

CS 208

F, 13 Feb 2026

```

int main() {
char buf[12] = "goat";
int x = 15;
int y = f(x);
}

```

ASM

```

main:
movl ...
movl ...
...
0x5554 movl x, %edi
0x5557 call f
0x555B movl %eax, y
...

```

```

int f(int n) {
int result = 0;
int counter = 0;
...
return result;
}

```

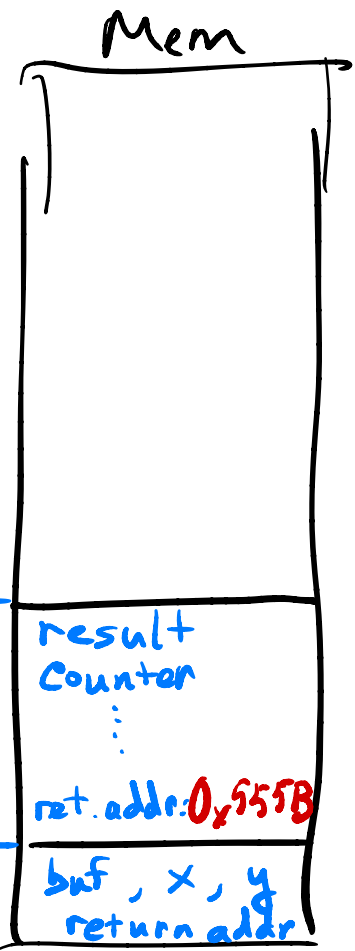
```

0x556A f:
_
_
_
_
ret

```

F's stack frame

main's stack frame



Phase 2

