
















# CF616div2 Final rank 402

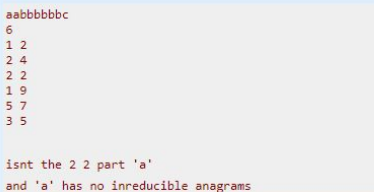
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Problems					
#	Name				
A	<a href="#">Even But Not Even</a>	standard input/output 1 s, 256 MB			 x6707
B	<a href="#">Array Sharpening</a>	standard input/output 1 s, 256 MB			 x4478
C	<a href="#">Mind Control</a>	standard input/output 1 s, 256 MB			 x2034
D	<a href="#">Irreducible Anagrams</a>	standard input/output 2 s, 256 MB			 x521
E	<a href="#">Prefix Enlightenment</a>	standard input/output 3 s, 256 MB			 x6
F	<a href="#">Coffee Varieties (easy version)</a>	standard input/output 1 s, 256 MB			 x7

[Complete problemset](#)

 [Ask a question](#)

Questions about problems				
#	Party	When	Question	Answer
90901	maxwill	2020-02-02 18:36:13	<a href="#">Problem D. Irreducible Anagrams</a>  isnt the 2 2 part 'a' and 'a' has no irreducible anagrams	Read the sample explantion



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## Codeforces Round #616 (Div. 2)

Final standings

You may double click into cells (or ctrl+click) to view the submissions history or hack the solution

#	Who	=	*	A 500	B 1000	C 1500	D 2000	E 2750	F 3000
1 (163)	<a href="#">alan8585</a>	3831		425 00:16	917 00:26	1313 00:39	1176 02:01		
2 (402)	<a href="#">maxwill</a>	3414		472 00:18	853 00:46	1092 01:25	997 02:29		
	Accepted Tried			6551 7402	4412 5763	2007 3002	513 1287	5 19	6 25

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The only programming contests Web 2.0 platform  
Server time: Feb/03/2020 03:17:50<sup>UTC+8</sup> (f2).  
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## Contests

#	Contest	Rank	Solved	Rating change	New rating	
9	<a href="#">Codeforces Round #616 (Div. 2)</a>	<a href="#">402</a>	<a href="#">4</a>	<a href="#">+101</a>	1709	
8	<a href="#">Educational Codeforces Round 81 (Rated for Div. 2)</a>	<a href="#">2371</a>	<a href="#">2</a>	-10	1608	
7	<a href="#">Codeforces Round #615 (Div. 2)</a>	<a href="#">353</a>	<a href="#">4</a>	<a href="#">+96</a>	1618	Became Expert <a href="#">maxwill</a> → <a href="#">maxwill</a>
6	<a href="#">Educational Codeforces Round 80 (Rated for Div. 2)</a>	<a href="#">2805</a>	<a href="#">2</a>	-23	1522	
5	<a href="#">Codeforces Round #613 (Div. 2)</a>	<a href="#">1895</a>	<a href="#">3</a>	<a href="#">+20</a>	1545	
4	<a href="#">Good Bye 2019</a>	<a href="#">3369</a>	<a href="#">3</a>	-11	1525	
3	<a href="#">Educational Codeforces Round 79 (Rated for Div. 2)</a>	<a href="#">2562</a>	<a href="#">3</a>	-22	1536	
2	<a href="#">Educational Codeforces Round 77 (Rated for Div. 2)</a>	<a href="#">1542</a>	<a href="#">3</a>	<a href="#">+21</a>	1558	
1	<a href="#">Educational Codeforces Round 75 (Rated for Div. 2)</a>	<a href="#">1427</a>	<a href="#">3</a>	<a href="#">+37</a>	1537	Became Specialist <a href="#">maxwill</a> → <a href="#">maxwill</a>

### → Pay attention

**Before contest**  
[AIM Tech Poorly Prepared Contest \(unrated, funny, Div. 1 preferred\)](#)  
20:44:44

[Like](#) 11 people like this. Be the first of your friends.

### → maxwill

Rating: **1709**  
Contribution: 0

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### → Top rated

#	User	Rating
1	<a href="#">tourist</a>	3549
2	<a href="#">MiFaFaOvO</a>	3520
3	<a href="#">Um_nik</a>	3378
4	<a href="#">apiadu</a>	3351
5	<a href="#">mnbvmr</a>	3281
6	<a href="#">LHIC</a>	3276
7	<a href="#">Benq</a>	3274
8	<a href="#">TLE</a>	3271
9	<a href="#">ainta</a>	3226
10	<a href="#">Radewoosh</a>	3206

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My contest submissions

#	When	Who	Problem	Lang	Verdict	Time	Memory
<a href="#">70084510</a>	Feb/03/2020 00:34 UTC+8	<a href="#">maxwill</a>	<a href="#">D - Irreducible Anagrams</a>	GNU C++17	Accepted	156 ms	94476 KB
<a href="#">70077839</a>	Feb/03/2020 00:07 UTC+8	<a href="#">maxwill</a>	<a href="#">D - Irreducible Anagrams</a>	GNU C++17	Wrong answer on pretest 4	77 ms	276 KB
<a href="#">70068274</a>	Feb/02/2020 23:30 UTC+8	<a href="#">maxwill</a>	<a href="#">C - Mind Control</a>	GNU C++17	Accepted	31 ms	24 KB
<a href="#">70055472</a>	Feb/02/2020 22:51 UTC+8	<a href="#">maxwill</a>	<a href="#">B - Array Sharpening</a>	GNU C++17	Accepted	93 ms	2356 KB
<a href="#">70042709</a>	Feb/02/2020 22:23 UTC+8	<a href="#">maxwill</a>	<a href="#">A - Even But Not Even</a>	GNU C++17	Accepted	46 ms	28 KB
<a href="#">70042546</a>	Feb/02/2020 22:23 UTC+8	<a href="#">maxwill</a>	<a href="#">A - Even But Not Even</a>	Python 3	Compilation error	0 ms	0 KB

### Codeforces Round #616 (Div. 2)

Finished

Practice



### → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

[Start virtual contest](#)

### → Practice

You are registered for practice. You can solve problems unofficially. Results can be found in the contest status and in the bottom of standings.

### → Clone Contest to Mashup

You can clone this contest to a mashup.

[Clone Contest](#)

### → Contest materials

- [Announcement \(en\)](#) ✕
- [Tutorial \(en\)](#) ✕

```

//gues contains 2 up inside(total 4)

int st[200005*4][30];

signed main()
{
    ios::sync_with_stdio(0);
    cin.tie(0);
    //freopen("in", "r", stdin);
    cin >> s;

    for (int i = 0; i < s.size(); i++)
        st[i][0] = (1 << (s[i] - 'a'));

    for (int j = 1; j <= 30; j++)
        for (int i = 0; i + (1 << j) <= s.size(); i++)
            st[i][j] = st[i][j-1] | st[i + (1 << (j - 1))][j - 1];

    cin >> q;
    while(q--)
    {
        cin >> l >> r;
        if(l == r) cout << "Yes\n"; //this is sure
        else{
            if(s[l-1] != s[r-1]) cout << "Yes\n"; //0-indexed //this is sure
            else
            {
                l--; r--;
                int sum = 0;
                for (int j = 30; j >= 0; j--) {
                    if ((1 << j) <= r - l + 1) {
                        sum |= st[l][j];
                        l += 1 << j;
                    }
                }
                if(__builtin_popcount(sum) >= 3) cout << "Yes\n";
                else cout << "No\n";
            }
        }
    }
}

```