Assignment 2 - Holey N-Queens, Coloring Socks, Radio Commercials

COMP 321 - Programming Challenges

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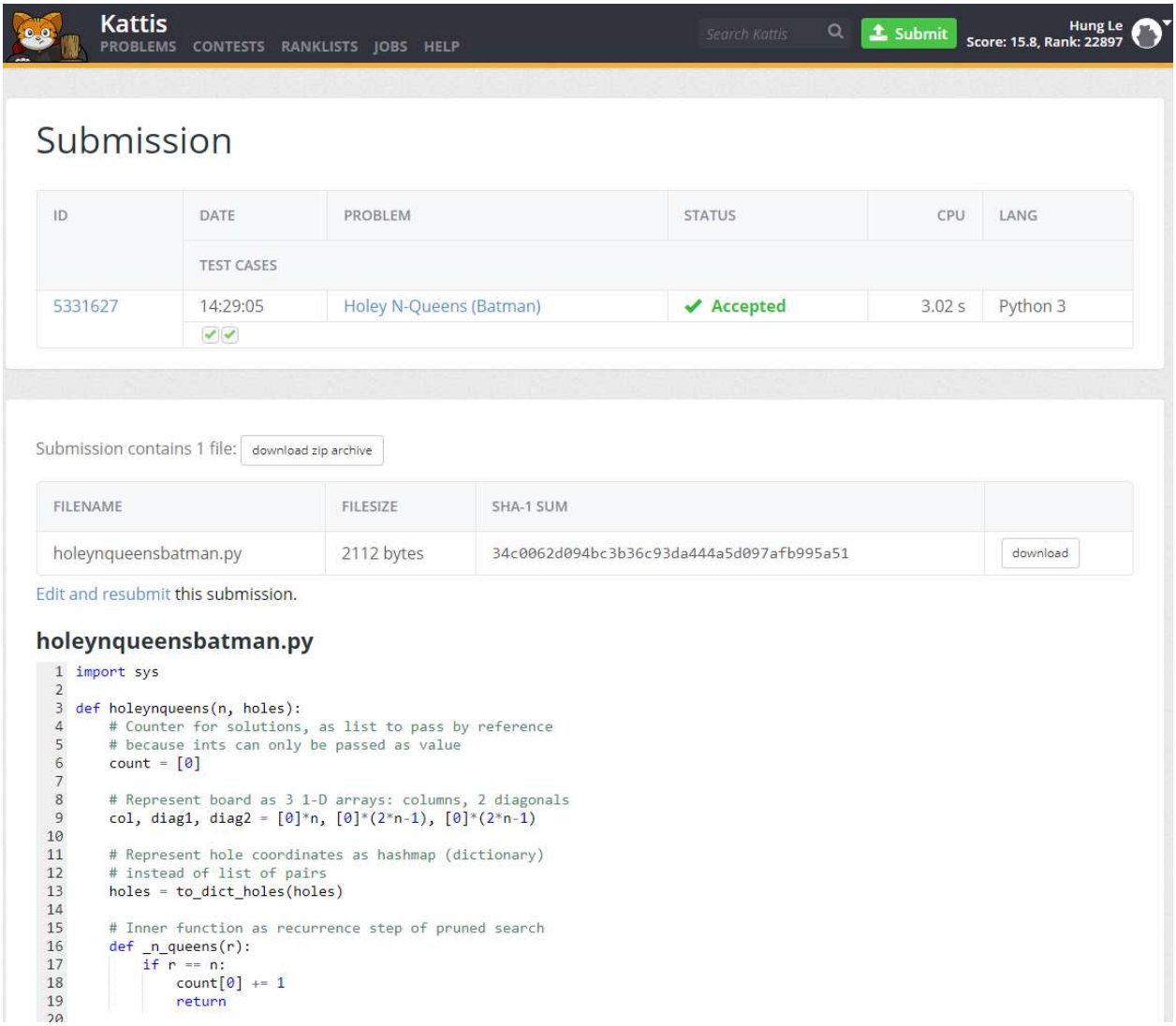
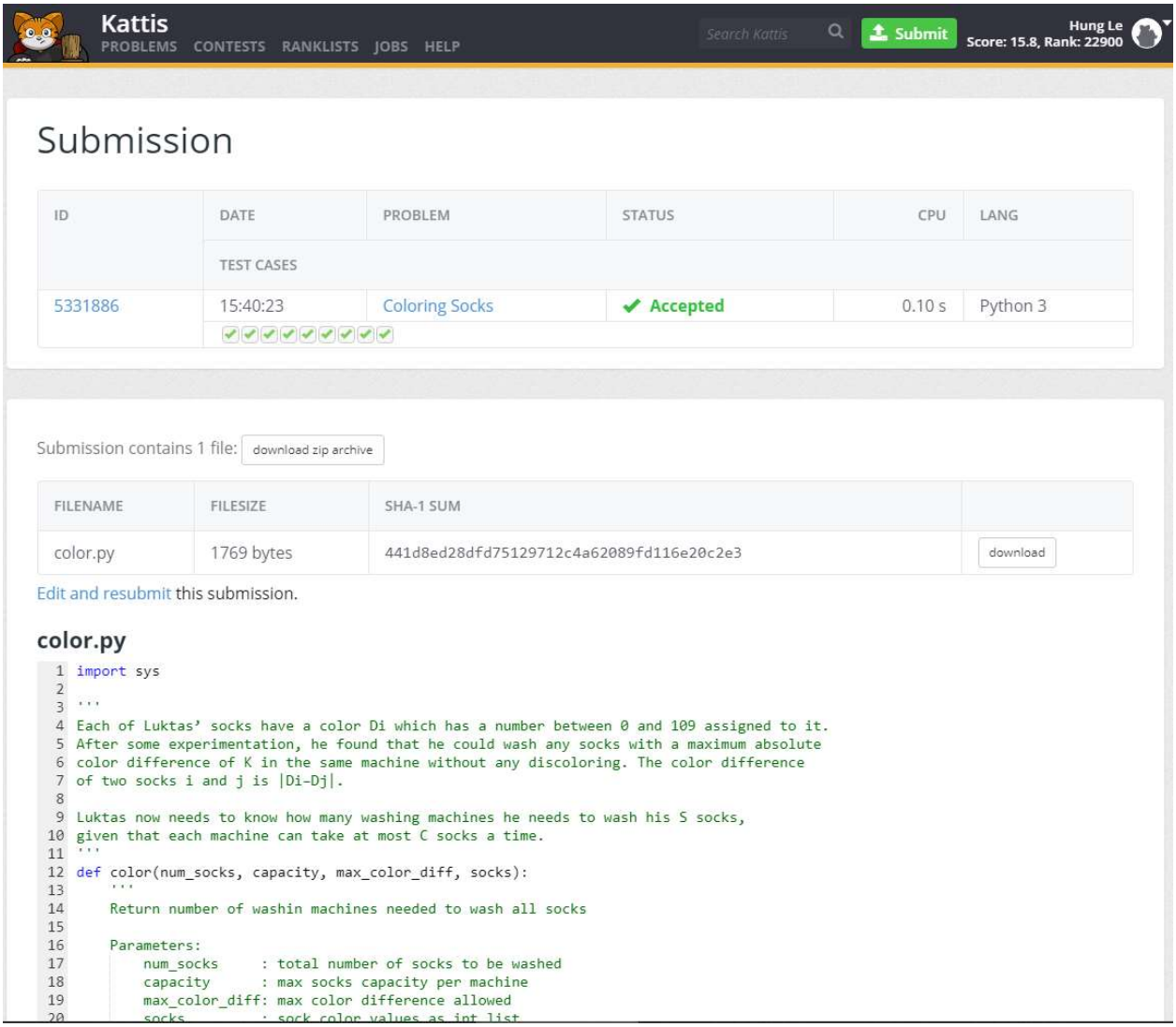
Date: February 15, 2020
Due date: February 16, 2020

Prof. David Meger
Winter 2020

Question 1: Holey N-Queens



Question 2: Coloring Socks



Question 3: Radio Commercials

Submission

ID	DATE	PROBLEM	STATUS	CPU	LANG
	TEST CASES				
5332441	18:05:17	Radio Commercials	✔ Accepted	0.09 s	Python 3
	✔✔✔✔✔✔✔✔✔✔✔✔				

Submission contains 1 file: download zip archive

FILENAME	FILESIZE	SHA-1 SUM	
commercials.py	1398 bytes	9bb017d035939f2144b0220948fad3c08fe38bc1	download

Edit and resubmit this submission.

commercials.py

```
1  import sys
2
3  '''
4  Kattis: https://open.kattis.com/problems/commercials
5
6  Of course, Onid Pizza has to pay a fixed amount every time the commercial
7  is played. The radio has a commercial break every 15 minutes. Unfortunately,
8  Onid can choose only one continuous sequence of commercial breaks, for example
9  all breaks from 5 pm to 8 pm. Help them to choose a continuous sequence of
10 commercial breaks such that their profit is maximal.
11 '''
12 def commercials(profits):
13     '''
14     Return max profit
15     Parameters:
16         profits: profits (revenue - cost) of all commerical breaks as int list
17     '''
18     max_profit = 0
19
20     for i in range(1, len(profits)):
```