**Comparison**

This task is used to Differentiate between different approach to the algorithm of Rod Cutting and how they affect in our real-life problems. The following table shows us difference between Dynamic and Non-Dynamic Recursive approach and tells us the number of times the functions would be called for a certain length of Rod N.

|  |  |  |
| --- | --- | --- |
| N | Recursive Method | Recursive-Dynamic Method |
| 5 | 32 | 16 |
| 10 | 1024 | 56 |
| 15 | 32768 | 121 |
| 20 | 1048576 | 211 |
| 25 | 33554432 | 326 |
| 30 | 1073741824 | 466 |