Reference vs Value parameters one more time:

```
int f(int x)
{
   ...
}

int g(int& y)
{
   ...
}

int main ()
{  int z = 23;
   f(z);
   g(z);
```

main memory

```
┌──────────┐
│          │
│          │
│    23    │  z, y
│          │
│          │
│    23    │  x
│          │
│          │
│          │
└──────────┘
```
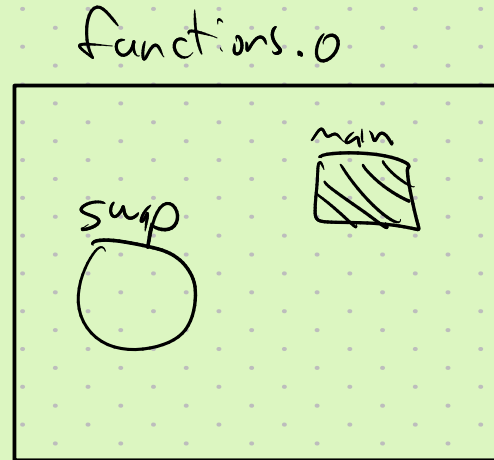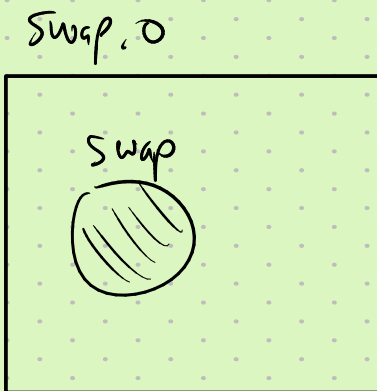
---

function to swap variable contents:

```
void swap (int& x, int& y)
{
      int t = x;
      x = y;
      y = t;
}
```

Compiling multiple files into a single program.

g++ **-c** functions.cpp

g++ **-c** swap.cpp

swap.o

functions.o

g++ functions.o swap.o

□ (hatched) defined

□ undef

Vectors

— expandable container of variables...

Example: read integers from stdin, print them
back in reverse order.