n	Worst AC Algorithm	Comment
$\leq [10..11]$	$O(n!)$, $O(n^6)$	e.g. Enumerating permutations
$\leq [15..18]$	$O(2^n \times n^2)$	e.g. DP Travelling Salesman
$\leq [18..22]$	$O(2^n \times n)$	e.g. DP with bitmask technique
≤ 100	$O(n^4)$	e.g. DP with 3 dimensions + $O(n)$ loop, $_nC_{k=4}$
≤ 400	$O(n^3)$	e.g. Floyd Warshall's
$\leq 2\,\mathrm{k}$	$O(n^2 \log_2 n)$	e.g. 2-nested loops + a tree-related DS request
$\leq 10\,\mathrm{k}$	$O(n^2)$	e.g. Bubble / Selection / Insertion Sort
$\leq 1\,\mathrm{M}$	$O(n \log_2 n)$	e.g. Merge Sort, building Segment Tree
$\leq 100\,\mathrm{M}$	$O(n)$	e.g. Iterative, one loop
$\leq 10^{18}$	$O(\log_2 n)$	e.g. Binary search, GCD, modular power
$\leq 10^{\mathrm{a\ lot}}$	$O(\log_2 n)$	e.g. Operations with BigInteger
$\leq \infty$	$O(1)$	Rare: you still have to read the input!

Table 1: Table of worst AC complexities, as deduced from input limits