(13), wires(1-13).  
45, 4, 11 !chamber 1, X' plane, card X'1(14), wires(1-13).  
46, 4, 12 !chamber 1, X' plane, card X'1(15), wires(1-13).  
47, 4, 13 !chamber 1, X' plane, card X'1(16), wires(1-13).  
48, 4, 14 !chamber 1, X' plane, card X'2(1), wires(14-29).  
49, 4, 15 !chamber 1, X' plane, card X'2(2), wires(14-29).  
50, 4, 16 !chamber 1, X' plane, card X'2(3), wires(14-29).  
51, 4, 17 !chamber 1, X' plane, card X'2(4), wires(14-29).  
52, 4, 18 !chamber 1, X' plane, card X'2(5), wires(14-29).  
53, 4, 19 !chamber 1, X' plane, card X'2(6), wires(14-29).  
54, 4, 20 !chamber 1, X' plane, card X'2(7), wires(14-29).  
55, 4, 21 !chamber 1, X' plane, card X'2(8), wires(14-29).  
56, 4, 22 !chamber 1, X' plane, card X'2(9), wires(14-29).  
57, 4, 23 !chamber 1, X' plane, card X'2(10), wires(14-29).  
58, 4, 24 !chamber 1, X' plane, card X'2(11), wires(14-29).  
59, 4, 25 !chamber 1, X' plane, card X'2(12), wires(14-29).  
60, 4, 26 !chamber 1, X' plane, card X'2(13), wires(14-29).  
61, 4, 27 !chamber 1, X' plane, card X'2(14), wires(14-29).  
62, 4, 28 !chamber 1, X' plane, card X'2(15), wires(14-29).  
63, 4, 29 !chamber 1, X' plane, card X'2(16), wires(14-29).  
64, 4, 45 !chamber 1, X' plane, card X'3(1), wires(30-45).  
65, 4, 44 !chamber 1, X' plane, card X'3(2), wires(30-45).



66, 4, 43 !chamber 1, X' plane, card X'3(3), wires(30-45).  
 67, 4, 42 !chamber 1, X' plane, card X'3(4), wires(30-45).  
 68, 4, 41 !chamber 1, X' plane, card X'3(5), wires(30-45).  
 69, 4, 40 !chamber 1, X' plane, card X'3(6), wires(30-45).  
 70, 4, 39 !chamber 1, X' plane, card X'3(7), wires(30-45).  
 71, 4, 38 !chamber 1, X' plane, card X'3(8), wires(30-45).  
 72, 4, 37 !chamber 1, X' plane, card X'3(9), wires(30-45).  
 73, 4, 36 !chamber 1, X' plane, card X'3(10), wires(30-45).  
 74, 4, 35 !chamber 1, X' plane, card X'3(11), wires(30-45).  
 75, 4, 34 !chamber 1, X' plane, card X'3(12), wires(30-45).  
 76, 4, 33 !chamber 1, X' plane, card X'3(13), wires(30-45).  
 77, 4, 32 !chamber 1, X' plane, card X'3(14), wires(30-45).  
 78, 4, 31 !chamber 1, X' plane, card X'3(15), wires(30-45).  
 79, 4, 30 !chamber 1, X' plane, card X'3(16), wires(30-45).  
 80, 4, 46 !chamber 1, X' plane, card X'4(1), wires(46-61).  
 81, 4, 47 !chamber 1, X' plane, card X'4(2), wires(46-61).  
 82, 4, 48 !chamber 1, X' plane, card X'4(3), wires(46-61).  
 83, 4, 49 !chamber 1, X' plane, card X'4(4), wires(46-61).  
 84, 4, 50 !chamber 1, X' plane, card X'4(5), wires(46-61).  
 85, 4, 51 !chamber 1, X' plane, card X'4(6), wires(46-61).  
 86, 4, 52 !chamber 1, X' plane, card X'4(7), wires(46-61).  
 87, 4, 53 !chamber 1, X' plane, card X'4(8), wires(46-61).  
 88, 4, 54 !chamber 1, X' plane, card X'4(9), wires(46-61).  
 89, 4, 55 !chamber 1, X' plane, card X'4(10), wires(46-61).  
 90, 4, 56 !chamber 1, X' plane, card X'4(11), wires(46-61).  
 91, 4, 57 !chamber 1, X' plane, card X'4(12), wires(46-61).  
 92, 4, 58 !chamber 1, X' plane, card X'4(13), wires(46-61).  
 93, 4, 59 !chamber 1, X' plane, card X'4(14), wires(46-61).  
 94, 4, 60 !chamber 1, X' plane, card X'4(15), wires(46-61).  
 95, 4, 61 !chamber 1, X' plane, card X'4(16), wires(46-61).  
 !!!

slot = 20

!  
 0, 4, 77 !chamber 1, X' plane, card X'5(1), wires(62-77).  
 1, 4, 76 !chamber 1, X' plane, card X'5(2), wires(62-77).  
 2, 4, 75 !chamber 1, X' plane, card X'5(3), wires(62-77).  
 3, 4, 74 !chamber 1, X' plane, card X'5(4), wires(62-77).  
 4, 4, 73 !chamber 1, X' plane, card X'5(5), wires(62-77).  
 5, 4, 72 !chamber 1, X' plane, card X'5(6), wires(62-77).  
 6, 4, 71 !chamber 1, X' plane, card X'5(7), wires(62-77).  
 7, 4, 70 !chamber 1, X' plane, card X'5(8), wires(62-77).  
 8, 4, 69 !chamber 1, X' plane, card X'5(9), wires(62-77).  
 9, 4, 68 !chamber 1, X' plane, card X'5(10), wires(62-77).  
 10, 4, 67 !chamber 1, X' plane, card X'5(11), wires(62-77).  
 11, 4, 66 !chamber 1, X' plane, card X'5(12), wires(62-77).  
 12, 4, 65 !chamber 1, X' plane, card X'5(13), wires(62-77).

13, 4, 64 !chamber 1, X' plane, card X'5(14), wires(62-77).  
14, 4, 63 !chamber 1, X' plane, card X'5(15), wires(62-77).  
15, 4, 62 !chamber 1, X' plane, card X'5(16), wires(62-77).  
16, 4, 78 !chamber 1, X' plane, card X'6(1), wires(78-93).  
17, 4, 79 !chamber 1, X' plane, card X'6(2), wires(78-93).  
18, 4, 80 !chamber 1, X' plane, card X'6(3), wires(78-93).  
19, 4, 81 !chamber 1, X' plane, card X'6(4), wires(78-93).  
20, 4, 82 !chamber 1, X' plane, card X'6(5), wires(78-93).  
21, 4, 83 !chamber 1, X' plane, card X'6(6), wires(78-93).  
22, 4, 84 !chamber 1, X' plane, card X'6(7), wires(78-93).  
23, 4, 85 !chamber 1, X' plane, card X'6(8), wires(78-93).  
24, 4, 86 !chamber 1, X' plane, card X'6(9), wires(78-93).  
25, 4, 87 !chamber 1, X' plane, card X'6(10), wires(78-93).  
26, 4, 88 !chamber 1, X' plane, card X'6(11), wires(78-93).  
27, 4, 89 !chamber 1, X' plane, card X'6(12), wires(78-93).  
28, 4, 90 !chamber 1, X' plane, card X'6(13), wires(78-93).  
29, 4, 91 !chamber 1, X' plane, card X'6(14), wires(78-93).  
30, 4, 92 !chamber 1, X' plane, card X'6(15), wires(78-93).  
31, 4, 93 !chamber 1, X' plane, card X'6(16), wires(78-93).  
32, 4, 109 !chamber 1, X' plane, card X'7(1), wires(94-109).  
33, 4, 108 !chamber 1, X' plane, card X'7(2), wires(94-109).  
34, 4, 107 !chamber 1, X' plane, card X'7(3), wires(94-109).  
35, 4, 106 !chamber 1, X' plane, card X'7(4), wires(94-109).  
36, 4, 105 !chamber 1, X' plane, card X'7(5), wires(94-109).  
37, 4, 104 !chamber 1, X' plane, card X'7(6), wires(94-109).  
38, 4, 103 !chamber 1, X' plane, card X'7(7), wires(94-109).  
39, 4, 102 !chamber 1, X' plane, card X'7(8), wires(94-109).  
40, 4, 101 !chamber 1, X' plane, card X'7(9), wires(94-109).  
41, 4, 100 !chamber 1, X' plane, card X'7(10), wires(94-109).  
42, 4, 99 !chamber 1, X' plane, card X'7(11), wires(94-109).  
43, 4, 98 !chamber 1, X' plane, card X'7(12), wires(94-109).  
44, 4, 97 !chamber 1, X' plane, card X'7(13), wires(94-109).  
45, 4, 96 !chamber 1, X' plane, card X'7(14), wires(94-109).  
46, 4, 95 !chamber 1, X' plane, card X'7(15), wires(94-109).  
47, 4, 94 !chamber 1, X' plane, card X'7(16), wires(94-109).  
! 48, 4, empty !chamber 1, X' plane, card X'8(1), wires(110-122).  
! 49, 4, empty !chamber 1, X' plane, card X'8(2), wires(110-122).  
! 50, 4, empty !chamber 1, X' plane, card X'8(3), wires(110-122).  
51, 4, 122 !chamber 1, X' plane, card X'8(4), wires(110-122).  
52, 4, 121 !chamber 1, X' plane, card X'8(5), wires(110-122).  
53, 4, 120 !chamber 1, X' plane, card X'8(6), wires(110-122).  
54, 4, 119 !chamber 1, X' plane, card X'8(7), wires(110-122).  
55, 4, 118 !chamber 1, X' plane, card X'8(8), wires(110-122).  
56, 4, 117 !chamber 1, X' plane, card X'8(9), wires(110-122).  
57, 4, 116 !chamber 1, X' plane, card X'8(10), wires(110-122).  
58, 4, 115 !chamber 1, X' plane, card X'8(11), wires(110-122).

59, 4, 114 !chamber 1, X' plane, card X'8(12), wires(110-122).  
 60, 4, 113 !chamber 1, X' plane, card X'8(13), wires(110-122).  
 61, 4, 112 !chamber 1, X' plane, card X'8(14), wires(110-122).  
 62, 4, 111 !chamber 1, X' plane, card X'8(15), wires(110-122).  
 63, 4, 110 !chamber 1, X' plane, card X'8(16), wires(110-122).  
 64, 5, 12 !chamber 1, V plane, card V1(1), wires(1-12).  
 65, 5, 11 !chamber 1, V plane, card V1(2), wires(1-12).  
 66, 5, 10 !chamber 1, V plane, card V1(3), wires(1-12).  
 67, 5, 9 !chamber 1, V plane, card V1(4), wires(1-12).  
 68, 5, 8 !chamber 1, V plane, card V1(5), wires(1-12).  
 69, 5, 7 !chamber 1, V plane, card V1(6), wires(1-12).  
 70, 5, 6 !chamber 1, V plane, card V1(7), wires(1-12).  
 71, 5, 5 !chamber 1, V plane, card V1(8), wires(1-12).  
 72, 5, 4 !chamber 1, V plane, card V1(9), wires(1-12).  
 73, 5, 3 !chamber 1, V plane, card V1(10), wires(1-12).  
 74, 5, 2 !chamber 1, V plane, card V1(11), wires(1-12).  
 75, 5, 1 !chamber 1, V plane, card V1(12), wires(1-12).  
 ! 76, 5, empty !chamber 1, V plane, card V1(13), wires(1-12).  
 ! 77, 5, empty !chamber 1, V plane, card V1(14), wires(1-12).  
 ! 78, 5, empty !chamber 1, V plane, card V1(15), wires(1-12).  
 ! 79, 5, empty !chamber 1, V plane, card V1(16), wires(1-12).  
 80, 5, 28 !chamber 1, V plane, card V2(1), wires(13-28).  
 81, 5, 27 !chamber 1, V plane, card V2(2), wires(13-28).  
 82, 5, 26 !chamber 1, V plane, card V2(3), wires(13-28).  
 83, 5, 25 !chamber 1, V plane, card V2(4), wires(13-28).  
 84, 5, 24 !chamber 1, V plane, card V2(5), wires(13-28).  
 85, 5, 23 !chamber 1, V plane, card V2(6), wires(13-28).  
 86, 5, 22 !chamber 1, V plane, card V2(7), wires(13-28).  
 87, 5, 21 !chamber 1, V plane, card V2(8), wires(13-28).  
 88, 5, 20 !chamber 1, V plane, card V2(9), wires(13-28).  
 89, 5, 19 !chamber 1, V plane, card V2(10), wires(13-28).  
 90, 5, 18 !chamber 1, V plane, card V2(11), wires(13-28).  
 91, 5, 17 !chamber 1, V plane, card V2(12), wires(13-28).  
 92, 5, 16 !chamber 1, V plane, card V2(13), wires(13-28).  
 93, 5, 15 !chamber 1, V plane, card V2(14), wires(13-28).  
 94, 5, 14 !chamber 1, V plane, card V2(15), wires(13-28).  
 95, 5, 13 !chamber 1, V plane, card V2(16), wires(13-28).

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0, 5, 44 !chamber 1, V plane, card V3(1), wires(29-44).  
 1, 5, 43 !chamber 1, V plane, card V3(2), wires(29-44).  
 2, 5, 42 !chamber 1, V plane, card V3(3), wires(29-44).  
 3, 5, 41 !chamber 1, V plane, card V3(4), wires(29-44).  
 4, 5, 40 !chamber 1, V plane, card V3(5), wires(29-44).  
 5, 5, 39 !chamber 1, V plane, card V3(6), wires(29-44).

6, 5, 38 !chamber 1, V plane, card V3(7), wires(29-44).  
7, 5, 37 !chamber 1, V plane, card V3(8), wires(29-44).  
8, 5, 36 !chamber 1, V plane, card V3(9), wires(29-44).  
9, 5, 35 !chamber 1, V plane, card V3(10), wires(29-44).  
10, 5, 34 !chamber 1, V plane, card V3(11), wires(29-44).  
11, 5, 33 !chamber 1, V plane, card V3(12), wires(29-44).  
12, 5, 32 !chamber 1, V plane, card V3(13), wires(29-44).  
13, 5, 31 !chamber 1, V plane, card V3(14), wires(29-44).  
14, 5, 30 !chamber 1, V plane, card V3(15), wires(29-44).  
15, 5, 29 !chamber 1, V plane, card V3(16), wires(29-44).  
16, 5, 45 !chamber 1, V plane, card V4(1), wires(45-60).  
17, 5, 46 !chamber 1, V plane, card V4(2), wires(45-60).  
18, 5, 47 !chamber 1, V plane, card V4(3), wires(45-60).  
19, 5, 48 !chamber 1, V plane, card V4(4), wires(45-60).  
20, 5, 49 !chamber 1, V plane, card V4(5), wires(45-60).  
21, 5, 50 !chamber 1, V plane, card V4(6), wires(45-60).  
22, 5, 51 !chamber 1, V plane, card V4(7), wires(45-60).  
23, 5, 52 !chamber 1, V plane, card V4(8), wires(45-60).  
24, 5, 53 !chamber 1, V plane, card V4(9), wires(45-60).  
25, 5, 54 !chamber 1, V plane, card V4(10), wires(45-60).  
26, 5, 55 !chamber 1, V plane, card V4(11), wires(45-60).  
27, 5, 56 !chamber 1, V plane, card V4(12), wires(45-60).  
28, 5, 57 !chamber 1, V plane, card V4(13), wires(45-60).  
29, 5, 58 !chamber 1, V plane, card V4(14), wires(45-60).  
30, 5, 59 !chamber 1, V plane, card V4(15), wires(45-60).  
31, 5, 60 !chamber 1, V plane, card V4(16), wires(45-60).  
32, 5, 61 !chamber 1, V plane, card V5(1), wires(61-76).  
33, 5, 62 !chamber 1, V plane, card V5(2), wires(61-76).  
34, 5, 63 !chamber 1, V plane, card V5(3), wires(61-76).  
35, 5, 64 !chamber 1, V plane, card V5(4), wires(61-76).  
36, 5, 65 !chamber 1, V plane, card V5(5), wires(61-76).  
37, 5, 66 !chamber 1, V plane, card V5(6), wires(61-76).  
38, 5, 67 !chamber 1, V plane, card V5(7), wires(61-76).  
39, 5, 68 !chamber 1, V plane, card V5(8), wires(61-76).  
40, 5, 69 !chamber 1, V plane, card V5(9), wires(61-76).  
41, 5, 70 !chamber 1, V plane, card V5(10), wires(61-76).  
42, 5, 71 !chamber 1, V plane, card V5(11), wires(61-76).  
43, 5, 72 !chamber 1, V plane, card V5(12), wires(61-76).  
44, 5, 73 !chamber 1, V plane, card V5(13), wires(61-76).  
45, 5, 74 !chamber 1, V plane, card V5(14), wires(61-76).  
46, 5, 75 !chamber 1, V plane, card V5(15), wires(61-76).  
47, 5, 76 !chamber 1, V plane, card V5(16), wires(61-76).  
48, 5, 77 !chamber 1, V plane, card V6(1), wires(77-87).  
49, 5, 78 !chamber 1, V plane, card V6(2), wires(77-87).  
50, 5, 79 !chamber 1, V plane, card V6(3), wires(77-87).  
51, 5, 80 !chamber 1, V plane, card V6(4), wires(77-87).

52, 5, 81 !chamber 1, V plane, card V6(5), wires(77-87).  
53, 5, 82 !chamber 1, V plane, card V6(6), wires(77-87).  
54, 5, 83 !chamber 1, V plane, card V6(7), wires(77-87).  
55, 5, 84 !chamber 1, V plane, card V6(8), wires(77-87).  
56, 5, 85 !chamber 1, V plane, card V6(9), wires(77-87).  
57, 5, 86 !chamber 1, V plane, card V6(10), wires(77-87).  
58, 5, 87 !chamber 1, V plane, card V6(11), wires(77-87).  
! 59, 5, empty !chamber 1, V plane, card V6(12), wires(77-87).  
! 60, 5, empty !chamber 1, V plane, card V6(13), wires(77-87).  
! 61, 5, empty !chamber 1, V plane, card V6(14), wires(77-87).  
! 62, 5, empty !chamber 1, V plane, card V6(15), wires(77-87).  
! 63, 5, empty !chamber 1, V plane, card V6(16), wires(77-87).  
64, 6, 11 !chamber 1, V' plane, card V'1(1), wires(1-11).  
65, 6, 10 !chamber 1, V' plane, card V'1(2), wires(1-11).  
66, 6, 9 !chamber 1, V' plane, card V'1(3), wires(1-11).  
67, 6, 8 !chamber 1, V' plane, card V'1(4), wires(1-11).  
68, 6, 7 !chamber 1, V' plane, card V'1(5), wires(1-11).  
69, 6, 6 !chamber 1, V' plane, card V'1(6), wires(1-11).  
70, 6, 5 !chamber 1, V' plane, card V'1(7), wires(1-11).  
71, 6, 4 !chamber 1, V' plane, card V'1(8), wires(1-11).  
72, 6, 3 !chamber 1, V' plane, card V'1(9), wires(1-11).  
73, 6, 2 !chamber 1, V' plane, card V'1(10), wires(1-11).  
74, 6, 1 !chamber 1, V' plane, card V'1(11), wires(1-11).  
! 75, 6, empty !chamber 1, V' plane, card V'1(12), wires(1-11).  
! 76, 6, empty !chamber 1, V' plane, card V'1(13), wires(1-11).  
! 77, 6, empty !chamber 1, V' plane, card V'1(14), wires(1-11).  
! 78, 6, empty !chamber 1, V' plane, card V'1(15), wires(1-11).  
! 79, 6, empty !chamber 1, V' plane, card V'1(16), wires(1-11).  
80, 6, 27 !chamber 1, V' plane, card V'2(1), wires(12-27).  
81, 6, 26 !chamber 1, V' plane, card V'2(2), wires(12-27).  
82, 6, 25 !chamber 1, V' plane, card V'2(3), wires(12-27).  
83, 6, 24 !chamber 1, V' plane, card V'2(4), wires(12-27).  
84, 6, 23 !chamber 1, V' plane, card V'2(5), wires(12-27).  
85, 6, 22 !chamber 1, V' plane, card V'2(6), wires(12-27).  
86, 6, 21 !chamber 1, V' plane, card V'2(7), wires(12-27).  
87, 6, 20 !chamber 1, V' plane, card V'2(8), wires(12-27).  
88, 6, 19 !chamber 1, V' plane, card V'2(9), wires(12-27).  
89, 6, 18 !chamber 1, V' plane, card V'2(10), wires(12-27).  
90, 6, 17 !chamber 1, V' plane, card V'2(11), wires(12-27).  
91, 6, 16 !chamber 1, V' plane, card V'2(12), wires(12-27).  
92, 6, 15 !chamber 1, V' plane, card V'2(13), wires(12-27).  
93, 6, 14 !chamber 1, V' plane, card V'2(14), wires(12-27).  
94, 6, 13 !chamber 1, V' plane, card V'2(15), wires(12-27).  
95, 6, 12 !chamber 1, V' plane, card V'2(16), wires(12-27).

0, 6, 43 !chamber 1, V' plane, card V'3(1), wires(28-43).  
1, 6, 42 !chamber 1, V' plane, card V'3(2), wires(28-43).  
2, 6, 41 !chamber 1, V' plane, card V'3(3), wires(28-43).  
3, 6, 40 !chamber 1, V' plane, card V'3(4), wires(28-43).  
4, 6, 39 !chamber 1, V' plane, card V'3(5), wires(28-43).  
5, 6, 38 !chamber 1, V' plane, card V'3(6), wires(28-43).  
6, 6, 37 !chamber 1, V' plane, card V'3(7), wires(28-43).  
7, 6, 36 !chamber 1, V' plane, card V'3(8), wires(28-43).  
8, 6, 35 !chamber 1, V' plane, card V'3(9), wires(28-43).  
9, 6, 34 !chamber 1, V' plane, card V'3(10), wires(28-43).  
10, 6, 33 !chamber 1, V' plane, card V'3(11), wires(28-43).  
11, 6, 32 !chamber 1, V' plane, card V'3(12), wires(28-43).  
12, 6, 31 !chamber 1, V' plane, card V'3(13), wires(28-43).  
13, 6, 30 !chamber 1, V' plane, card V'3(14), wires(28-43).  
14, 6, 29 !chamber 1, V' plane, card V'3(15), wires(28-43).  
15, 6, 28 !chamber 1, V' plane, card V'3(16), wires(28-43).  
16, 6, 44 !chamber 1, V' plane, card V'4(1), wires(44-59).  
17, 6, 45 !chamber 1, V' plane, card V'4(2), wires(44-59).  
18, 6, 46 !chamber 1, V' plane, card V'4(3), wires(44-59).  
19, 6, 47 !chamber 1, V' plane, card V'4(4), wires(44-59).  
20, 6, 48 !chamber 1, V' plane, card V'4(5), wires(44-59).  
21, 6, 49 !chamber 1, V' plane, card V'4(6), wires(44-59).  
22, 6, 50 !chamber 1, V' plane, card V'4(7), wires(44-59).  
23, 6, 51 !chamber 1, V' plane, card V'4(8), wires(44-59).  
24, 6, 52 !chamber 1, V' plane, card V'4(9), wires(44-59).  
25, 6, 53 !chamber 1, V' plane, card V'4(10), wires(44-59).  
26, 6, 54 !chamber 1, V' plane, card V'4(11), wires(44-59).  
27, 6, 55 !chamber 1, V' plane, card V'4(12), wires(44-59).  
28, 6, 56 !chamber 1, V' plane, card V'4(13), wires(44-59).  
29, 6, 57 !chamber 1, V' plane, card V'4(14), wires(44-59).  
30, 6, 58 !chamber 1, V' plane, card V'4(15), wires(44-59).  
31, 6, 59 !chamber 1, V' plane, card V'4(16), wires(44-59).  
32, 6, 60 !chamber 1, V' plane, card V'5(1), wires(60-75).  
33, 6, 61 !chamber 1, V' plane, card V'5(2), wires(60-75).  
34, 6, 62 !chamber 1, V' plane, card V'5(3), wires(60-75).  
35, 6, 63 !chamber 1, V' plane, card V'5(4), wires(60-75).  
36, 6, 64 !chamber 1, V' plane, card V'5(5), wires(60-75).  
37, 6, 65 !chamber 1, V' plane, card V'5(6), wires(60-75).  
38, 6, 66 !chamber 1, V' plane, card V'5(7), wires(60-75).  
39, 6, 67 !chamber 1, V' plane, card V'5(8), wires(60-75).  
40, 6, 68 !chamber 1, V' plane, card V'5(9), wires(60-75).  
41, 6, 69 !chamber 1, V' plane, card V'5(10), wires(60-75).  
42, 6, 70 !chamber 1, V' plane, card V'5(11), wires(60-75).  
43, 6, 71 !chamber 1, V' plane, card V'5(12), wires(60-75).  
44, 6, 72 !chamber 1, V' plane, card V'5(13), wires(60-75).  
45, 6, 73 !chamber 1, V' plane, card V'5(14), wires(60-75).

46, 6, 74 !chamber 1, V' plane, card V'5(15), wires(60-75).  
47, 6, 75 !chamber 1, V' plane, card V'5(16), wires(60-75).  
48, 6, 76 !chamber 1, V' plane, card V'6(1), wires(76-87).  
49, 6, 77 !chamber 1, V' plane, card V'6(2), wires(76-87).  
50, 6, 78 !chamber 1, V' plane, card V'6(3), wires(76-87).  
51, 6, 79 !chamber 1, V' plane, card V'6(4), wires(76-87).  
52, 5, 80 !chamber 1, V' plane, card V'6(5), wires(76-87).  
53, 5, 81 !chamber 1, V' plane, card V'6(6), wires(76-87).  
54, 5, 82 !chamber 1, V' plane, card V'6(7), wires(76-87).  
55, 5, 83 !chamber 1, V' plane, card V'6(8), wires(76-87).  
56, 5, 84 !chamber 1, V' plane, card V'6(9), wires(76-87).  
57, 5, 85 !chamber 1, V' plane, card V'6(10), wires(76-87).  
58, 5, 86 !chamber 1, V' plane, card V'6(11), wires(76-87).  
59, 5, 87 !chamber 1, V' plane, card V'6(12), wires(76-87).  
! 60, 5, empty !chamber 1, V' plane, card V'6(13), wires(76-87).  
! 61, 5, empty !chamber 1, V' plane, card V'6(14), wires(76-87).  
! 62, 5, empty !chamber 1, V' plane, card V'6(15), wires(76-87).  
! 63, 5, empty !chamber 1, V' plane, card V'6(16), wires(76-87).  
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