

Test cases for Multiple Condition Method → [], ['#', 0, '#'], [0, '#', 0], [0, 0]

if (list.size() <= 0)

- list.size() <= 0 → True
- list.size() <= 0 → False

Condition	Case True	Case False
list.size() <= 0	[]	['#', 0, '#']

if (!list.get(i).equals("#"))

- list.get(i) != "#" → True
- list.get(i) != "#" → False

Condition	Case True	Case False
list.get(i) != "#"	[0, '#', 0]	['#', 0, '#']

if (i - 1 >= 0 && list.get(i - 1).equals("#"))

- i - 1 >= 0 → True
- i - 1 >= 0 → False
- list.get(i - 1) == ("#") → True
- list.get(i - 1) == ("#") → False

Condition	F && F	F && T	T && F	T && T
i - 1 >= 0 && list.get(i - 1) == ("#")	[0, '#', 0]	['#', 0, '#']	[0, 0]	['#', 0, '#']

if (i + 1 < list.size() && list.get(i + 1).equals("#"))

- i + 1 < list.size() → True
- i + 1 < list.size() → False
- list.get(i + 1) == ("#") → True
- list.get(i + 1) == ("#") → False

Condition	F && F	T && F	T && T
i + 1 < list.size() && list.get(i + 1).equals("#")	[0, 0]	[0, 0]	['#', 0, '#']