#include <stdio.h>

int countZeroes(int arr[], int low, int high) {

if (low == high) {

return 1 - arr[low];

}

int mid = (low + high) / 2;

int leftZeroes = countZeroes(arr, low, mid);

int rightZeroes = countZeroes(arr, mid + 1, high);

return leftZeroes + rightZeroes;

}

int main() {

int n;

scanf("%d", &n);

int arr[n];

for (int i = 0; i < n; i++) {

scanf("%d", &arr[i]);

}

int zeroes = countZeroes(arr, 0, n - 1);

printf("%d\n", zeroes);

return 0;

}

