Codeforces Online Judge

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Codeforces Online Judge - Phase 3.2

We will discuss in this lecture the following topics

1- Divide and Conquer Problems	[5 problems]
2- Graph Problems	[10 problems]
3- String Problems	[10 problems]
4- Data Structures Problems	[25 problems]
5- Mathematical Problems	[25 problems]
6- Greedy Problems	[25 nrohlems]





Section 1: Divide and Conquer Problems



Section 2: Graph Problems

Section 3: String Problems

Section 4: Data Structures Problems

Section 5: Mathematical Problems

Section 6: Greedy Problems



Divide and Conquer Problems

[01] CF-Round 417: http://codeforces.com/contest/812/problem/C
 [02] CF-Round 491: http://codeforces.com/contest/991/problem/C
 [03] CF-Round 218: http://codeforces.com/contest/371/problem/C
 [04] CF-Round 379: http://codeforces.com/contest/734/problem/C
 [05] CF-Round 404: http://codeforces.com/contest/785/problem/C



Divide and Conquer Problems Solution

[01] CF-Round 417: https://codeforces.com/contest/812/submission/65238922

[O2] CF-Round 491: https://codeforces.com/contest/991/submission/65311770

[03] CF-Round 218: https://codeforces.com/contest/371/submission/65470315

[04] CF-Round 379: https://codeforces.com/contest/734/submission/66145381

[05] CF-Round 404: https://codeforces.com/contest/785/submission/66146899











✓ Section 1: Divide and Conquer Problems



Section 3: String Problems

Section 4: Data Structures Problems

Section 5: Mathematical Problems

Section 6: Greedy Problems



Graph Problems

[01]	CF-Round 484:	http://codeforces.com/contest/982/problem/C
[02]	CF-Round 222:	http://codeforces.com/contest/377/problem/A
[03]	CF-Round 333:	http://codeforces.com/contest/601/problem/A
[04]	CF-Round 376:	http://codeforces.com/contest/731/problem/C
[05]	CF-Round 383:	http://codeforces.com/contest/741/problem/A
[06]	CF-Round 393:	http://codeforces.com/contest/759/problem/A
[07]	CF-Round 395:	http://codeforces.com/contest/763/problem/A
[80]	CF-Round 482:	http://codeforces.com/contest/979/problem/C



Graph Problems Solution

[01]	CF-Round 484:	https://codeforces.com/contest/982/submission/73582797
[02]	CF-Round 222:	https://codeforces.com/contest/377/submission/65485169
[03]	CF-Round 333:	https://codeforces.com/contest/601/submission/66132357
[04]	CF-Round 376:	https://codeforces.com/contest/731/submission/80057785
[05]	CF-Round 383:	https://codeforces.com/contest/741/submission/80057173
[06]	CF-Round 393:	https://codeforces.com/contest/759/submission/80293449
[07]	CF-Round 395:	https://codeforces.com/contest/763/submission/79983182
[80]	CF-Round 482:	https://codeforces.com/contest/979/submission/79973225







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✓ Section 1: Divide and Conquer Problems



- ✓ Section 2: Graph Problems
 - **Section 3: String Problems**

Section 4: Greedy Problems

Section 5: Mathematical Problems

Section 6: Greedy Problems



String Problems

[01]	CF-Round 103:	http://codeforces.com/contest/144/problem/C
[02]	CF-Round 108:	http://codeforces.com/contest/152/problem/C
[03]	CF-Round 192:	http://codeforces.com/contest/329/problem/A
[04]	CF-Round 354:	http://codeforces.com/contest/676/problem/C
[05]	CF-Round 355:	http://codeforces.com/contest/677/problem/C
[06]	CF-Round 371:	http://codeforces.com/contest/713/problem/A
[07]	CF-Round 405:	http://codeforces.com/contest/790/problem/A
[80]	CF-Round 434:	http://codeforces.com/contest/860/problem/A
[09]	CF-Round 466:	http://codeforces.com/contest/940/problem/C
[10]	CF-Round 135:	http://codeforces.com/contest/219/problem/C
[11]	CF-Round 367:	http://codeforces.com/contest/706/problem/C
[12]	CF-Round 454:	http://codeforces.com/contest/906/problem/A



String Problems Solution

[01]	CF-Round 103:	https://codeforces.com/contest/144/submission/55743910
[02]	CF-Round 108:	https://codeforces.com/contest/152/submission/55957518
[03]	CF-Round 192:	https://codeforces.com/contest/329/submission/56005003
[04]	CF-Round 354:	https://codeforces.com/contest/676/submission/65299774
[05]	CF-Round 355:	https://codeforces.com/contest/677/submission/65297376
[06]	CF-Round 371:	https://codeforces.com/contest/713/submission/65285113
[07]	CF-Round 405:	https://codeforces.com/contest/790/submission/65250760
[08]	CF-Round 434:	https://codeforces.com/contest/860/submission/70987416
[09]	CF-Round 466:	https://codeforces.com/contest/940/submission/73589291
[10]	CF-Round 135:	https://codeforces.com/contest/219/submission/65417659
[11]	CF-Round 367:	https://codeforces.com/contest/706/submission/66143782
[12]	CF-Round 454:	https://codeforces.com/contest/906/submission/80300935







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✓ Section 1: Divide and Conquer Problems



- ✓ Section 2: Graph Problems
- ✓ Section 3: String Problems

Section 4: Data Structures Problems

Section 5: Mathematical Problems

Section 6: Greedy Problems



Data Structures Problems

[01]	CF-Round 168:	http://codeforces.com/contest/274/problem/A
[02]	CF-Round 169:	http://codeforces.com/contest/276/problem/C
[03]	CF-Round 174:	http://codeforces.com/contest/283/problem/A
[04]	CF-Round 184:	http://codeforces.com/contest/305/problem/C
[05]	CF-Round 205:	http://codeforces.com/contest/353/problem/C
[06]	CF-Round 241:	http://codeforces.com/contest/416/problem/C
[07]	CF-Round 243:	http://codeforces.com/contest/425/problem/A
[80]	CF-Round 260:	http://codeforces.com/contest/455/problem/A
[09]	CF-Round 293:	http://codeforces.com/contest/518/problem/C
[10]	CF-Round 316:	http://codeforces.com/contest/570/problem/C
[11]	CF-Round 332:	http://codeforces.com/contest/599/problem/C
[12]	CF-Round 336:	http://codeforces.com/contest/607/problem/A
[13]	CF-Round 357:	http://codeforces.com/contest/681/problem/C
[14]	CF-Round 366:	http://codeforces.com/contest/704/problem/A
[15]	CF-Round 388:	http://codeforces.com/contest/749/problem/C
[16]	CF-Round 394:	http://codeforces.com/contest/761/problem/C



Data Structures Problems Solution

[01]	CF-Round 168:	https://codeforces.com/contest/274/submission/65422743
[02]	CF-Round 169:	https://codeforces.com/contest/276/submission/65424928
[03]	CF-Round 174:	https://codeforces.com/contest/283/submission/65430777
[04]	CF-Round 184:	https://codeforces.com/contest/305/submission/73408686
[05]	CF-Round 205:	https://codeforces.com/contest/353/submission/73411938
[06]	CF-Round 241:	https://codeforces.com/contest/416/submission/67522011
[07]	CF-Round 243:	https://codeforces.com/contest/425/submission/73420016
[80]	CF-Round 260:	https://codeforces.com/contest/455/submission/65753827
[09]	CF-Round 293:	https://codeforces.com/contest/518/submission/65758252
[10]	CF-Round 316:	https://codeforces.com/contest/570/submission/65760346
[11]	CF-Round 332:	https://codeforces.com/contest/599/submission/73491916
[12]	CF-Round 336:	https://codeforces.com/contest/607/submission/66133067
[13]	CF-Round 357:	https://codeforces.com/contest/681/submission/66137740
[14]	CF-Round 366:	https://codeforces.com/contest/704/submission/66138321
[15]	CF-Round 388:	https://codeforces.com/contest/749/submission/73423906
[16]	CF-Round 394:	https://codeforces.com/contest/761/submission/66146371





Data Structures Problems

[17]	CF-Round 420:	http://codeforces.com/contest/821/problem/C
[18]	CF-Round 422:	http://codeforces.com/contest/822/problem/C
[19]	CF-Round 121:	http://codeforces.com/contest/191/problem/A
[20]	CF-Round 142:	http://codeforces.com/contest/229/problem/A
[21]	CF-Round 247:	http://codeforces.com/contest/431/problem/C
[22]	CF-Round 401:	http://codeforces.com/contest/777/problem/C
[23]	CF-Round 418:	http://codeforces.com/contest/814/problem/C
[24]	CF-Round 427:	http://codeforces.com/contest/835/problem/C



Data Structures Problems Solution

[17]	CF-Round 420:	https://codeforces.com/contest/821/submission/80072748
[18]	CF-Round 422:	https://codeforces.com/contest/822/submission/79974942
[19]	CF-Round 121:	https://codeforces.com/contest/191/submission/80065555
[20]	CF-Round 142:	https://codeforces.com/contest/229/submission/65418552
[21]	CF-Round 247:	https://codeforces.com/contest/431/submission/65490453
[22]	CF-Round 401:	https://codeforces.com/contest/777/submission/80067438
[23]	CF-Round 418:	https://codeforces.com/contest/814/submission/79981764
[24]	CF-Round 427:	https://codeforces.com/contest/835/submission/80074614







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✓ Section 1: Divide and Conquer Problems



- ✓ Section 2: Graph Problems
- ✓ Section 3: String Problems
- ✓ Section 4: Data Structures Problems



Section 6: Greedy Problems



Mathematical Problems

[01]	CF-Round 107:	http://codeforces.com/contest/150/problem/A
[02]	CF-Round 114:	http://codeforces.com/contest/167/problem/A
[03]	CF-Round 129:	http://codeforces.com/contest/204/problem/A
[04]	CF-Round 146:	http://codeforces.com/contest/235/problem/A
[05]	CF-Round 147:	http://codeforces.com/contest/237/problem/C
[06]	CF-Round 173:	http://codeforces.com/contest/282/problem/C
[07]	CF-Round 176:	http://codeforces.com/contest/286/problem/A
[08]	CF-Round 200:	http://codeforces.com/contest/343/problem/A
[09]	CF-Round 201:	http://codeforces.com/contest/346/problem/A
[10]	CF-Round 206:	http://codeforces.com/contest/354/problem/A
[11]	CF-Round 238:	http://codeforces.com/contest/406/problem/A
[12]	CF-Round 242:	http://codeforces.com/contest/424/problem/C
[13]	CF-Round 249:	http://codeforces.com/contest/435/problem/C
[14]	CF-Round 259:	http://codeforces.com/contest/453/problem/A
[15]	CF-Round 284:	http://codeforces.com/contest/498/problem/A
[16]	CF-Round 297:	http://codeforces.com/contest/525/problem/C



Mathematical Problems Solution

[01]	CF-Kound 10/:	https://codeforces.com/contest/15U/submission/65312243
[02]	CF-Round 114:	https://codeforces.com/contest/167/submission/73499979
[03]	CF-Round 129:	https://codeforces.com/contest/204/submission/65416982
[04]	CF-Round 146:	https://codeforces.com/contest/235/submission/65418872
[05]	CF-Round 147:	https://codeforces.com/contest/237/submission/65420457
[06]	CF-Round 173:	https://codeforces.com/contest/282/submission/65425966
[07]	CF-Round 176:	https://codeforces.com/contest/286/submission/73407763
[80]	CF-Round 200:	https://codeforces.com/contest/343/submission/65433594
[09]	CF-Round 201:	https://codeforces.com/contest/346/submission/80061682
[10]	CF-Round 206:	https://codeforces.com/contest/354/submission/65470121
[11]	CF-Round 238:	https://codeforces.com/contest/406/submission/65488616
[12]	CF-Round 242:	https://codeforces.com/contest/424/submission/73422908
[13]	CF-Round 249:	https://codeforces.com/contest/435/submission/73416088
[14]	CF-Round 259:	https://codeforces.com/contest/453/submission/65493805
[15]	CF-Round 284:	https://codeforces.com/contest/498/submission/65757137

[16] CF-Round 297: https://codeforces.com/contest/525/submission/65758953

[01] CE Dound 107: https://codeforces.com/contest/150/cubmission/65712247





Mathematical Problems

[17]	CF-Round 298:	http://codeforces.com/contest/534/problem/C
[18]	CF-Round 300:	http://codeforces.com/contest/538/problem/C
[19]	CF-Round 313:	http://codeforces.com/contest/559/problem/A
[20]	CF-Round 340:	http://codeforces.com/contest/617/problem/C
[21]	CF-Round 372:	http://codeforces.com/contest/715/problem/A
[22]	CF-Round 386:	http://codeforces.com/contest/746/problem/C
[23]	CF-Round 443:	http://codeforces.com/contest/878/problem/A
[24]	CF-Round 446:	http://codeforces.com/contest/891/problem/A
[25]	CF-Round 457:	http://codeforces.com/contest/916/problem/C
[26]	CF-Round 461:	http://codeforces.com/contest/922/problem/C



Mathematical Problems Solution

[17]	CF-Round 298:	https://codeforces.com/contest/534/submission/73412697
[18]	CF-Round 300:	https://codeforces.com/contest/538/submission/65759328
[19]	CF-Round 313:	https://codeforces.com/contest/559/submission/65759650
[20]	CF-Round 340:	https://codeforces.com/contest/617/submission/66134989
[21]	CF-Round 372:	https://codeforces.com/contest/715/submission/66143998
[22]	CF-Round 386:	https://codeforces.com/contest/746/submission/79984718
[23]	CF-Round 443:	https://codeforces.com/contest/878/submission/80298665
[24]	CF-Round 446:	https://codeforces.com/contest/891/submission/80299613
[25]	CF-Round 457:	https://codeforces.com/contest/916/submission/80075267
[26]	CF-Round 461:	https://codeforces.com/contest/922/submission/80075376







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✓ Section 1: Divide and Conquer Problems

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- ✓ Section 2: Graph Problems
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- ✓ Section 5: Mathematical Problems





Greedy Problems

[01]	CF-Round 303:	http://codeforces.com/contest/545/problem/C
[02]	CF-Round 310:	http://codeforces.com/contest/555/problem/A
[03]	CF-Round 326:	http://codeforces.com/contest/587/problem/A
[04]	CF-Round 407:	http://codeforces.com/contest/788/problem/A
[05]	CF-Round 436:	http://codeforces.com/contest/864/problem/C
[06]	CF-Round 473:	http://codeforces.com/contest/959/problem/C
[07]	CF-Round 115:	http://codeforces.com/contest/175/problem/C
[80]	CF-Round 151:	http://codeforces.com/contest/246/problem/C
[09]	CF-Round 154:	http://codeforces.com/contest/253/problem/C
[10]	CF-Round 188:	http://codeforces.com/contest/317/problem/A
[11]	CF-Round 203:	http://codeforces.com/contest/350/problem/C
[12]	CF-Round 250:	http://codeforces.com/contest/438/problem/A
[13]	CF-Round 268:	http://codeforces.com/contest/468/problem/A
[14]	CF-Round 283:	http://codeforces.com/contest/497/problem/A
[15]	CF-Round 288:	http://codeforces.com/contest/508/problem/C
[16]	CF-Round 334:	http://codeforces.com/contest/603/problem/A



Greedy Problems Solution

[01]	CF-Round 303:	https://codeforces.com/contest/545/submission/56164142
[02]	CF-Round 310:	https://codeforces.com/contest/555/submission/65303385
[03]	CF-Round 326:	https://codeforces.com/contest/587/submission/56672105
[04]	CF-Round 407:	https://codeforces.com/contest/788/submission/65247629
[05]	CF-Round 436:	https://codeforces.com/contest/864/submission/70997701
[06]	CF-Round 473:	https://codeforces.com/contest/959/submission/73587828
[07]	CF-Round 115:	https://codeforces.com/contest/175/submission/73499042
[80]	CF-Round 151:	https://codeforces.com/contest/246/submission/73399440
[09]	CF-Round 154:	https://codeforces.com/contest/253/submission/73402835
[10]	CF-Round 188:	https://codeforces.com/contest/317/submission/65433051
[11]	CF-Round 203:	https://codeforces.com/contest/350/submission/65436238
[12]	CF-Round 250:	https://codeforces.com/contest/438/submission/65493007
[13]	CF-Round 268:	https://codeforces.com/contest/468/submission/65754030
[14]	CF-Round 283:	https://codeforces.com/contest/497/submission/65756888
[15]	CF-Round 288:	https://codeforces.com/contest/508/submission/73414267
[16]	CF-Round 334:	https://codeforces.com/contest/603/submission/66132507





Greedy Problems

[17]	CF-Round 335:	http://codeforces.com/contest/605/problem/A
[18]	CF-Round 370:	http://codeforces.com/contest/712/problem/C
[19]	CF-Round 375:	http://codeforces.com/contest/723/problem/C
[20]	CF-Round 381:	http://codeforces.com/contest/739/problem/A
[21]	CF-Round 431:	http://codeforces.com/contest/848/problem/A
[22]	CF-Round 442:	http://codeforces.com/contest/877/problem/C
[23]	CF-Round 463:	http://codeforces.com/contest/932/problem/C
[24]	CF-Round 464:	http://codeforces.com/contest/939/problem/C
[25]	CF-Round 469:	http://codeforces.com/contest/949/problem/A



Greedy Problems Solution

[17]	CF-Round 335:	https://codeforces.com/contest/605/submission/73487890
[18]	CF-Round 370:	https://codeforces.com/contest/712/submission/66143916
[19]	CF-Round 375:	https://codeforces.com/contest/723/submission/66144270
[20]	CF-Round 381:	https://codeforces.com/contest/739/submission/66145766
[21]	CF-Round 431:	https://codeforces.com/contest/848/submission/80296072
[22]	CF-Round 442:	https://codeforces.com/contest/877/submission/80074894
[23]	CF-Round 463:	https://codeforces.com/contest/932/submission/80296597
[24]	CF-Round 464:	https://codeforces.com/contest/939/submission/80075684
[25]	CF-Round 469:	https://codeforces.com/contest/949/submission/80309152





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