algo	complexity
LIS	-Size: (binary search)- O(nlog(n)).  -dynamic programming: O(n*(n + log(n))) = = O(n^2 + nlog(n)) => O(n^2).  -By LCS: O(n^2) + O(nlog(n)).
Strategy game	O((n^2)/2) => <b>O(n^2)</b> .
MinMax(couple)	O(n).
LCS	O(m*n) + O(m+n) = <b>O(m*n)</b> .
Compiler	$O(n)+O(n\log(n)) = O(n\log(n)).$
Power	Recursive + Iterative: O(n) Improve algorithms: O(log(n)).
Fibonacci	-recursive: <b>O(2^n)</b> - iterative: <b>O(n)</b> -Improve: <b>O(log(n))</b> .
Max in array	-O(n)

2 max in array	-O(1.5n) -> <b>O(n)</b>
Airplane	-dynamic programming: <b>O(m*n)</b>
Pizza	O(1)
Egg dropping	1 ball – O(n) dividing to equal parts: O(2 sqrt(n)) dividing to different parts: O(sqrt(2*n))
Array matrix	O(n^2)
Median	O(1)
Donuts problem	O(1)