

.
.
. 302 121
. 0
.0
.0
.

·super easy: H,M
·easy: D,E,I,J,K
·medium easy: A,B,G,J
·medium: C,F

·super easy:
·easy:
·medium easy:
·medium:

.

P AC NP DN A 10 20 12 B 45 50 75 C 34 43 60 D 100 94 76 E 200 15 150 F 0 45 0 G 0 0 0 H 0 0 0 I 0 0 0 J 0 0 0

ybar stacked, y axis line style = opacity = 0 , width=height=.8legend style=at=(0.5,1), anchor=south,legend colu
[bar shift=3pt,bar width=6pt,legend style = at=(0.3,1),anchor=south west] [fill=rgb,255:red,156; green,255; blue,8
.

P AC NP DN A 11 196 12 B 16 189 75 C 0 7 60 D 40 422 76 E 84 1564 150 F 0 6 0 G 0 33 0 H 334 350 51 I 129 3

ybar stacked, y axis line style = opacity = 0 , width=height=.8legend style=at=(0.5,1), anchor=south,legend colu
[bar shift=3pt,bar width=6pt,legend style = at=(0.3,1),anchor=south west] [fill=rgb,255:red,156; green,255; blue,8

A. Ready Player One 2

n
A. Ready Player One 2
DP

dp

B. Ready Player One 3

m
B. Ready Player One 3
 $GCD +$

10^5

GCD

10^7

1

.C. Ready Player One 4

n
.C. Ready Player One 4
+

$A \quad B \quad B \quad C \quad C \quad A \quad A \quad A$

D. Ready Player One 5

D. Ready Player One 5

10^7 32MB

E. Valentine's Day

$n(n \leq 10^6)$

E. Valentine's Day

n^2

std::unique size
sort set map unordered_map,unordered_set

F. Plant tree?

$\cdot \qquad \leq Y$
 $\cdot \qquad \leq Z$

F. Plant tree?

$X \qquad Y \qquad Z$
 $\qquad i \qquad i+1 \qquad a_i$

Z

F. Plant tree?
F. Plant tree?

$Y^{X-2}.$

F. Plant tree? 9 $(X-1) \times Y \leq Z$ Z 1e12

.G. An Easy Math Problem

.G. An Easy Math Problem

5 7

1072134196258
366798129160

14268522776103012841538
134261388515642769896

H. GaoKaojiayou!!!

H. GaoKaojiayou!!!

QWQ.

?

QAQ

. I. Erica's Birthday

. I. Erica's Birthday

J. C C C C

- ,

,

.....

- map ,

L The Farmer's Trouble
, ,

K. Farmer's hedge.

1. $(x, y) \rightarrow (x, y), (x + \omega, y), (x + \omega, y + \omega)$
2. $(x, y) \rightarrow (x, y), (x, y + \omega), (x + \omega, y + \omega)$

```

-         https://www.luogu.com.cn/blog/EntropyInreaser/xie-er-bin-si-ji-san-jiao-xing-hu-wei-yun-suanblue
for (int j = 0; j <= i; j++)
    printf("%c", (i & j) == j ? '*' : ' ');

```

M.

M.

 lct trx lct trx trx lct trx | *trxn* |

