Problem A. Eight (8)

Input file:	`standard input`
Output file:	`standard output`
Time limit:	0.8 seconds
Memory limit:	888 megabytes

Shor the Duck once accidentally created a channel named 8 in one of his Discord servers. From then on, all messages within the channel must contain the number 8 somewhere.

However, for this problem, you'll have a simpler task! Given an array A of N **integers**, determine how many of these N integers are **EXACTLY EQUAL** to 8.

Input

The first line of input contains one integer N. ($1 \leq N \leq 2 \cdot 10^5$)

The second line of input contains N space-separated integers $A_1, A_2, \ldots, A_N$, representing the array A. ($1 \leq A_i \leq 10^{18}$)

Output

Output a single integer, the number of integers in A that are **EXACTLY EQUAL** to 8.

Scoring

Subtask	Score	Additional constraints
1	8	$N = 1$, A only contains 8
2	18	A only contains 8
3	18	$N = 1$, $A_i \leq 10^9$
4	28	$A_i \leq 10^9$
5	28	—
6	0	Sample test cases

Examples

standard input	standard output
1 8	1
3 8 8 8	3
1 11	0
5 1 8 9 8 2	2

Note

Sample test case 1 is valid for all subtasks. There is one 8 inside the array, so print 1.

Sample test case 2 is valid for subtasks 2, 4, and 5. There are three 8s inside the array, so print 3.

Sample test case 3 is valid for subtasks 3, 4, and 5. There are zero 8s inside the array, so print 0.

Sample test case 4 is valid for subtasks 4 and 5. There are two 8s inside the array, so print 2.

Background (Not relevant for solving the problem):