Test Plan

Just elevator buttons - Nothing in array

CF =1 , BP = 2   output = 2
CF = 1 , BP = 3   output = 3
CF = 2 , BP = 1   output = 1
CF = 2 , BP = 3   output = 3   All good
CF = 3 , BP = 1   output = 1
CF = 3 , BP = 2   output = 2

CF = 1 , BP = 1   output = 1
CF = 2   BP = 2   output = 2
CF = 3   BP = 3   output = 3

Traveling 1 floor but one floor in array (1 or 3)
                              ↑ elevator button

CF = 1   BP = 2   A = 3   output = 2   All good
CF = 3   BP = 2   A = 1   output = 2.

Traveling 2 floors but 2 is in array

CF = 1   BP = 3   A = 2   output = 2.   All good
CF = 3   BP = 1   A = 2   output = 2.

Just floor buttons pressed - Nothing in array

CF = 1   BP = 1↑   output = 1
CF = 1   BP = 2↑   output = 2.
CF = 1   BP = 2↓   output = 2
CF = 1   BP = 3↑   output = 3
CF = 2   BP = 1↑   output = 1   All good
CF = 2   BP = 2↑   output = 2
CF = 2   BP = 2↓   output = 2
CF = 2   BP = 3↓   output = 3
CF = 3   BP = 1↓   output = 1
CF = 3   BP = 2↓   output = 2
CF = 3   BP = 2↓   output = 2
CF = 3   BP = 3↓   output = 3

JUST floor Buttons but somem in floor array

$ Shoud Juss take first elemt ous of array
$ me clme new

CF=1   Bp=3d   a = [2v/2d]   ow pus = 2   All 300v
CF=2   Bp=2d   a = [3d/1a]   ocopus = 3

Sometimg in both arrays

CF=1   Bp=3 a_e = [ ] a_F = [3d,2v]   owpo = 2
CF=1   Bp=2 a_e = [3] a_F = [2d]   owpw = 2
CF=1   Bp=3 a_e = [ ] a_F = [2d]   owpo = 3
CF=3   Bp=1 a_e = [ ] a_F = [2v]   owpo = 1
CF=1   Bp=2v a_e = [3] a_F = [2d]   owpw = 2
CF=1   Bp=3d a_e = [2] a_F = [ ]   owpw = 2