

# Codeforces Online Judge

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# Codeforces Online Judge - Phase 1.1

# Lecture Agenda

We will discuss in this lecture  
the following topics

- |                            |               |
|----------------------------|---------------|
| 1- Basic Operator Problems | [5 problems]  |
| 2- Condition Problems      | [11 problems] |
| 3- Loop Problems           | [21 problems] |
| 4- String Problems         | [22 problems] |
| 5- List Problems           | [40 problems] |

A top-down view of a white desk. On the left, a person's hands are typing on a white Apple keyboard. Above the keyboard is a white Apple mouse. To the right of the mouse is a bright yellow wristwatch with a black face. In the bottom right corner, the top of a white smartphone is visible. The text "Let's STARTUP" is centered on the desk. "Let's" is in a small, grey, sans-serif font. "STARTUP" is in a large, bold, sans-serif font. "START" is black with a white speckled texture, and "UP" is solid red with a white speckled texture.

Let's  
**STARTUP**

# Lecture Agenda

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**Section 1: Basic Operator Problems**

Section 2: Condition Problems

Section 3: Loop Problems

Section 4: String Problems

Section 5: List Problems



# Basic Operator Problems

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- [01] CF-Round 340: <http://codeforces.com/problemset/problem/617/A>
- [02] CF-Round 304: <http://codeforces.com/problemset/problem/546/A>
- [03] CF-Round 395: <http://codeforces.com/problemset/problem/764/A>
- [04] CF-Round 107: <http://codeforces.com/problemset/problem/151/A>
- [05] CF-Round 256: <http://codeforces.com/problemset/problem/448/A>



# Basic Operator Problems Solution

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- [01] CF-Round 340: <http://codeforces.com/contest/617/submission/26588156>
- [02] CF-Round 304: <http://codeforces.com/contest/546/submission/26636084>
- [03] CF-Round 395: <http://codeforces.com/contest/764/submission/26777792>
- [04] CF-Round 107: <http://codeforces.com/contest/151/submission/30904768>
- [05] CF-Round 256: <http://codeforces.com/contest/448/submission/30730442>







# Lecture Agenda

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✓ Section 1: Basic Operator Problems

**Section 2: Condition Problems**

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# Condition Problems

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- [01] CF-Round 322: <http://codeforces.com/problemset/problem/581/A>
- [02] CF-Round 388: <http://codeforces.com/problemset/problem/749/A>
- [03] CF-Round 172: <http://codeforces.com/problemset/problem/281/A>
- [04] CF-Round 348: <http://codeforces.com/problemset/problem/669/A>
- [05] CF-Round 101: <http://codeforces.com/problemset/problem/141/A>
- [06] CF-Round 186: <http://codeforces.com/problemset/problem/313/A>
- [07] CF-Round 389: <http://codeforces.com/problemset/problem/752/A>
- [08] CF-Round 393: <http://codeforces.com/problemset/problem/760/A>
- [09] CF-Round 114: <http://codeforces.com/problemset/problem/168/A>
- [10] CF-Round 188: <http://codeforces.com/problemset/problem/318/A>
- [11] CF-Round 258: <http://codeforces.com/problemset/problem/451/A>



# Condition Problems Solution

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- [01] CF-Round 322: <http://codeforces.com/contest/581/submission/30658545>
- [02] CF-Round 388: <http://codeforces.com/contest/749/submission/26635688>
- [03] CF-Round 172: <http://codeforces.com/contest/281/submission/29076395>
- [04] CF-Round 348: <http://codeforces.com/contest/669/submission/45913066>
- [05] CF-Round 101: <http://codeforces.com/contest/141/submission/29097031>
- [06] CF-Round 186: <http://codeforces.com/contest/313/submission/26970399>
- [07] CF-Round 389: <http://codeforces.com/contest/752/submission/46815558>
- [08] CF-Round 393: <http://codeforces.com/contest/760/submission/46635251>
- [09] CF-Round 114: <http://codeforces.com/contest/168/submission/45913252>
- [10] CF-Round 188: <http://codeforces.com/contest/318/submission/26636360>
- [11] CF-Round 258: <http://codeforces.com/contest/451/submission/26694629>





# Lecture Agenda

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✓ Section 1: Basic Operator Problems

✓ Section 2: Condition Problems

**Section 3: Loop Problems**

Section 4: String Problems

Section 5: List Problems



# Loop Problems

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- [01] CF-Round 366: <http://codeforces.com/problemset/problem/705/A>
- [02] CF-Round 200: <http://codeforces.com/problemset/problem/344/A>
- [03] CF-Round 365: <http://codeforces.com/problemset/problem/703/A>
- [04] CF-Round 143: <http://codeforces.com/problemset/problem/231/A>
- [05] CF-Round 144: <http://codeforces.com/problemset/problem/233/A>
- [06] CF-Round 210: <http://codeforces.com/problemset/problem/361/A>
- [07] CF-Round 222: <http://codeforces.com/problemset/problem/378/A>
- [08] CF-Round 259: <http://codeforces.com/problemset/problem/454/A>
- [09] CF-Round 267: <http://codeforces.com/problemset/problem/467/A>
- [10] CF-Round 352: <http://codeforces.com/problemset/problem/672/A>
- [11] CF-Round 357: <http://codeforces.com/problemset/problem/681/A>
- [12] CF-Round 359: <http://codeforces.com/problemset/problem/686/A>
- [13] CF-Round 377: <http://codeforces.com/problemset/problem/732/A>
- [14] CF-Round 386: <http://codeforces.com/problemset/problem/746/A>
- [15] CF-Round 105: <http://codeforces.com/problemset/problem/148/A>
- [16] CF-Round 152: <http://codeforces.com/problemset/problem/248/A>



# Loop Problems Solution

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- [01] CF-Round 366: <http://codeforces.com/contest/705/submission/30658456>
- [02] CF-Round 200: <http://codeforces.com/contest/344/submission/30492430>
- [03] CF-Round 365: <http://codeforces.com/contest/703/submission/30699914>
- [04] CF-Round 143: <http://codeforces.com/contest/231/submission/30413988>
- [05] CF-Round 144: <http://codeforces.com/contest/233/submission/26780994>
- [06] CF-Round 210: <http://codeforces.com/contest/361/submission/46033666>
- [07] CF-Round 222: <http://codeforces.com/contest/378/submission/30911740>
- [08] CF-Round 259: <http://codeforces.com/contest/454/submission/30911329>
- [09] CF-Round 267: <http://codeforces.com/contest/467/submission/30447282>
- [10] CF-Round 352: <http://codeforces.com/contest/672/submission/30940717>
- [11] CF-Round 357: <http://codeforces.com/contest/681/submission/30913857>
- [12] CF-Round 359: <http://codeforces.com/contest/686/submission/30909001>
- [13] CF-Round 377: <http://codeforces.com/contest/732/submission/26767349>
- [14] CF-Round 386: <http://codeforces.com/contest/746/submission/26780304>
- [15] CF-Round 105: <http://codeforces.com/contest/148/submission/26765348>
- [16] CF-Round 152: <http://codeforces.com/contest/248/submission/46576495>



# Loop Problems

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- [17] CF-Round 166: <http://codeforces.com/problemset/problem/271/A>
- [18] CF-Round 247: <http://codeforces.com/problemset/problem/431/A>
- [19] CF-Round 270: <http://codeforces.com/problemset/problem/472/A>
- [20] CF-Round 280: <http://codeforces.com/problemset/problem/492/A>
- [21] CF-Round 400: <http://codeforces.com/problemset/problem/776/A>





# Loop Problems Solution

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- [17] CF-Round 166: <http://codeforces.com/contest/271/submission/30447943>
- [18] CF-Round 247: <http://codeforces.com/contest/431/submission/30907042>
- [19] CF-Round 270: <http://codeforces.com/contest/472/submission/26765450>
- [20] CF-Round 280: <http://codeforces.com/contest/492/submission/30658221>
- [21] CF-Round 400: <http://codeforces.com/contest/776/submission/46822791>





# Lecture Agenda

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✓ Section 1: Basic Operator Problems

✓ Section 2: Condition Problems

✓ Section 3: Loop Problems

**Section 4: String Problems**

Section 5: List Problems



# String Problems

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- [01] CF-Round 369: <http://codeforces.com/problemset/problem/711/A>
- [02] CF-Round 374: <http://codeforces.com/problemset/problem/721/A>
- [03] CF-Round 379: <http://codeforces.com/problemset/problem/734/A>
- [04] CF-Round 162: <http://codeforces.com/problemset/problem/265/A>
- [05] CF-Round 163: <http://codeforces.com/problemset/problem/266/A>
- [06] CF-Round 225: <http://codeforces.com/problemset/problem/384/A>
- [07] CF-Round 253: <http://codeforces.com/problemset/problem/443/A>
- [08] CF-Round 343: <http://codeforces.com/problemset/problem/629/A>
- [09] CF-Round 360: <http://codeforces.com/problemset/problem/688/A>
- [10] CF-Round 376: <http://codeforces.com/problemset/problem/731/A>
- [11] CF-Round 127: <http://codeforces.com/problemset/problem/202/A>
- [12] CF-Round 173: <http://codeforces.com/problemset/problem/282/A>
- [13] CF-Round 197: <http://codeforces.com/problemset/problem/339/A>
- [14] CF-Round 265: <http://codeforces.com/problemset/problem/465/A>
- [15] CF-Round 295: <http://codeforces.com/problemset/problem/520/A>
- [16] CF-Round 301: <http://codeforces.com/problemset/problem/540/A>



# String Problems Solution

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- [01] CF-Round 369: <http://codeforces.com/contest/711/submission/30697842>
- [02] CF-Round 374: <http://codeforces.com/contest/721/submission/30743838>
- [03] CF-Round 379: <http://codeforces.com/contest/734/submission/29097262>
- [04] CF-Round 162: <http://codeforces.com/contest/265/submission/46198607>
- [05] CF-Round 163: <http://codeforces.com/contest/266/submission/30446704>
- [06] CF-Round 225: <http://codeforces.com/contest/384/submission/30940510>
- [07] CF-Round 253: <http://codeforces.com/contest/443/submission/46654675>
- [08] CF-Round 343: <http://codeforces.com/contest/629/submission/46636284>
- [09] CF-Round 360: <http://codeforces.com/contest/688/submission/30910256>
- [10] CF-Round 376: <http://codeforces.com/contest/731/submission/29097590>
- [11] CF-Round 127: <http://codeforces.com/contest/202/submission/29100009>
- [12] CF-Round 173: <http://codeforces.com/contest/282/submission/30414143>
- [13] CF-Round 197: <http://codeforces.com/contest/339/submission/29076259>
- [14] CF-Round 265: <http://codeforces.com/contest/465/submission/46204107>
- [15] CF-Round 295: <http://codeforces.com/contest/520/submission/30548297>
- [16] CF-Round 301: <http://codeforces.com/contest/540/submission/30658906>



# String Problems

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- [17] CF-Round 309: <http://codeforces.com/problemset/problem/554/A>
- [18] CF-Round 347: <http://codeforces.com/problemset/problem/664/A>
- [19] CF-Round 385: <http://codeforces.com/problemset/problem/745/A>
- [20] CF-Round 397: <http://codeforces.com/problemset/problem/765/A>
- [21] CF-Round 104: <http://codeforces.com/problemset/problem/146/A>
- [22] CF-Round 189: <http://codeforces.com/problemset/problem/320/A>



# String Problems Solution

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- [17] CF-Round 309: <http://codeforces.com/contest/554/submission/46205751>
- [18] CF-Round 347: <http://codeforces.com/contest/664/submission/26638696>
- [19] CF-Round 385: <http://codeforces.com/contest/745/submission/29098051>
- [20] CF-Round 397: <http://codeforces.com/contest/765/submission/46815188>
- [21] CF-Round 104: <http://codeforces.com/contest/146/submission/41906498>
- [22] CF-Round 189: <http://codeforces.com/contest/320/submission/30938111>







# Lecture Agenda

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✓ Section 1: Basic Operator Problems

✓ Section 2: Condition Problems

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**Section 5: List Problems**



# List Problems

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- [01] CF-Round 161: <http://codeforces.com/problemset/problem/263/A>
- [02] CF-Round 289: <http://codeforces.com/problemset/problem/509/A>
- [03] CF-Round 330: <http://codeforces.com/problemset/problem/595/A>
- [04] CF-Round 355: <http://codeforces.com/problemset/problem/677/A>
- [05] CF-Round 392: <http://codeforces.com/problemset/problem/758/A>
- [06] CF-Round 141: <http://codeforces.com/problemset/problem/228/A>
- [07] CF-Round 146: <http://codeforces.com/problemset/problem/236/A>
- [08] CF-Round 156: <http://codeforces.com/problemset/problem/255/A>
- [09] CF-Round 160: <http://codeforces.com/problemset/problem/262/A>
- [10] CF-Round 164: <http://codeforces.com/problemset/problem/268/A>
- [11] CF-Round 223: <http://codeforces.com/problemset/problem/381/A>
- [12] CF-Round 243: <http://codeforces.com/problemset/problem/426/A>
- [13] CF-Round 244: <http://codeforces.com/problemset/problem/427/A>
- [14] CF-Round 290: <http://codeforces.com/problemset/problem/510/A>
- [15] CF-Round 338: <http://codeforces.com/problemset/problem/615/A>
- [16] CF-Round 364: <http://codeforces.com/problemset/problem/701/A>



# List Problems Solution

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- [01] CF-Round 161: <http://codeforces.com/contest/263/submission/30446917>
- [02] CF-Round 289: <http://codeforces.com/contest/509/submission/30698678>
- [03] CF-Round 330: <http://codeforces.com/contest/595/submission/46060478>
- [04] CF-Round 355: <http://codeforces.com/contest/677/submission/30658065>
- [05] CF-Round 392: <http://codeforces.com/contest/758/submission/30733525>
- [06] CF-Round 141: <http://codeforces.com/contest/228/submission/30546158>
- [07] CF-Round 146: <http://codeforces.com/contest/236/submission/46646751>
- [08] CF-Round 156: <http://codeforces.com/contest/255/submission/30936641>
- [09] CF-Round 160: <http://codeforces.com/contest/262/submission/46012240>
- [10] CF-Round 164: <http://codeforces.com/contest/268/submission/30492491>
- [11] CF-Round 223: <http://codeforces.com/contest/381/submission/37743183>
- [12] CF-Round 243: <http://codeforces.com/contest/426/submission/46485179>
- [13] CF-Round 244: <http://codeforces.com/contest/427/submission/30679886>
- [14] CF-Round 290: <http://codeforces.com/contest/510/submission/30547200>
- [15] CF-Round 338: <http://codeforces.com/contest/615/submission/30904864>
- [16] CF-Round 364: <http://codeforces.com/contest/701/submission/30744434>



# List Problems

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- [17] CF-Round 372: <http://codeforces.com/problemset/problem/716/A>
- [18] CF-Round 375: <http://codeforces.com/problemset/problem/723/A>
- [19] CF-Round 103: <http://codeforces.com/problemset/problem/144/A>
- [20] CF-Round 109: <http://codeforces.com/problemset/problem/155/A>
- [21] CF-Round 170: <http://codeforces.com/problemset/problem/278/A>
- [22] CF-Round 178: <http://codeforces.com/problemset/problem/294/A>
- [23] CF-Round 192: <http://codeforces.com/problemset/problem/330/A>
- [24] CF-Round 235: <http://codeforces.com/problemset/problem/401/A>
- [25] CF-Round 239: <http://codeforces.com/problemset/problem/408/A>
- [26] CF-Round 240: <http://codeforces.com/problemset/problem/415/A>
- [27] CF-Round 246: <http://codeforces.com/problemset/problem/432/A>
- [28] CF-Round 255: <http://codeforces.com/problemset/problem/447/A>
- [29] CF-Round 279: <http://codeforces.com/problemset/problem/490/A>
- [30] CF-Round 351: <http://codeforces.com/problemset/problem/673/A>
- [31] CF-Round 356: <http://codeforces.com/problemset/problem/680/A>
- [32] CF-Round 370: <http://codeforces.com/problemset/problem/712/A>



# List Problems Solution

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- [17] CF-Round 372: <http://codeforces.com/contest/716/submission/30733627>
- [18] CF-Round 375: <http://codeforces.com/contest/723/submission/30658510>
- [19] CF-Round 103: <http://codeforces.com/contest/144/submission/30492021>
- [20] CF-Round 109: <http://codeforces.com/contest/155/submission/30658351>
- [21] CF-Round 170: <http://codeforces.com/contest/278/submission/46573525>
- [22] CF-Round 178: <http://codeforces.com/contest/294/submission/46573453>
- [23] CF-Round 192: <http://codeforces.com/contest/330/submission/30906958>
- [24] CF-Round 235: <http://codeforces.com/contest/401/submission/30940153>
- [25] CF-Round 239: <http://codeforces.com/contest/408/submission/46510584>
- [26] CF-Round 240: <http://codeforces.com/contest/415/submission/46485661>
- [27] CF-Round 246: <http://codeforces.com/contest/432/submission/30659002>
- [28] CF-Round 255: <http://codeforces.com/contest/447/submission/46816841>
- [29] CF-Round 279: <http://codeforces.com/contest/490/submission/30727854>
- [30] CF-Round 351: <http://codeforces.com/contest/673/submission/46357746>
- [31] CF-Round 356: <http://codeforces.com/contest/680/submission/46357145>
- [32] CF-Round 370: <http://codeforces.com/contest/712/submission/46355311>



# List Problems

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- [33] CF-Round 111: <http://codeforces.com/problemset/problem/160/A>
- [34] CF-Round 129: <http://codeforces.com/problemset/problem/205/A>
- [35] CF-Round 132: <http://codeforces.com/problemset/problem/215/A>
- [36] CF-Round 142: <http://codeforces.com/problemset/problem/230/A>
- [37] CF-Round 150: <http://codeforces.com/problemset/problem/244/A>
- [38] CF-Round 167: <http://codeforces.com/problemset/problem/272/A>
- [39] CF-Round 168: <http://codeforces.com/problemset/problem/275/A>
- [40] CF-Round 196: <http://codeforces.com/problemset/problem/337/A>



# List Problems Solution

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- [33] CF-Round 111: <http://codeforces.com/contest/160/submission/30446834>
- [34] CF-Round 129: <http://codeforces.com/contest/205/submission/46587853>
- [35] CF-Round 132: <http://codeforces.com/contest/215/submission/46577345>
- [36] CF-Round 142: <http://codeforces.com/contest/230/submission/30550539>
- [37] CF-Round 150: <http://codeforces.com/contest/244/submission/46576797>
- [38] CF-Round 167: <http://codeforces.com/contest/272/submission/26967540>
- [39] CF-Round 168: <http://codeforces.com/contest/275/submission/46576227>
- [40] CF-Round 196: <http://codeforces.com/contest/337/submission/30447818>



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- ✓ Section 1: Basic Operator Problems
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DO  
MORE.