Programming Contest Problems for Week Six

Please work on some of these fun programming contest problems during the lab session while waiting to be interviewed on your assignment. To earn your participation marks for the lab, you should work together in a small team of two or three students.

To be able to submit solutions, you will need to make a Codeforces account here: `http://codeforces.com/register`.

The problems this week all revolve around the use of dynamic programming, so be on the lookout for optimal substructure!

Easier

1. Codeforces 474D - Flowers: `http://codeforces.com/problemset/problem/474/D`

2. Codeforces 455A - Boredom: `http://codeforces.com/problemset/problem/455/A`

3. Codeforces 698A - Vacations: `http://codeforces.com/problemset/problem/698/A`

Harder

1. Codeforces 711C - Colouring Trees: `http://codeforces.com/contest/711/problem/C`

2. Codeforces 706C - Hard Problem: `http://codeforces.com/problemset/problem/706/C`

3. Codeforces 118D - Caesar's Legions: `http://codeforces.com/problemset/problem/118/D`

Challenging

1. Codeforces 607B - Zuma: `http://codeforces.com/problemset/problem/607/B`

2. Codeforces 721C - Journey: `http://codeforces.com/problemset/problem/721/C`

3. Codeforces 479E - Riding in a Lift: `http://codeforces.com/problemset/problem/479/E`