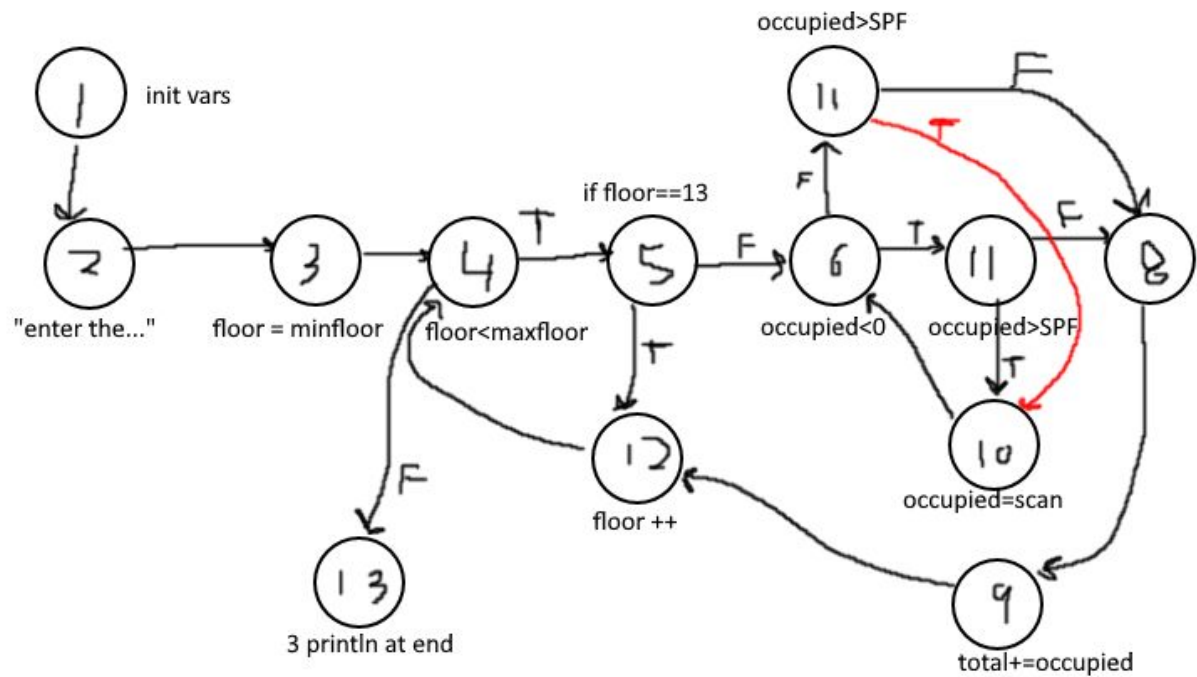


1)

a)



Each color is a different floor

Test #	input	Occupancy Rate	Path
1	10,10,10,10,10	50	1,2,3,4,5,6,11,8,9, 12,4,5,6,11,8,9,12, 4,5,6,11,,8,9,12,4, 5,12,4,5,6,11,8,9,1 2,4,5,6,11,8,9,12,4 ,5,6,11,8,9,12,4,13
2	-1,25,5,5,5,5,5	25	1,2,3,4,5,6,11,10,6 ,11,10,6,11,8,9,12, 4,5,6,11,8,9,12,4,5 ,6,11,,8,9,12,4,5,1 2,4,5,6,11,8,9,12,4 ,5,6,11,8,9,12,4,5, 6,11,8,9,12,4,13

[illegible]

c)

Test case	Input	Occupancy Rate	Total Occupied
1	10,10,10,10,10	(-, defines OR) (OR = 100*TO/TS, defined OR) (print...OR, uses OR) return(OR, uses OR)*testing i did*	(=0, defined TO) (TO += occupied, defined TO) (OR = 100*TO/TS, uses TO) (print TO, uses TO)

d)