HINTS

2518: SCHOOL PHYSICS

Just Calculate X=2*t*v.

2519: WATERMELON

Only if *w* can be presented as 2*m* + 2*k* watermelon can be divided to two even parts.
So *w* = 2(*m*+*k*), where *m*, *k* ≥ **1**, that is
(*w* ≥ **4** и *w* - even) - necessary and sufficient condition for watermelon dividing.

2517: THEATRE SQUARE

The constraint that edges of each flagstone much be parralel to edges of the square allows to analyze X and Y axes separately, that is, how many segments of length 'a' are needed to cover segment of length 'm' and 'n' -- and take product of these two quantities. Answer = ceil(m/a) * ceil(n/a), where ceil(x) is the least integer which is above or equal to x. Using integers only, it is usually written as ((m+a-1)/a)*((n+a-1)/a). Note that answer may be as large as 10^18, which does not fit in 32-bit integer.

Most difficulties, if any, contestants had with data types and operator priority, which are highly dependant on language used, so they are not covered here.

2548: NEXT ROUND

Just sort. Notice 0 in the array.

2545: BIT++

Just use a simple loop. (Take a look at the Python code)

GNU C++: 3314442, 3314464

GNU C: 3314471

Python: 3314475