Laboratory practice No. II: Brute Force

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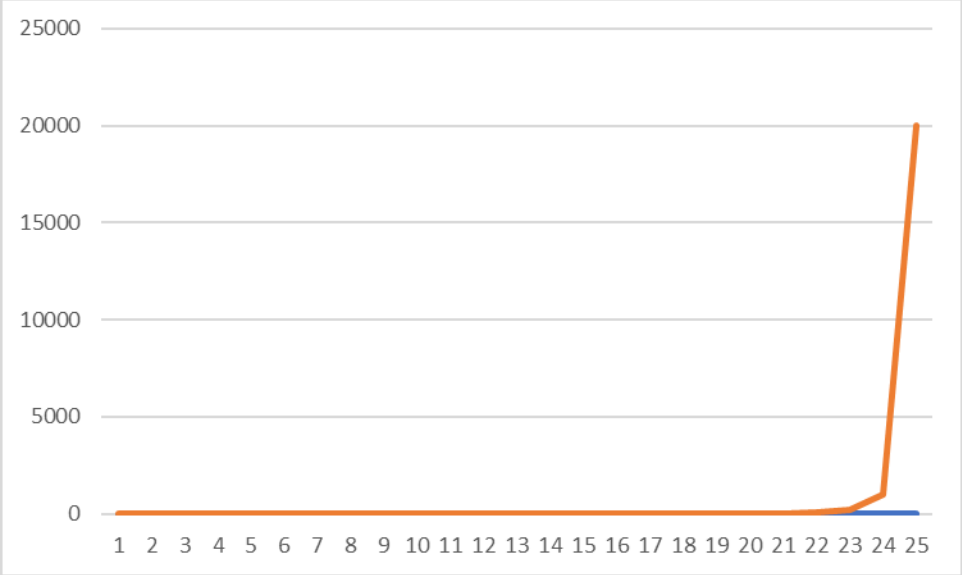
3) Practice for final project defense presentation

1. backtraking is an algorithm widely used to solve the problem of n-queens, proposed by Edsger Dijkstra in 1972 to illustrate the power of so-called structured programming. The search for brute force should not be confused with backtracking, since this is a method that discards many sets of solutions, without explicitly listing each one of them.

Value of N	Execution Time
4	0,1s
5	0,1s
6	0,1s
7	0,1 s
8	0,1s
9	0,2s
10	0,3s
11	0,3s
12	0,6s
13	0,6s
14	0,8s
15	1s
16	1s
17	4s
18	6s
19	7s
20	10s
21	10s
22	15s
23	20s
24	40s
25	70s

26	**180s**
27	**1000s**
28	**20000s**
29	**Se demora mas de 50 min**
30	**Se demora mas de 50 min**
31	**Se demora mas de 50 min**
32	**Se demora mas de 50 min**
N	**O(n!)**



4) Practice for midterms

1. *a) actual > maximo, b) O(n^2)*
2. *a) arr, k b)O(n^2)*
3. *a) i,n b) O(N-M)*
4. *a) i , b) b*

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