## **IMEM**

- 0: constant zero
- 1: (available for calculations)
- 2: output/return value from main
- 3: (available for calculations)
- 4: (available for calculations)
- 5: status pointer
- 6: top pointer
- 7: program counter

<sup>\*</sup> We had started using register 1 as a constant one, but decided we don't need a constant one.

## **Real Time Stack Frames**

Initialize locals
Return addresses
Initialize parameters
Print local
Return addresses
Print parameters
Main local
Return addresses
Main parameters