4-b8作业答案

1850059 计1班 杨志远

一、递归函数的执行次数：

|  |  |
| --- | --- |
| 1 | 1 |
| 2 | 1 |
| 3 | 3 |
| 4 | 5 |
| 5 | 9 |
| 6 | 15 |
| 7 | 25 |
| 8 | 41 |
| 9 | 67 |
| 10 | 109 |
| 11 | 177 |
| 12 | 287 |
| 13 | 465 |
| 14 | 753 |
| 15 | 1219 |
| 16 | 1973 |
| 17 | 3193 |
| 18 | 5167 |
| 19 | 8361 |
| 20 | 13529 |
| 21 | 21891 |
| 22 | 35421 |
| 23 | 57313 |
| 24 | 92735 |
| 25 | 150049 |
| 26 | 242785 |
| 27 | 392835 |
| 28 | 635621 |
| 29 | 1028457 |
| 30 | 1664079 |
| 31 | 2692537 |
| 32 | 4356617 |
| 33 | 7049155 |
| 34 | 11405773 |
| 35 | 18454929 |
| 36 | 29860703 |
| 37 | 48315633 |
| 38 | 78176337 |
| 39 | 126491971 |
| 40 | 204668309 |

二、递归函数执行次数的前后的递推公式