

# Codeforces Online Judge

#### Prepared by: Mohamed Ayman

Algorithm Engineer at Valeo
Deep Learning Researcher and Teaching Assistant
at The American University in Cairo (AUC)
spring 2020





- sw.eng.MohamedAyman@gmail.com
- f facebook.com/cs.MohamedAyman
- in linkedin.com/in/cs-MohamedAyman
- github.com/cs-MohamedAyman
- codeforces.com/profile/Mohamed\_Ayman

## **Codeforces Online Judge - Phase 2.3**

We will discuss in this lecture the following topics

D . C
Data Structure
DUIU SII ULLUI E
DUCU DEI UCCUI C

2- Mathematical

3- String

4- Greedy

5- Brute Force

[25 problems]

[25 problems]

[25 problems]

[25 problems]

[5 problems]





Section 1: Data Structure

Section 2: Mathematical

Section 3: String

Section 4: Greedy

Section 5: Brute Force



#### **Codeforces - Data Structure**





[01]	CF-Round 333:	http://codeforces.com/problemset/problem/602/B
[02]	CF-Round 346:	http://codeforces.com/problemset/problem/659/B
[03]	CF-Round 369:	http://codeforces.com/problemset/problem/711/B
[04]	CF-Round 138:	http://codeforces.com/problemset/problem/224/B
[05]	CF-Round 147:	http://codeforces.com/problemset/problem/237/B
[06]	CF-Round 181:	http://codeforces.com/problemset/problem/300/B
[07]	CF-Round 193:	http://codeforces.com/problemset/problem/332/B
[80]	CF-Round 194:	http://codeforces.com/problemset/problem/334/B
[09]	CF-Round 216:	http://codeforces.com/problemset/problem/369/B
[10]	CF-Round 249:	http://codeforces.com/problemset/problem/435/B

[11] CF-Round 254: <a href="http://codeforces.com/problemset/problem/445/B">http://codeforces.com/problemset/problem/445/B</a>

[12] CF-Round 279: <a href="http://codeforces.com/problemset/problem/490/B">http://codeforces.com/problemset/problem/490/B</a>

#### **Codeforces - Data Structure Solutions**





[01]	CF-Round 333:	http://codeforces.com/contest/602/submission/53813039	
[02]	CF-Round 346.	httn://codeforces.com/contest/659/submission/53823305	

[03] CF-Round 369: <a href="http://codeforces.com/contest/711/submission/53841947">http://codeforces.com/contest/711/submission/53841947</a>

[04] CF-Round 138: http://codeforces.com/contest/224/submission/54437485

[05] CF-Round 147: <a href="http://codeforces.com/contest/237/submission/54437777">http://codeforces.com/contest/237/submission/54437777</a>

[06] CF-Round 181: http://codeforces.com/contest/300/submission/54438438

[07] CF-Round 193: <a href="http://codeforces.com/contest/332/submission/54438739">http://codeforces.com/contest/332/submission/54438739</a>

[08] CF-Round 194: <a href="http://codeforces.com/contest/334/submission/54439030">http://codeforces.com/contest/334/submission/54439030</a>

[09] CF-Round 216: <a href="http://codeforces.com/contest/369/submission/54442230">http://codeforces.com/contest/369/submission/54442230</a>

[10] CF-Round 249: <a href="http://codeforces.com/contest/435/submission/53842185">http://codeforces.com/contest/435/submission/53842185</a>

[11] CF-Round 254: <a href="http://codeforces.com/contest/445/submission/53842629">http://codeforces.com/contest/445/submission/53842629</a>

[12] CF-Round 279: <a href="http://codeforces.com/contest/490/submission/53849398">http://codeforces.com/contest/490/submission/53849398</a>



#### **Codeforces - Data Structure**





[13]	CF-Round 286:	http://codeforces.com/problemset/problem/505/B
[14]	CF-Round 296:	http://codeforces.com/problemset/problem/527/B

[15] CF-Round 297: http://codeforces.com/problemset/problem/525/B

[16] CF-Round 306: <a href="http://codeforces.com/problemset/problem/550/B">http://codeforces.com/problemset/problem/550/B</a>

[17] CF-Round 318: <a href="http://codeforces.com/problemset/problem/574/B">http://codeforces.com/problemset/problem/574/B</a>

[18] CF-Round 324: <a href="http://codeforces.com/problemset/problem/584/B">http://codeforces.com/problemset/problem/584/B</a>

[19] CF-Round 139: <a href="http://codeforces.com/problemset/problem/225/B">http://codeforces.com/problemset/problem/225/B</a>

[20] CF-Round 338: <a href="http://codeforces.com/problemset/problem/615/B">http://codeforces.com/problemset/problem/615/B</a>

[21] CF-Round 133: <a href="http://codeforces.com/problemset/problem/216/B">http://codeforces.com/problemset/problem/216/B</a>

[22] CF-Round 178: <a href="http://codeforces.com/problemset/problem/294/B">http://codeforces.com/problemset/problem/294/B</a>

[23] CF-Round 202: <a href="http://codeforces.com/problemset/problem/349/8">http://codeforces.com/problemset/problem/349/8</a>

[24] CF-Round 100: <a href="http://codeforces.com/problemset/problem/140/B">http://codeforces.com/problemset/problem/140/B</a>

#### **Codeforces - Data Structure Solutions**





[13]	CF-Round 286:	http://codeforces.com	/contest/505	<u>/submission/53850402</u>

[14] CF-Round 296: <a href="http://codeforces.com/contest/527/submission/53868739">http://codeforces.com/contest/527/submission/53868739</a>

[15] CF-Round 297: <a href="http://codeforces.com/contest/525/submission/53868869">http://codeforces.com/contest/525/submission/53868869</a>

[16] CF-Round 306: <a href="http://codeforces.com/contest/550/submission/53868971">http://codeforces.com/contest/550/submission/53868971</a>

[17] CF-Round 318: http://codeforces.com/contest/574/submission/53870856

[18] CF-Round 324: http://codeforces.com/contest/584/submission/53870612

[19] CF-Round 139: http://codeforces.com/contest/225/submission/54087748

[20] CF-Round 338: <a href="http://codeforces.com/contest/615/submission/54168051">http://codeforces.com/contest/615/submission/54168051</a>

[21] CF-Round 133: <a href="http://codeforces.com/contest/216/submission/54227213">http://codeforces.com/contest/216/submission/54227213</a>

[22] CF-Round 178: http://codeforces.com/contest/294/submission/54229588

[23] CF-Round 202: http://codeforces.com/contest/349/submission/54407793

[24] CF-Round 100: <a href="http://codeforces.com/contest/140/submission/54372082">http://codeforces.com/contest/140/submission/54372082</a>









✓ Section 1: Data Structure

Section 2: Mathematical

Section 3: String

Section 4: Greedy

Section 5: Brute Force



#### **Codeforces - Mathematical**







[02] CF-Round 298: <a href="http://codeforces.com/problemset/problem/534/B">http://codeforces.com/problemset/problem/534/B</a>

[03] CF-Round 300: <a href="http://codeforces.com/problemset/problem/538/B">http://codeforces.com/problemset/problem/538/B</a>

[04] CF-Round 326: <a href="http://codeforces.com/problemset/problem/588/B">http://codeforces.com/problemset/problem/588/B</a>

[05] CF-Round 355: <a href="http://codeforces.com/problemset/problem/677/B">http://codeforces.com/problemset/problem/677/B</a>

[06] CF-Round 365: http://codeforces.com/problemset/problem/703/B

[07] CF-Round 391: <a href="http://codeforces.com/problemset/problem/757/B">http://codeforces.com/problemset/problem/757/B</a>

[08] CF-Round 135: <a href="http://codeforces.com/problemset/problem/219/B">http://codeforces.com/problemset/problem/219/B</a>

[09] CF-Round 237: <a href="http://codeforces.com/problemset/problem/404/B">http://codeforces.com/problemset/problem/404/B</a>

[10] CF-Round 240: <a href="http://codeforces.com/problemset/problem/415/B">http://codeforces.com/problemset/problem/415/B</a>

[11] CF-Round 250: <a href="http://codeforces.com/problemset/problem/437/B">http://codeforces.com/problemset/problem/437/B</a>

[12] CF-Round 262: <a href="http://codeforces.com/problemset/problem/460/B">http://codeforces.com/problemset/problem/460/B</a>

[13] CF-Round 353: <a href="http://codeforces.com/problemset/problem/675/B">http://codeforces.com/problemset/problem/675/B</a>

[14] CF-Round 120: <a href="http://codeforces.com/problemset/problem/190/B">http://codeforces.com/problemset/problem/190/B</a>

[15] CF-Round 184: <a href="http://codeforces.com/problemset/problem/305/B">http://codeforces.com/problemset/problem/305/B</a>

#### **Codeforces - Mathematical Solutions**







[O2] CF-Round 298: <a href="http://codeforces.com/contest/534/submission/53811314">http://codeforces.com/contest/534/submission/53811314</a>

[03] CF-Round 300: <a href="http://codeforces.com/contest/538/submission/53811405">http://codeforces.com/contest/538/submission/53811405</a>

[04] CF-Round 326: http://codeforces.com/contest/588/submission/53812893

[05] CF-Round 355: http://codeforces.com/contest/677/submission/53840097

[06] CF-Round 365: http://codeforces.com/contest/703/submission/53840667

[07] CF-Round 391: <a href="http://codeforces.com/contest/757/submission/54436998">http://codeforces.com/contest/757/submission/54436998</a>

[08] CF-Round 135: <a href="http://codeforces.com/contest/219/submission/54437143">http://codeforces.com/contest/219/submission/54437143</a>

[09] CF-Round 237: <a href="http://codeforces.com/contest/404/submission/54444054">http://codeforces.com/contest/404/submission/54444054</a>

[10] CF-Round 240: http://codeforces.com/contest/415/submission/54444114

[11] CF-Round 250: <a href="http://codeforces.com/contest/437/submission/53842296">http://codeforces.com/contest/437/submission/53842296</a>

[12] CF-Round 262: http://codeforces.com/contest/460/submission/53849205

[13] CF-Round 353: <a href="http://codeforces.com/contest/675/submission/53871411">http://codeforces.com/contest/675/submission/53871411</a>

[14] CF-Round 120: <a href="http://codeforces.com/contest/190/submission/54087386">http://codeforces.com/contest/190/submission/54087386</a>

[15] CF-Round 184: <a href="http://codeforces.com/contest/305/submission/54160614">http://codeforces.com/contest/305/submission/54160614</a>



#### **Codeforces - Mathematical**





[16]	CF-Round 190:	http://codeforces.com/problemset/problem/322/B
[17]	CF-Round 219:	http://codeforces.com/problemset/problem/373/B
[18]	CF-Round 282:	http://codeforces.com/problemset/problem/495/B

- [19] CF-Round 329: <a href="http://codeforces.com/problemset/problem/593/B">http://codeforces.com/problemset/problem/593/B</a>
- [20] CF-Round 330: <a href="http://codeforces.com/problemset/problem/595/8">http://codeforces.com/problemset/problem/595/8</a>
- [21] CF-Round 172: <a href="http://codeforces.com/problemset/problem/281/B">http://codeforces.com/problemset/problem/281/B</a>
- [22] CF-Round 266: <a href="http://codeforces.com/problemset/problem/466/B">http://codeforces.com/problemset/problem/466/B</a>
- [23] CF-Round 275: <a href="http://codeforces.com/problemset/problem/483/B">http://codeforces.com/problemset/problem/483/B</a>
- [24] CF-Round 125: <a href="http://codeforces.com/problemset/problem/199/8">http://codeforces.com/problemset/problem/199/8</a>
- [25] CF-Round 195: <a href="http://codeforces.com/problemset/problem/336/B">http://codeforces.com/problemset/problem/336/B</a>
- [26] CF-Round 113: <a href="http://codeforces.com/problemset/problem/166/8">http://codeforces.com/problemset/problem/166/8</a>
- [27] CF-Round 198: http://codeforces.com/problemset/problem/340/B
- [28] CF-Round 224: <a href="http://codeforces.com/problemset/problem/382/B">http://codeforces.com/problemset/problem/382/B</a>
- [29] CF-Round 116: <a href="http://codeforces.com/problemset/problem/180/B">http://codeforces.com/problemset/problem/180/B</a>

#### **Codeforces - Mathematical Solutions**







[17] CF-Round 219: <a href="http://codeforces.com/contest/373/submission/54164599">http://codeforces.com/contest/373/submission/54164599</a>

[18] CF-Round 282: <a href="http://codeforces.com/contest/495/submission/54165383">http://codeforces.com/contest/495/submission/54165383</a>

[19] CF-Round 329: <a href="http://codeforces.com/contest/593/submission/54165754">http://codeforces.com/contest/593/submission/54165754</a>

[20] CF-Round 330: http://codeforces.com/contest/595/submission/54167684

[21] CF-Round 172: <a href="http://codeforces.com/contest/281/submission/54229138">http://codeforces.com/contest/281/submission/54229138</a>

[22] CF-Round 266: <a href="http://codeforces.com/contest/466/submission/54372703">http://codeforces.com/contest/466/submission/54372703</a>

[23] CF-Round 275: <a href="http://codeforces.com/contest/483/submission/54372838">http://codeforces.com/contest/483/submission/54372838</a>

[24] CF-Round 125: http://codeforces.com/contest/199/submission/53896765

[25] CF-Round 195: <a href="http://codeforces.com/contest/336/submission/53897172">http://codeforces.com/contest/336/submission/53897172</a>

[26] CF-Round 113: <a href="http://codeforces.com/contest/166/submission/53899529">http://codeforces.com/contest/166/submission/53899529</a>

[27] CF-Round 198: <a href="http://codeforces.com/contest/340/submission/54457824">http://codeforces.com/contest/340/submission/54457824</a>

[28] CF-Round 224: <a href="http://codeforces.com/contest/382/submission/53908869">http://codeforces.com/contest/382/submission/53908869</a>

[29] CF-Round 116: <a href="http://codeforces.com/contest/180/submission/54016248">http://codeforces.com/contest/180/submission/54016248</a>







✓ Section 1: Data Structure

✓ Section 2: Mathematical

Section 3: String

Section 4: Greedy

Section 5: Brute Force



### **Codeforces - String**





[01]	CF-Round 256:	http://codeforces.com/problemset/problem/448/B
[02]	CF-Round 362:	http://codeforces.com/problemset/problem/697/B
[03]	CF-Round 372:	http://codeforces.com/problemset/problem/716/B
[04]	CF-Round 373:	http://codeforces.com/problemset/problem/719/B
[05]	CF-Round 148:	http://codeforces.com/problemset/problem/239/B
[06]	CF-Round 170:	http://codeforces.com/problemset/problem/278/B
[07]	CF-Round 173:	http://codeforces.com/problemset/problem/282/B
[08]	CF-Round 199:	http://codeforces.com/problemset/problem/342/B
[09]	CF-Round 208:	http://codeforces.com/problemset/problem/358/B
[10]	CF-Round 253:	http://codeforces.com/problemset/problem/443/B
[11]	CF-Round 293:	http://codeforces.com/problemset/problem/518/B
[12]	CF-Round 336:	http://codeforces.com/problemset/problem/608/B

### **Codeforces - String Solutions**





[01]	CF-Round 256:	http://codeforces.com/contest/448/submission/53673230	

[O2] CF-Round 362: <a href="http://codeforces.com/contest/697/submission/53840185">http://codeforces.com/contest/697/submission/53840185</a>

[03] CF-Round 372: <a href="http://codeforces.com/contest/716/submission/53842011">http://codeforces.com/contest/716/submission/53842011</a>

[04] CF-Round 373: <a href="http://codeforces.com/contest/719/submission/53842083">http://codeforces.com/contest/719/submission/53842083</a>

[05] CF-Round 148: <a href="http://codeforces.com/contest/239/submission/54437876">http://codeforces.com/contest/239/submission/54437876</a>

[06] CF-Round 170: <a href="http://codeforces.com/contest/278/submission/54438145">http://codeforces.com/contest/278/submission/54438145</a>

[07] CF-Round 173: <a href="http://codeforces.com/contest/282/submission/54438195">http://codeforces.com/contest/282/submission/54438195</a>

[08] CF-Round 199: <a href="http://codeforces.com/contest/342/submission/54442087">http://codeforces.com/contest/342/submission/54442087</a>

[09] CF-Round 208: <a href="http://codeforces.com/contest/358/submission/54442160">http://codeforces.com/contest/358/submission/54442160</a>

[10] CF-Round 253: <a href="http://codeforces.com/contest/443/submission/53842681">http://codeforces.com/contest/443/submission/53842681</a>

[11] CF-Round 293: <a href="http://codeforces.com/contest/518/submission/53852962">http://codeforces.com/contest/518/submission/53852962</a>

[12] CF-Round 336: <a href="http://codeforces.com/contest/608/submission/53871126">http://codeforces.com/contest/608/submission/53871126</a>



### **Codeforces - String**





[13]	CF-Round 389:	http://codeforces.com/problemset/problem/752/B
[14]	CF-Round 106:	http://codeforces.com/problemset/problem/149/B
[15]	CF-Round 158:	http://codeforces.com/problemset/problem/260/B
[16]	CF-Round 168:	http://codeforces.com/problemset/problem/275/B
[17]	CF-Round 335:	http://codeforces.com/problemset/problem/606/B
[18]	CF-Round 114:	http://codeforces.com/problemset/problem/168/B
[19]	CF-Round 127:	http://codeforces.com/problemset/problem/202/B
[20]	CF-Round 130:	http://codeforces.com/problemset/problem/208/B
[21]	CF-Round 307:	http://codeforces.com/problemset/problem/551/B
[22]	CF-Round 347:	http://codeforces.com/problemset/problem/664/B

[23] CF-Round 233: <a href="http://codeforces.com/problemset/problem/399/B">http://codeforces.com/problemset/problem/399/B</a>

[24] CF-Round 179: <a href="http://codeforces.com/problemset/problem/296/B">http://codeforces.com/problemset/problem/296/B</a>

### **Codeforces - String Solutions**





[13]	CF-Round 389:	http://codeforces.com/contest/752/submission/54084953
[14]	CF-Round 106:	http://codeforces.com/contest/149/submission/54087310
[15]	CF-Round 158:	http://codeforces.com/contest/260/submission/54089422
[16]	CF-Round 168:	http://codeforces.com/contest/275/submission/54090690
[17]	CF-Round 335:	http://codeforces.com/contest/606/submission/54167951
[18]	CF-Round 114:	http://codeforces.com/contest/168/submission/54174211
[19]	CF-Round 127:	http://codeforces.com/contest/202/submission/54227212
[20]	CF-Round 130:	http://codeforces.com/contest/208/submission/54372241
[21]	CF-Round 307:	http://codeforces.com/contest/551/submission/54407016
[22]	CF-Round 347:	http://codeforces.com/contest/664/submission/54407235
[23]	CF-Round 233:	http://codeforces.com/contest/399/submission/53897469
[24]	CF-Round 179:	http://codeforces.com/contest/296/submission/53899830







- ✓ Section 1: Data Structure
- ✓ Section 2: Mathematical
- ✓ Section 3: String

Section 4: Greedy

Section 5: Brute Force



### **Codeforces - Greedy**





[01]	CF-Round 339:	http://codeforces.com/problemset/problem/614/B
[02]	CF-Round 351:	http://codeforces.com/problemset/problem/673/B
[03]	CF-Round 363:	http://codeforces.com/problemset/problem/699/B
[04]	CF-Round 385:	http://codeforces.com/problemset/problem/745/B
[05]	CF-Round 105:	http://codeforces.com/problemset/problem/148/B
[06]	CF-Round 112:	http://codeforces.com/problemset/problem/165/B
[07]	CF-Round 189:	http://codeforces.com/problemset/problem/320/B
[80]	CF-Round 225:	http://codeforces.com/problemset/problem/384/B
[09]	CF-Round 281:	http://codeforces.com/problemset/problem/493/B
[10]	CF-Round 290:	http://codeforces.com/problemset/problem/510/B
[11]	CF-Round 311:	http://codeforces.com/problemset/problem/557/B
[12]	CF-Round 321:	http://codeforces.com/problemset/problem/580/B
[13]	CF-Round 332:	http://codeforces.com/problemset/problem/599/B

[14] CF-Round 354: <a href="http://codeforces.com/problemset/problem/676/B">http://codeforces.com/problemset/problem/676/B</a>

#### **Codeforces - Greedy Solutions**







**CF-Round 351:** http://codeforces.com/contest/673/submission/53839900

**CF-Round 363:** http://codeforces.com/contest/699/submission/53840315

**CF-Round 385:** http://codeforces.com/contest/745/submission/54436945

**CF-Round 105:** http://codeforces.com/contest/148/submission/54437051

CF-Round 112: http://codeforces.com/contest/165/submission/54437113

CF-Round 189: http://codeforces.com/contest/320/submission/54438607

http://codeforces.com/contest/384/submission/54444003 CF-Round 225:

CF-Round 281: http://codeforces.com/contest/493/submission/53849602

**CF-Round 290:** http://codeforces.com/contest/510/submission/53850936

**CF-Round 311:** http://codeforces.com/contest/557/submission/53868996

**CF-Round 321:** http://codeforces.com/contest/580/submission/53870571

CF-Round 332: http://codeforces.com/contest/599/submission/53870969

CF-Round 354: http://codeforces.com/contest/676/submission/53871560



### **Codeforces - Greedy**





[15]	CF-Round 383:	http://codeforces.com/problemset/problem/742/B
[16]	CF-Round 393:	http://codeforces.com/problemset/problem/760/B
[17]	CF-Round 143:	http://codeforces.com/problemset/problem/231/B
[18]	CF-Round 203:	http://codeforces.com/problemset/problem/350/B
[19]	CF-Round 220:	http://codeforces.com/problemset/problem/374/B
[20]	CF-Round 230:	http://codeforces.com/problemset/problem/393/B
[21]	CF-Round 361:	http://codeforces.com/problemset/problem/689/B
[22]	CF-Round 399:	http://codeforces.com/problemset/problem/768/B
[23]	CF-Round 176:	http://codeforces.com/problemset/problem/287/B
[24]	CF-Round 301:	http://codeforces.com/problemset/problem/540/B
[25]	CF-Round 205:	http://codeforces.com/problemset/problem/353/B
[26]	CF-Round 229:	http://codeforces.com/problemset/problem/390/B
[27]	CF-Round 319:	http://codeforces.com/problemset/problem/577/B

#### **Codeforces - Greedy Solutions**





[15]	CF-Round 383:	http://	codeforces.c	om/contes	t/742	/submission	/54084812	

- [16] CF-Round 393: <a href="http://codeforces.com/contest/760/submission/54086841">http://codeforces.com/contest/760/submission/54086841</a>
- [17] CF-Round 143: <a href="http://codeforces.com/contest/231/submission/54088968">http://codeforces.com/contest/231/submission/54088968</a>
- [18] CF-Round 203: <a href="http://codeforces.com/contest/350/submission/54161000">http://codeforces.com/contest/350/submission/54161000</a>
- [19] CF-Round 220: http://codeforces.com/contest/374/submission/54164728
- [20] CF-Round 230: http://codeforces.com/contest/393/submission/54165081
- [21] CF-Round 361: <a href="http://codeforces.com/contest/689/submission/54170258">http://codeforces.com/contest/689/submission/54170258</a>
- [22] CF-Round 399: http://codeforces.com/contest/768/submission/54170508
- [23] CF-Round 176: http://codeforces.com/contest/287/submission/54229471
- [24] CF-Round 301: http://codeforces.com/contest/540/submission/54407326
- [25] CE Dound 205: http://codeferens.com/contact/252/cubmicsion/5/272/01
- [25] CF-Round 205: <a href="http://codeforces.com/contest/353/submission/54372401">http://codeforces.com/contest/353/submission/54372401</a>
- [26] CF-Round 229: <a href="http://codeforces.com/contest/390/submission/54372466">http://codeforces.com/contest/390/submission/54372466</a>
- [27] CF-Round 319: <a href="http://codeforces.com/contest/577/submission/54407091">http://codeforces.com/contest/577/submission/54407091</a>







- ✓ Section 1: Data Structure
- ✓ Section 2: Mathematical
- ✓ Section 3: String
- ✓ Section 4: Greedy

**Section 5: Brute Force** 



### **Codeforces - Brute Force**





[01]	CF-Round 144:	http://codeforces.com/problemset/problem/233/B
[02]	CF-Round 155:	http://codeforces.com/problemset/problem/254/B
[03]	CF-Round 283:	http://codeforces.com/problemset/problem/496/B
[04]	CF-Round 131:	http://codeforces.com/problemset/problem/214/B
[05]	CF-Round 150:	http://codeforces.com/problemset/problem/244/B
[06]	CF-Round 153:	http://codeforces.com/problemset/problem/252/B
[07]	CF-Round 278:	http://codeforces.com/problemset/problem/488/B
[80]	CF-Round 398:	http://codeforces.com/problemset/problem/767/B

### **Codeforces - Brute Force Solutions**





[01]	CF-Round 144:	http://codeforces.com/contest/233/submission/54437596
[02]	CF-Round 155:	http://codeforces.com/contest/254/submission/54438049
[03]	CF-Round 283:	http://codeforces.com/contest/496/submission/53849760
[04]	CF-Round 131:	http://codeforces.com/contest/214/submission/54087676
[05]	CF-Round 150:	http://codeforces.com/contest/244/submission/54089071
[06]	CF-Round 153:	http://codeforces.com/contest/252/submission/54227354
[07]	CF-Round 278:	http://codeforces.com/contest/488/submission/54373011
[80]	CF-Round 398:	http://codeforces.com/contest/767/submission/54016134





- ✓ Section 1: Data Structure
- ✓ Section 2: Mathematical
- ✓ Section 3: String
- ✓ Section 4: Greedy
- ✓ Section 5: Brute Force



