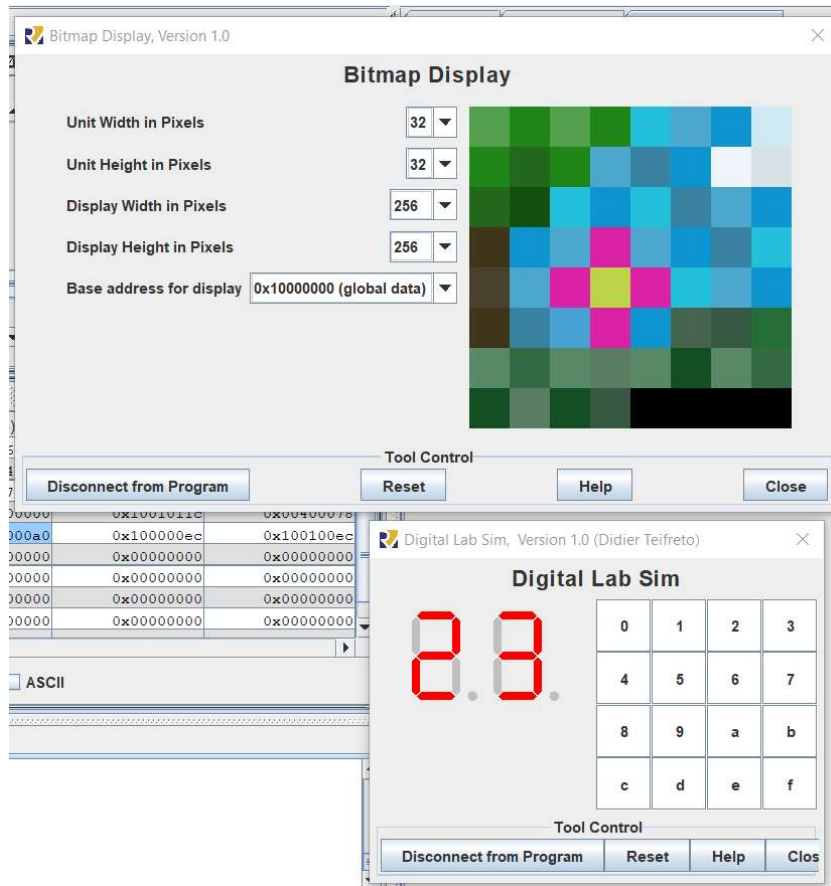# Assignment 3 Report
404 Name Not Found

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Question 1:
Code in: multitasking.asm

For this question, we first created a program to display the image we made on loop (transferring back to a black screen once done). Then after that, we edited the multitasking.asm file to include the program we made before.

Question 2:
Code in: q2.c
We had our cycle run for 10 seconds, then took the average to get a better estimate of the number of cycles per second.

Loops per second: 1219

```
xv6 kernel is booting

hart 1 starting
hart 2 starting
init: starting sh
$ q2
Number of loops: 12199
Cycles per second: 1219
$ ▊
```

Question 3:
Code in: q3.sh

```
cat sample.txt | cut -d " " -f 1 --complement | tr ' ' '\n'
```

By calling this line, you are putting the contents of sample.txt into the stdin of the cut statement that is then separating everything by spaces, and returning the complement of the first argument (second through 16h arguments). This result is then passed to stdin for translating spaces into new line characters. This returns the output below:

```
csterns@DESKTOP-85OCHQG:/mnt/c/Users/cassi/Documents/College/OS/Assignment 3/Assignment_
3/404NameNotFound_a3$ cat sample.txt | cut -d ' ' -f 1 --complement | tr ' ' '\n'
54
68
69
73
20
69
73
20
61
6e
20
65
78
61
6d
70
6c
65
20
6f
66
20
68
65
78
20
64
75
6d
70
```