Assignment 1

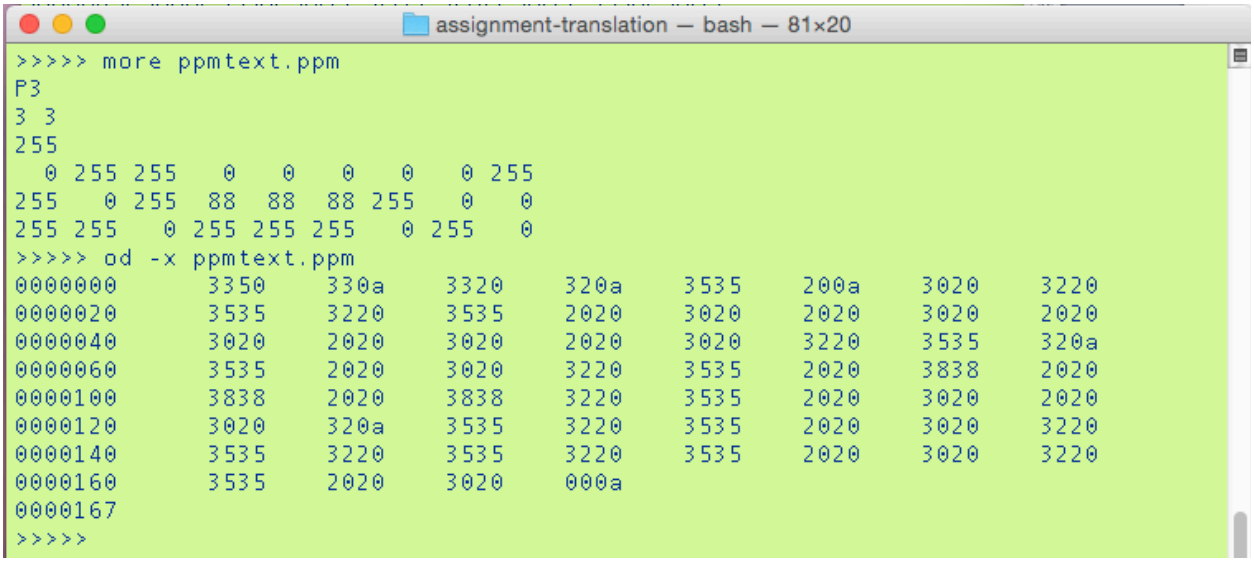
Write a C program to translate a given text-based ppm file (P3) into the corresponding binary-based file (P6). We should be able to open your translated file using image viewer tools that can work with ppm file format.

For simplicity, the following restrictions are added to the file format of the input:

- no comment line after the file type specification
- width (number of columns) and height (number of rows) formatted as ASCII decimal in the second line
- maximal value of color components given in the third line
- values of the color components in ASCII decimal, separated by whitespaces
- a newline character after each row

This is a practice on using System Call I/O. You are not allowed to use standard I/O library functions or other graphics related libraries.

Sample input:



Corresponding output:

```
assignment-translation — bash — 81×20
>>>>> od -x ppmbinary.ppm
0000000      3650    330a    3320    320a    3535    000a    ffff    0000
0000020      0000    ff00    00ff    58ff    5858    00ff    ff00    00ff
0000040      ffff    00ff    00ff
0000046
>>>>>
```

Image view: