

4.27

- file name : 427.c
- input : 輸入需要的長度
- output :

```
➤ ~/hw ./a.out 10
0 1 1 2 3 5 8 13 21 34
➤ ~/hw
```

4.24

- file name : 424.c
- input : 輸入point的數量
- output :

```
➤ ~/hw ./a.out 10000000
PI = 3.141577
➤ ~/hw
```

6.33

- file name : 633.c
- input : 輸入thread的數量
- output :

● >> ~/hw ./a.out 10

| | |
|---|-----------------------|
| user 1804289383 request 2 licenses:accepted | avaliable licenses: 8 |
| user 424238335 request 2 licenses:accepted | avaliable licenses: 6 |
| user 1681692777 request 1 licenses:accepted | avaliable licenses: 5 |
| user 1189641421 request 3 licenses:accepted | avaliable licenses: 2 |
| user 783368690 request 5 licenses:failed | avaliable licenses: 2 |
| user 1967513926 request 1 licenses:accepted | avaliable licenses: 1 |
| user 304089172 request 2 licenses:failed | avaliable licenses: 1 |
| user 521595368 request 3 licenses:failed | avaliable licenses: 1 |
| user 336465782 request 1 licenses:accepted | avaliable licenses: 0 |
| user 233665123 request 3 licenses:failed | avaliable licenses: 0 |
| user 1967513926 release 1 licenses | avaliable licenses: 1 |
| user 304089172 request 3 licenses:failed | avaliable licenses: 1 |
| user 424238335 release 2 licenses | avaliable licenses: 3 |
| user 1189641421 release 3 licenses | avaliable licenses: 6 |
| user 336465782 release 1 licenses | avaliable licenses: 7 |
| user 1804289383 release 2 licenses | avaliable licenses: 9 |
| user 783368690 request 2 licenses:accepted | avaliable licenses: 7 |
| user 1681692777 release 1 licenses | avaliable licenses: 8 |
| user 304089172 request 5 licenses:accepted | avaliable licenses: 3 |
| user 783368690 release 2 licenses | avaliable licenses: 5 |
| user 233665123 request 5 licenses:accepted | avaliable licenses: 0 |
| user 1804289383 request 3 licenses:failed | avaliable licenses: 0 |
| user 1681692777 request 5 licenses:failed | avaliable licenses: 0 |
| user 783368690 request 1 licenses:failed | avaliable licenses: 0 |
| user 304089172 release 5 licenses | avaliable licenses: 5 |
| user 521595368 request 2 licenses:accepted | avaliable licenses: 3 |
| user 521595368 release 2 licenses | avaliable licenses: 5 |
| user 336465782 request 4 licenses:accepted | avaliable licenses: 1 |
| user 233665123 release 5 licenses | avaliable licenses: 6 |
| user 1967513926 request 2 licenses:accepted | avaliable licenses: 4 |
| user 424238335 request 2 licenses:accepted | avaliable licenses: 2 |
| user 783368690 request 5 licenses:failed | avaliable licenses: 2 |
| user 233665123 request 2 licenses:accepted | avaliable licenses: 0 |
| user 1189641421 request 2 licenses:failed | avaliable licenses: 0 |
| user 1967513926 release 2 licenses | avaliable licenses: 2 |
| user 424238335 release 2 licenses | avaliable licenses: 4 |
| user 233665123 release 2 licenses | avaliable licenses: 6 |
| user 1681692777 request 1 licenses:accepted | avaliable licenses: 5 |
| user 336465782 release 4 licenses | avaliable licenses: 9 |
| user 304089172 request 5 licenses:accepted | avaliable licenses: 4 |
| user 1804289383 request 5 licenses:failed | avaliable licenses: 4 |
| user 1681692777 release 1 licenses | avaliable licenses: 5 |
| user 1967513926 request 1 licenses:accepted | avaliable licenses: 4 |
| user 521595368 request 4 licenses:accepted | avaliable licenses: 0 |
| user 233665123 request 4 licenses:failed | avaliable licenses: 0 |
| user 304089172 release 5 licenses | avaliable licenses: 5 |
| user 783368690 request 4 licenses:accepted | avaliable licenses: 1 |
| user 1967513926 release 1 licenses | avaliable licenses: 2 |
| user 521595368 release 4 licenses | avaliable licenses: 6 |
| user 336465782 request 3 licenses:accepted | avaliable licenses: 3 |
| user 1681692777 request 2 licenses:accepted | avaliable licenses: 1 |
| user 424238335 request 5 licenses:failed | avaliable licenses: 1 |
| user 336465782 release 3 licenses | avaliable licenses: 4 |
| user 1804289383 request 2 licenses:accepted | avaliable licenses: 2 |
| user 783368690 release 4 licenses | avaliable licenses: 6 |
| user 1189641421 request 1 licenses:accepted | avaliable licenses: 5 |
| user 1189641421 release 1 licenses | avaliable licenses: 6 |
| user 424238335 request 4 licenses:accepted | avaliable licenses: 2 |
| user 304089172 request 2 licenses:accepted | avaliable licenses: 0 |

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|-----------------|---------|---------------------|-----------------------|
| user 1681692777 | release | 2 licenses | avaliable licenses: 2 |
| user 1967513926 | request | 3 licenses:failed | avaliable licenses: 2 |
| user 1804289383 | release | 2 licenses | avaliable licenses: 4 |
| user 424238335 | release | 4 licenses | avaliable licenses: 8 |
| user 304089172 | release | 2 licenses | avaliable licenses:10 |
| user 233665123 | request | 1 licenses:accepted | avaliable licenses: 9 |
| user 1681692777 | request | 2 licenses:accepted | avaliable licenses: 7 |
| user 1967513926 | request | 5 licenses:accepted | avaliable licenses: 2 |
| user 336465782 | request | 5 licenses:failed | avaliable licenses: 2 |
| user 1189641421 | request | 5 licenses:failed | avaliable licenses: 2 |
| user 1681692777 | release | 2 licenses | avaliable licenses: 4 |
| user 304089172 | request | 3 licenses:accepted | avaliable licenses: 1 |
| user 336465782 | request | 2 licenses:failed | avaliable licenses: 1 |
| user 233665123 | release | 1 licenses | avaliable licenses: 2 |
| user 1804289383 | request | 3 licenses:failed | avaliable licenses: 2 |
| user 521595368 | request | 2 licenses:accepted | avaliable licenses: 0 |
| user 1189641421 | request | 4 licenses:failed | avaliable licenses: 0 |
| user 304089172 | release | 3 licenses | avaliable licenses: 3 |
| user 783368690 | request | 2 licenses:accepted | avaliable licenses: 1 |
| user 521595368 | release | 2 licenses | avaliable licenses: 3 |
| user 1967513926 | release | 5 licenses | avaliable licenses: 8 |
| user 424238335 | request | 4 licenses:accepted | avaliable licenses: 4 |
| user 336465782 | request | 3 licenses:accepted | avaliable licenses: 1 |
| user 783368690 | release | 2 licenses | avaliable licenses: 3 |
| user 424238335 | release | 4 licenses | avaliable licenses: 7 |
| user 1681692777 | request | 1 licenses:accepted | avaliable licenses: 6 |
| user 304089172 | request | 4 licenses:accepted | avaliable licenses: 2 |
| user 1804289383 | request | 1 licenses:accepted | avaliable licenses: 1 |
| user 1189641421 | request | 2 licenses:failed | avaliable licenses: 1 |
| user 1967513926 | request | 4 licenses:failed | avaliable licenses: 1 |
| user 304089172 | release | 4 licenses | avaliable licenses: 5 |
| user 233665123 | request | 2 licenses:accepted | avaliable licenses: 3 |
| user 783368690 | request | 1 licenses:accepted | avaliable licenses: 2 |
| user 336465782 | release | 3 licenses | avaliable licenses: 5 |
| user 1681692777 | release | 1 licenses | avaliable licenses: 6 |
| user 233665123 | release | 2 licenses | avaliable licenses: 8 |
| user 1189641421 | request | 2 licenses:accepted | avaliable licenses: 6 |
| user 1804289383 | release | 1 licenses | avaliable licenses: 7 |
| user 521595368 | request | 1 licenses:accepted | avaliable licenses: 6 |
| user 1189641421 | release | 2 licenses | avaliable licenses: 8 |
| user 1967513926 | request | 5 licenses:accepted | avaliable licenses: 3 |
| user 783368690 | release | 1 licenses | avaliable licenses: 4 |
| user 304089172 | request | 2 licenses:accepted | avaliable licenses: 2 |