

*Case 1

let $i = 0$ let count = 0 let jump = 0

arr = tab =

2	2	-1	2	1	2	-3
0	1	2	3	4	5	6

 out of array

count = save tab =

0	2	3	5			
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① Exit:

→ $i > \text{tab.length} - 1$

Jump:

$i += \text{tab}[i]$

jump += or save tab.length
count += count + tab[i]

*Case 2

$i = 0$ jump = 0 count = 0

tab =

1	2	1	1	-5	1	2	1
0	1	2	3	4	5	6	7

save tab =

0	1	3	4				
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jump = save tab.length

② Exit: $i < 0$

*Case 3:

1	2	1	-2	1	1	2	3	1
0	1	2	3	4	5	6	7	8

0	1	3	1	3	1	3	1	3
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③ exit = loop

Exit Order

- a) 3
- b) 1
- c) 2

Variables : \bar{i} , index, to browse the table
jump, index, to count number of jump
tab, array, to browse
save tab, array, to save browsed values

$\bar{i} = 0$
 $\text{jump} = 0$

$\text{tab} = [2, 1, 3, \dots]$
 $\text{save tab} = []$

Function jump():

Do

if \bar{i} is not save tab

$\text{jump} = \text{jump} + 1$

$\bar{i} = \bar{i} + \text{tab}[\bar{i}]$

push \bar{i} in save tab

else

return "infinite loop"

while ($\bar{i} < \text{tab length}$ And $\bar{i} > 0$)

Display "is out of array"

return jump