

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

Q. How many possible Wi-Fi passwords are there that fulfill 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*).