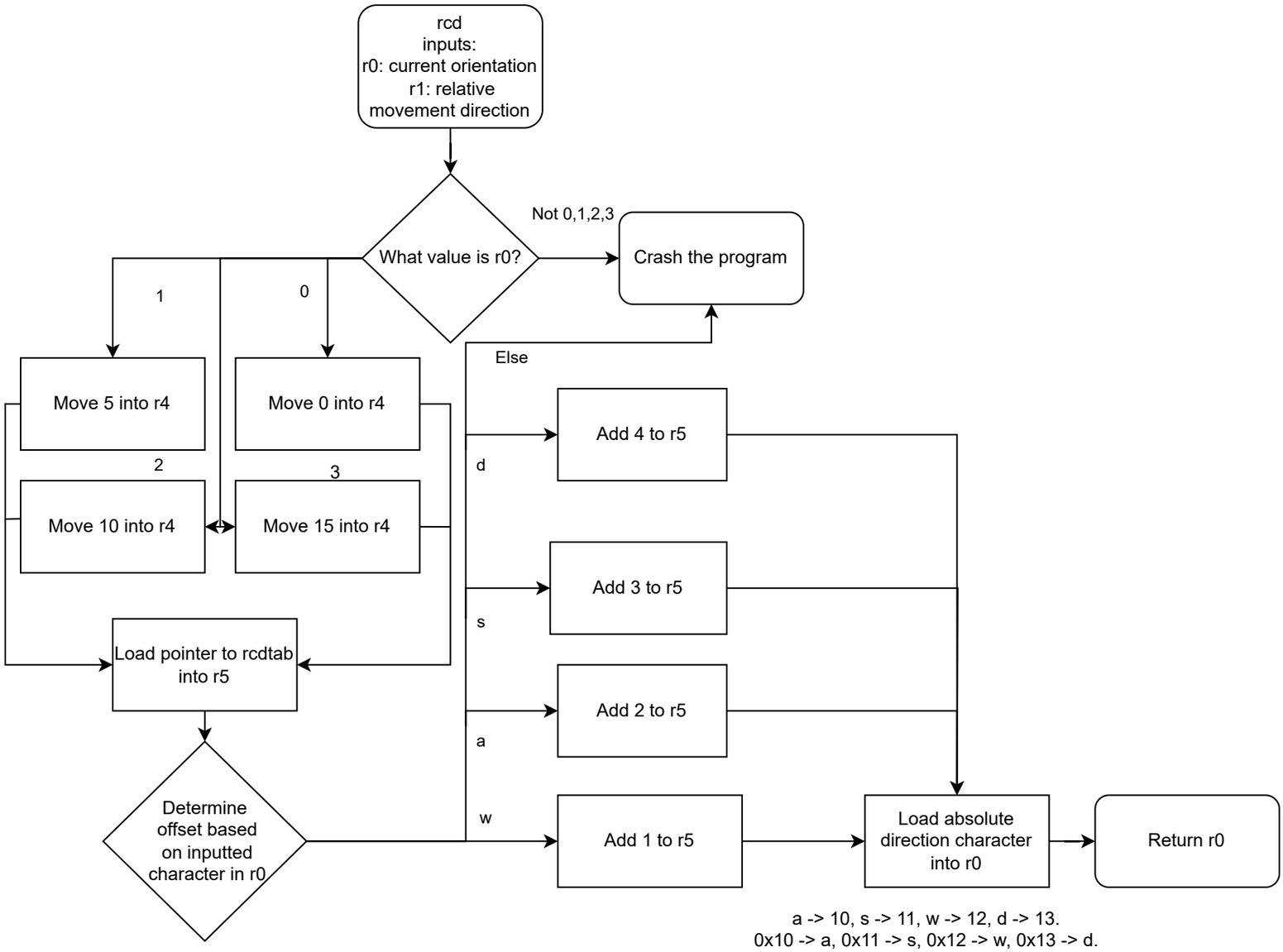
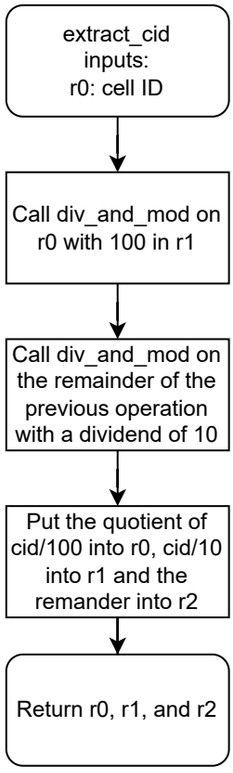
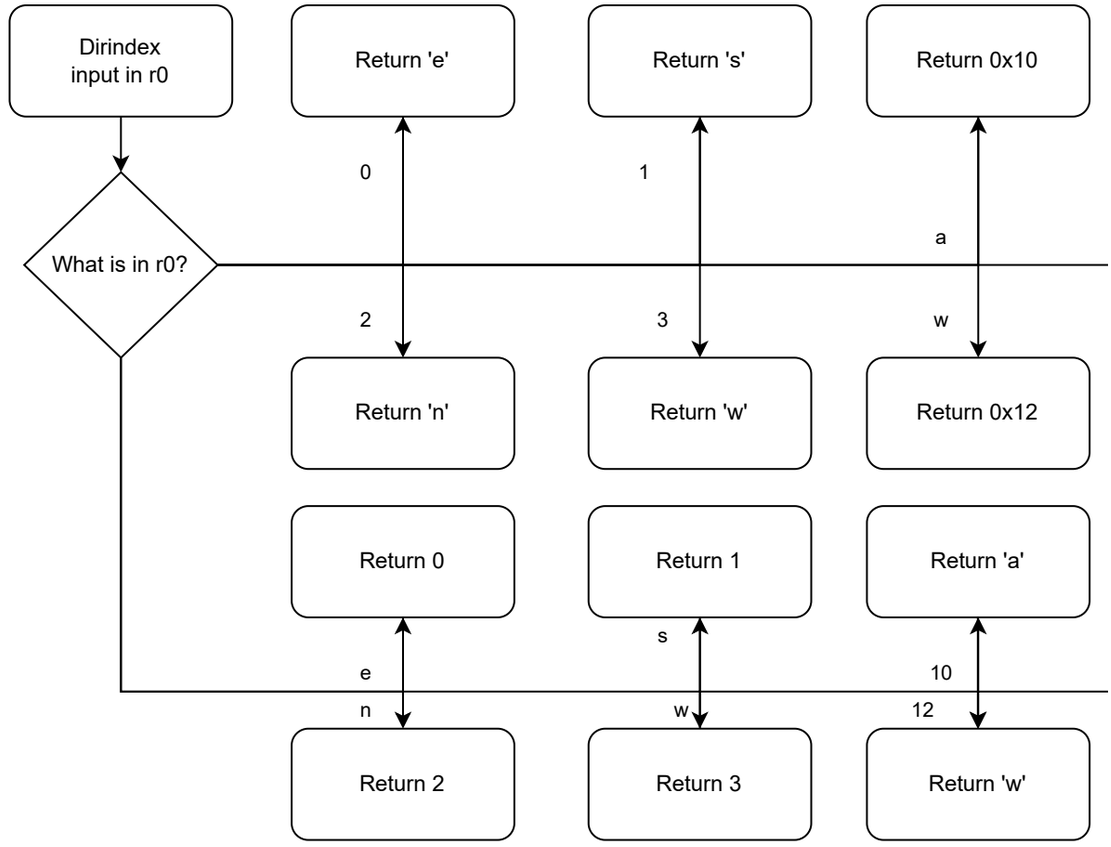
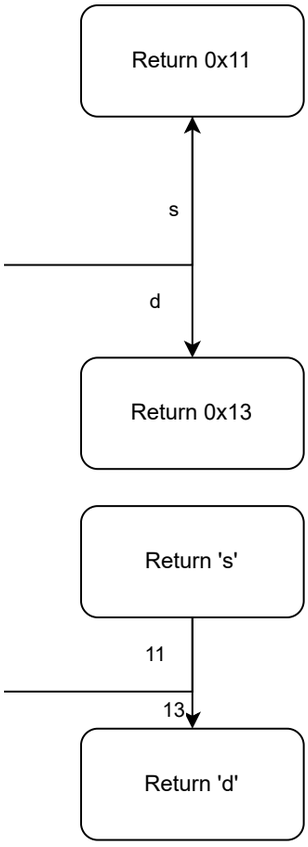

rcd
inputs:
r0: current orientation
r1: relative
movement direction
What value is r0?
Not 0,1,2,3
Crash the program
1
0
Else
Move 5 into r4
Move 0 into r4
2
3
Move 10 into r4
Move 15 into r4
Load pointer to rcdtab
into r5
Determine
offset based
on inputted
character in r0
d
s
a
w
Add 4 to r5
Add 3 to r5
Add 2 to r5
Add 1 to r5
Load absolute
direction character
into r0
Return r0
a -> 10, s -> 11, w -> 12, d -> 13.
0x10 -> a, 0x11 -> s, 0x12 -> w, 0x13 -> d.


extract_cid
inputs:
r0: cell ID
Call div_and_mod on
r0 with 100 in r1
Call div_and_mod on
the remainder of the
previous operation
with a dividend of 10
Put the quotient of
cid/100 into r0, cid/10
into r1 and the
remander into r2
Return r0, r1, and r2


Dirindex
input in r0
What is in r0?
0
1
a
2
3
w
Return 'e'
Return 's'
Return 0x10
Return 'n'
Return 'w'
Return 0x12
Return 0
Return 1
Return 'a'
e
s
10
n
w
12
Return 2
Return 3
Return 'w'


Return 0x11
s
d
Return 0x13
Return 's'
11
13
Return 'd'