Objectives - Tue 4/16/2019

- Quiz 5
- Parallel programming - arrays of threads

first byte

second byte

42 4d

magic #

ae00 0000

ae000000

little endian

0x0000 00ae

C literal

16 1

a e

ten fourteen

16 × 10

1 × 14

174

first byte ↓ second byte ↙

4 2 4 d ae 00 00 00

magic #

⇓

ae 00 00 00 little endian

⇓ reverse the bytes in an integer

0x 00 00 00 00 ae C literal

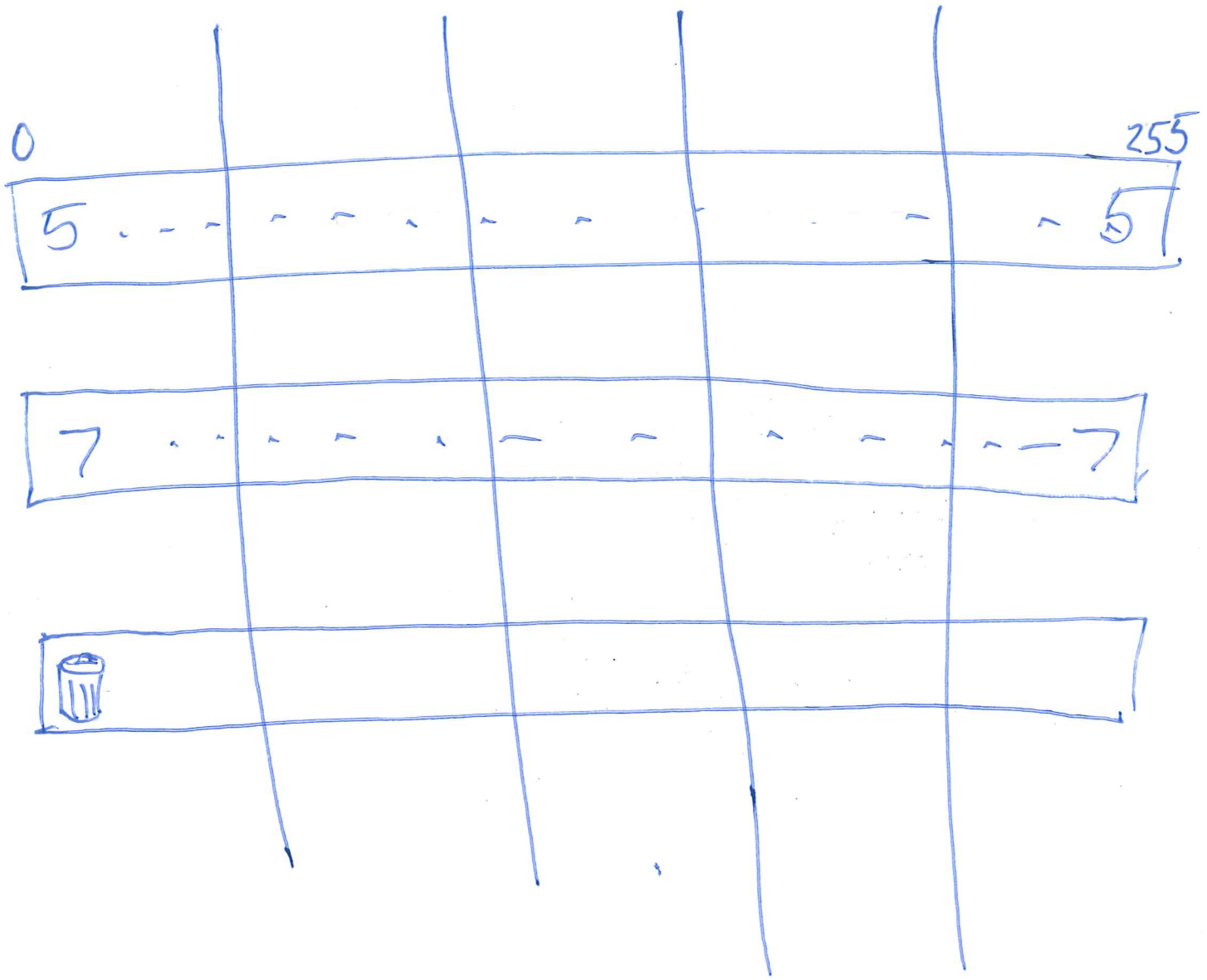
16 ↓

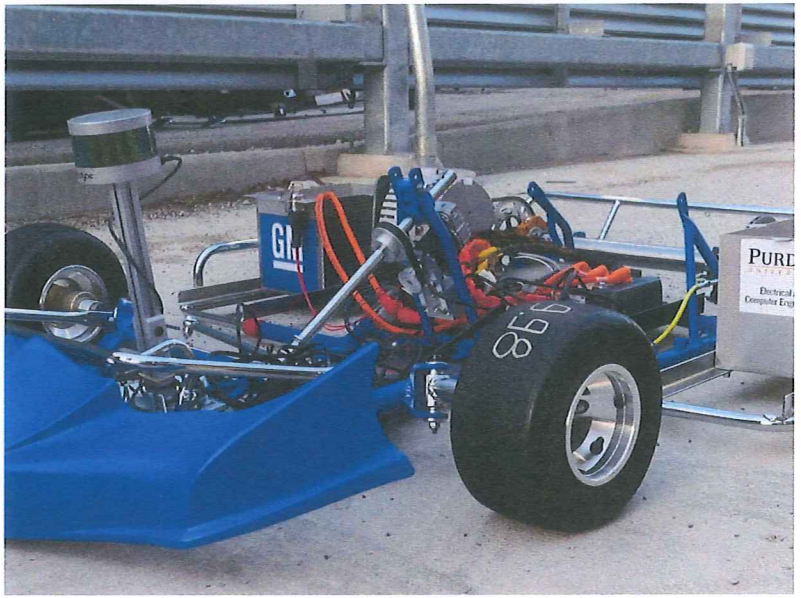
a e

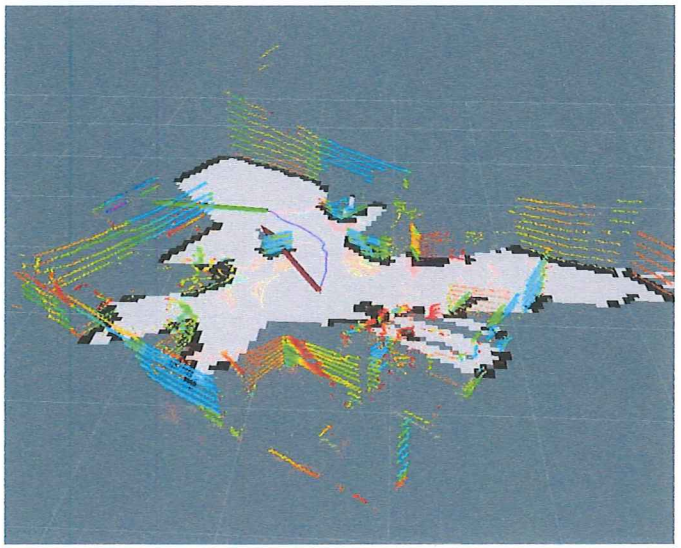
16 × 10 ← ten

1 × 14

174


0
255
5
7





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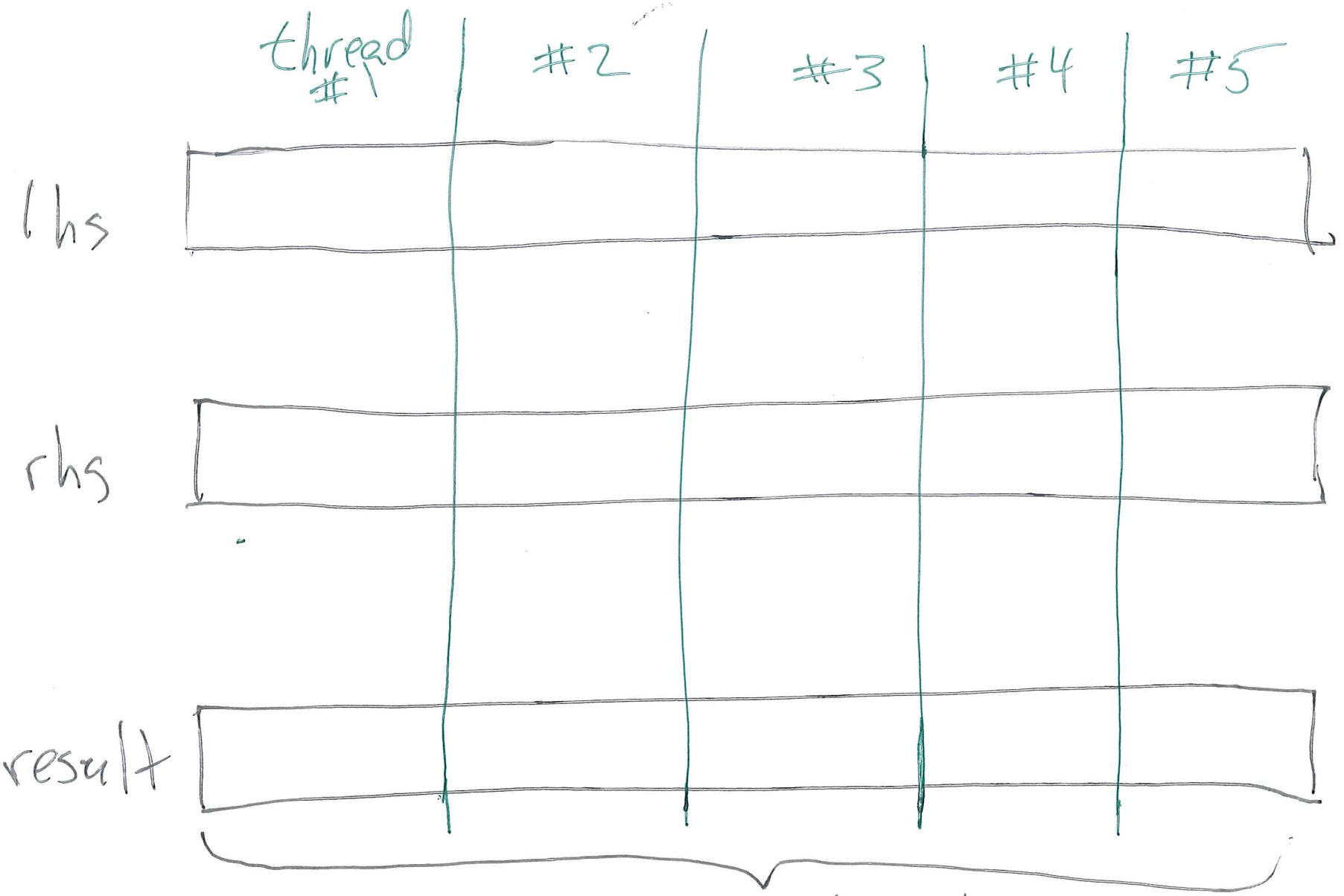
		start_idx	num_to_add
threads[0]		0	50
"	1	50	50
		100	50
		150	50
		200	51



No overlap allowed

start_idx	0	51	102	153	204
last_idx	50	101	152	203	255
num_elements	51	51	51	51	52

```
c = a/b; if (a%b != 0){c++;}

c = (a + (b-(a%b)))/b;

c = (a * 10/b + a/b)/10;

c = (a+b-1)/b;
```

```
int a = 41;
int b = 7;
int c = ⌈a/b⌉;
```

Make it work for any a + b (> 0)

Write a C expression for this with only ints and + - / * %

Vim tip: folding

Add to your .vimrc

```
:set fdm=syntax
```

zc	close
zo	open
zm	more
zr	reveal

close more in whole file

open all in whole file