

# CSCE4123 Assignment 6

## Assignment tasks (50 points each):

1. Task problem <https://www.spoj.com/problems/SNGINT/>
2. Task problem <https://www.spoj.com/problems/ABA12C/>  
Hint: It is the 0/1 Knapsack problem. However, the number of friends (N) does not play much importance here. It is mostly just to limit the choice of packets.
3. Task problem <https://www.spoj.com/problems/COLCOIN/>
  - a. The opposite question of the coins problem we discussed in the class. The author provides some hints on the page.
  - b. Hint: the question only asks to maximize the types of coin. Thus coin value is not a concern. But suppose you have to pick between two coins A and B ( $A < B$ ). Which one will you pick, and why?