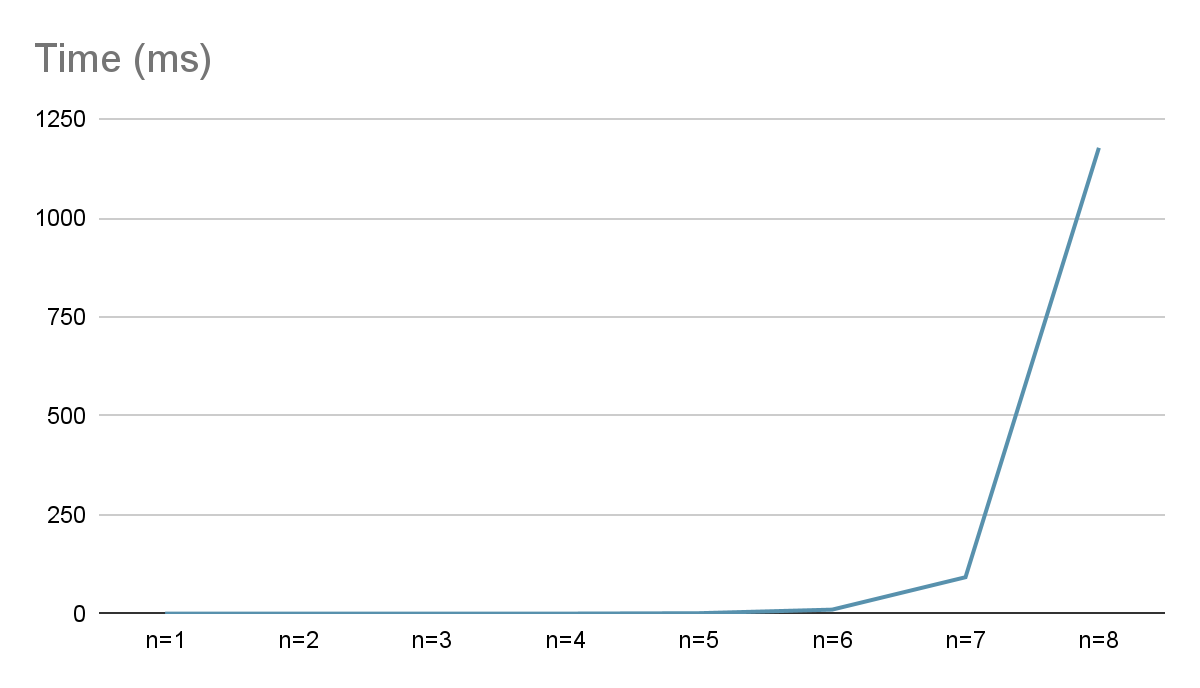
**OBSERVATION TABLE**

| **Value of N** | **Time in Milliseconds** |
| --- | --- |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 1 |
| 6 | 10 |
| 7 | 92 |
| 8 | 1178 |

For n=9, we get runtime error(segmentation fault), estimating a very high time complexity for n=9.

From the observation table, we estimate the time complexity of the algorithm to be **O((n^2)\*n!)**

****

