manee's cute fish

Manee has new cute fishes, type name "Prompercy". In their cutie, they have potential to do the horribleness about their eating. If it found the smaller fish, it will eat Immediate until it full (Prompercy is not exempt too).

We received information about this fish from "Shabu Shabu Laboratory". These fish have a sac that capacity is half of its body length; that mean 4-inch fish can eat a 2-inch fish or two 1-ince fish.

Manee is a very sadism girl. In this time these fish are separate by size to many bowls, it cannot be eat by the other but in the next few minutes Manee will pour all fish to the big bowl and enjoy that they eat themselves. Manee will have the most happiness when many fish are eaten.

Input:
The first line input the number of fish as integer n; $1 \le n \le 6$
The second contain n integer numbers, those are the fish length $l_1, l_2, l_3,...,l_n$; $1 \le l_{xth} \le 100$

Output:
An integer be showed the least number of survived fish.

Input	Output
6 8 4 6 2 1 1	2
Example: 1 > 2 > 4 > 8 (a > b – a was eaten by b) 1 > 6	Only 2 fish are survived
5 1 1 1 4 1	3