# Problem B:

# Power and Timing Optimization Using Multibit Flip-Flop

## Alpha Test Results:

| Rank | Sample Case | Testcase01 |
|:---:|:---:|:---:|
| 1 | 584.60 | 2261819003224.21 |
| 2 | 584.60 | 2282026151815.89 |
| 3 | 584.60 | 2302244217077.74 |
| 4 | 584.60 | 2304658323160.01 |
| 5 | 591.53 | 2312530000000.00 |
| 6 | 591.53 | 2399462066078.41 |
| 7 | 591.53 | 2506900000000.00 |
| 8 | 625.53 | 2543783000000.00 |
| 9 | 628.38 | 2543783000000.00 |
| 10 | 650.68 | |