

Va

### General Questions

What is your level of knowledge of how a CPU functions?

1      2      ☒ 3      4      5

None   Slight   Some   A lot   Full

Please briefly describe how an equation (for example, "add") is completed by the CPU:

CPU finds memory locations of both values to be added together. It also locates an available memory location to put the result into.

What is your level of knowledge of register machine simulators?

1      2      ☒ 3      4      5

None   Slight   Some   A lot   Full

Have you used a register machine simulator?

☒ Yes      No

If yes, please state the name, and any good/bad points about the simulator:

Sigma16 - limited ~~subset~~ instruction set, mainly for teaching purposes.

Please briefly describe what a register machine simulator is:

Simulates memory register spaces on a computer, allows you to practice different functions.



### Application Specific

✓h

Do you think this application conveys the message of a register machine?

Yes - it is simple and clear. I like the use of boxes because I think of registers usually as boxes. Colours are pretty too! ☺

Do you think the steps required to build a program are clear?

They seem clear, yes. I think obviously the help function will help clarify things further.

Would you feel confident enough to try and build an "add" program?

Yes I think so.

What do you like about this application?

The colours and simplicity - clean and nice to look at!

What do you not like about this application?

The motion of the program and arrows are slightly unclear.

What extra functionality should be incorporated into this application?

I don't think it requires any really.



What changes would you make to the current functionality?

Nothing - everything that I would deem necessary is there.

What changes would you make to the current design?

I would possibly make the arrows dashed to display the flow of the instructions, and animate the black line to show progression.

Do you feel your knowledge of a register machine has increased?

It's brought some of it back, yes!

Do you think this is an appropriate level for naïve users, and do you think it will increase their knowledge?

Definitely - wish we'd had something like it in class!

What would you call this application?

Register THAT!

(terrible, my creativity has been sucked dry on this course :-(