



Other Issues – Program Structure

- Program structure
 - `Int[128, 128] data;`
 - Each row is stored in one page
 - Program 1

```
for (j = 0; j < 128; j++)
  for (i = 0; i < 128; i++)
    data[i, j] = 0;
```

128 x 128 = 16,384 page faults

- Program 2

```
for (i = 0; i < 128; i++)
  for (j = 0; j < 128; j++)
    data[i, j] = 0;
```

128 page faults

