

Homework 6 - part 2 - CSCI 181 - S20

1. (10 points) Implement the function χ from a 3-dimensional array $a_{in}[0 \dots 4][0 \dots 4][0 \dots 63]$ to a 3-dimensional array $a_{out}[0 \dots 4][0 \dots 4][0 \dots 63]$.

To check your work, apply your function to the input file provided and the output $a_{out}[4][3][9 \dots 18]$ should be 0110100001. Apply χ to the input file provided. In your homework writeup, list the ten bits $a_{out}[2][3][11 \dots 20]$.