Callstack and PC pc=0x...

Heap Static objects

Almost-Correct Pseudocode

```
class BankAccount {
private int balance = 0;
private Lock lk = new Lock();
public void withdraw(int amount) {
   lk.acquire(); // may block
   int b = getBalance();
   if (amount > b)
     throw new WithdrawTooLargeException();
   setBalance(b - amount);
   lk.release();
 // deposit() would also acquire/release lk
```

Note: 'Lock' is not an actual Java class