DINAMIC PROGRAMMING

RECOMMENDED EXERCISES

1. Table of times:

RECURSIVE

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| N | 5 | 10 | 50 | 100 | 500 | 1000 | 10000 |
| Time (ms) | 38 | 31 | Broken | Broken | Broken | Broken | Broken |

TOP DOWN

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| N | 5 | 10 | 50 | 100 | 500 | 1000 | 10000 |
| Time (ms) | 74 | 32 | 48 | 52 | 61 | 169 | Broken |

BOTTON UP

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| N | 5 | 10 | 50 | 100 | 500 | 1000 | 10000 |
| Time (ms) | 37 | 41 | 86 | 43 | 127 | 97 | 529 |