CS473 - Lab # 2 Spring 2019  
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Part 1. WPA2 Crack

Q. How many possible Wi-Fi passwords are there that fulfills the password format?

**476656** = 238328 + 238328

Q. What is that actual Wi-Fi password used? How did you obtain that password?

Actual Wi-Fi password = **cos432-h4Z**  
**I used the brute force method for obtaining the password. First, I generated all the possible passwords given the constraints by *crunch* *tool,* then I used the tool *aircrack-ng* (command: aircrack-ng -w cos.lst part1.pcap) and tested every possible password generated by the crunch.**

Part 2. Anomaly Detection

**128.3.23.245**  
**128.3.161.197**  
**128.3.23.117**  
**128.3.23.56**  
**128.3.23.5**  
**128.3.23.158**

**I have used dpkt library for parsing the pcap file for finding the anomalies. I have attached my code file (detector.py).**