Microinstruction

- Contains all the bits necessary to corry out an instruction - In Mic-1 there are 6 gamps of bits

- Addr - address of a potential west uncoinstruction

- JAM - deformines how the next we consistention is selected

- ALU - ALU and shifter funtions

- (- select which registes are written to from the C bus

- Mem - memory functions

- B - Select the & bus Gource

The Stack

- Many other names: call stack, execution stack, etc.
- Can store a few types of variables
 - Procedure (function) parameters
 - Local variables
 - Temporary arithmetic results

d = (a + b) * c - These are usually stored in registers, but IJVM stores

them on the stack

- When a procedure is called, memory is allocated on the top of the Strick to store that produces variables
- Stack frame (or bal varsable frame)
- Area of the stack that belongs to a procedure that is being executed

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IJVM's stick
      - LV resister points to the bothom of the currently executing possedure's stock frame
      - SP points to the top
TIVIS menuny made
        - Areas
              - Constant pool
                       - Read-only
                       - Stores constants and strings
                       - Loader when the passam is bought into memory
                       - CPP stores the beginning of the construct por/
               - Local variable frame and operand stack
                        - Area of the call stack between LV and SP
                - Method area
                       - Contains the passion itself, PC stress the address of the vest instruction
                        - OFten called the "text segment" in UNIX programs
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