CMPT 295 Assignment X

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1 Awooo Nyah

Yes.

2 Numeric Codes

Try stuff like this:

$$\texttt{0xffffffff} = \texttt{1111 1111 1111 1111 1111 1111 1111 1111}_2$$

3 Tables

N	a	b	c	d	e	f	g	h
512	2.102	1.216	61.00	1.821	01.72	0221.90	01.71	0.89
640	2.812	1.411	7.117	1.951	1.137	1.111	1.36	11.11
768	6.101	1.813	161.110	2.513	21.50	1.316	2.148	1.35
896	18.90	2.1017	261.32	2.197	3.815	1.517	3.812	1.56
1024	181.40	12.64	90.212	14.48	5.719	11.77	5.518	1.77

Table 1: This is a caption
This is the same caption on the second line

4 Sample Code

The code for the following can be found in `kek.s`

```
        .globl kek
kek:
        cmp $cross, $me # try crossing me
        je gtfo
gtfo:
        mov $f***, %here # get the f*** out of here
        ret
```

The code for the following can be found in the few inches below this line.

```
#include<stdio.h>

int main(){
   int* x;
   *x = 5;
   printf("%d\n",*x);
   return 0;
}
```

5 Staged Execution

Instruction	t_1	t_2	t_3	t_4	t_5	t_6	t_7
`OP %reg, %reg`	F	D	C	M	W		
`OP $1, %reg`		F	D	C	M	W	
`OP %reg, %reg`			F	D	C	M	W

6 Arithmetic

$$\begin{array}{rr} & 0.\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ \times 2^a \\ + & 0.\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ \times 2^a \\ \hline 0 & 0.\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ \times 2^a \end{array}$$

Figure 1: example of a floating point additon

$$\begin{array}{rr} & {\scriptstyle 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0} \\ & 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0 \\ + & 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0 \\ \hline \mathbf{0} & 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0 \end{array}$$

Figure 2: example of a binary addition, with carry digits

7 Pseudocode

```
i = 0
while yes:
        stuff happens
        using verbatim env allows for wild things like \begin{} not doing anything
```