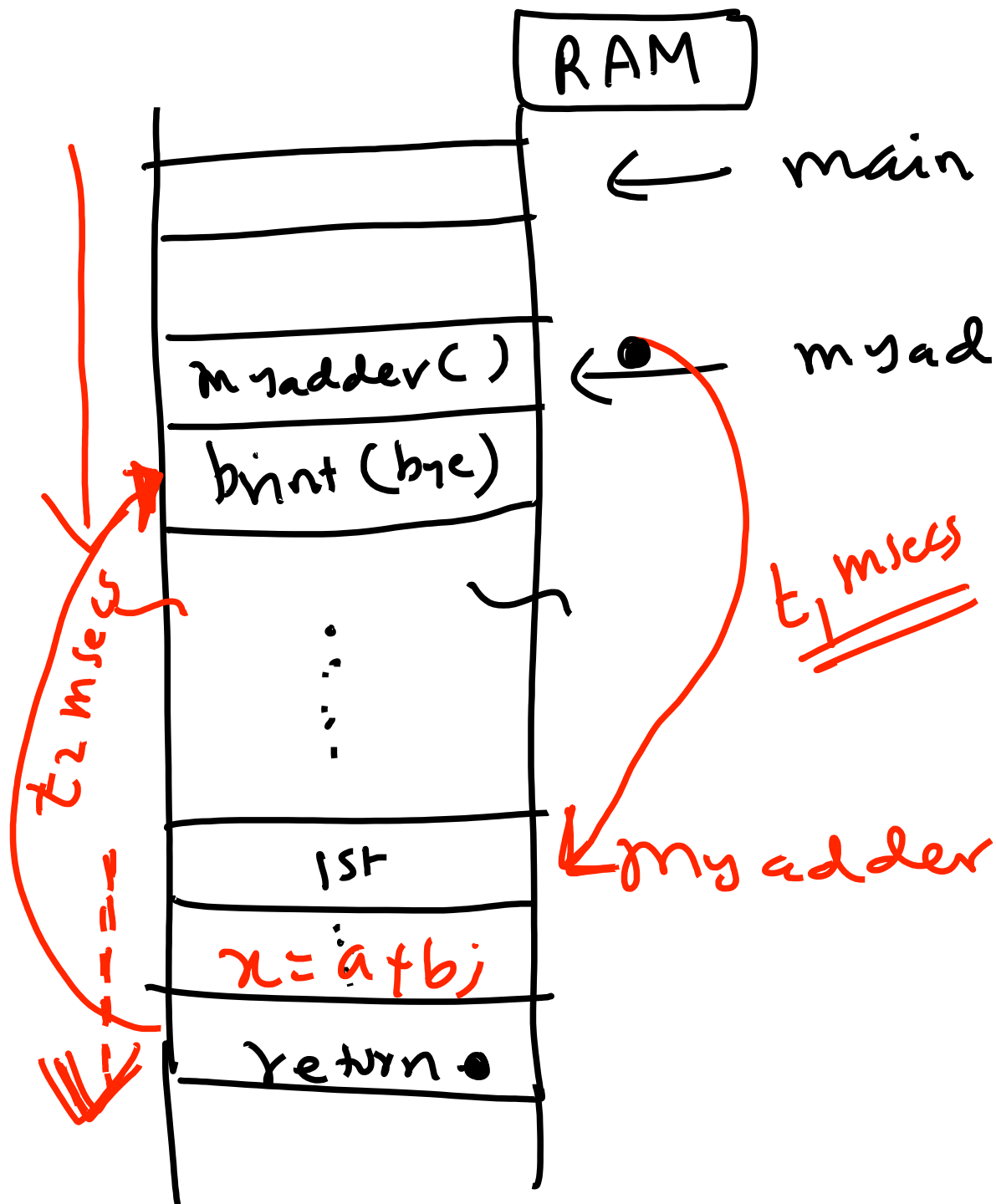


31/oct/2017

Func call



Overhead

- Saves all the current contents of mem/regs etc to a stack



$$\text{total exec. time} = T_{\text{prog}} + (3 \times 10 \text{ msecs})$$

Nested func. calls

main() {

fA()

fB()

} return;

fA() {

fB()

fC()

return;

}

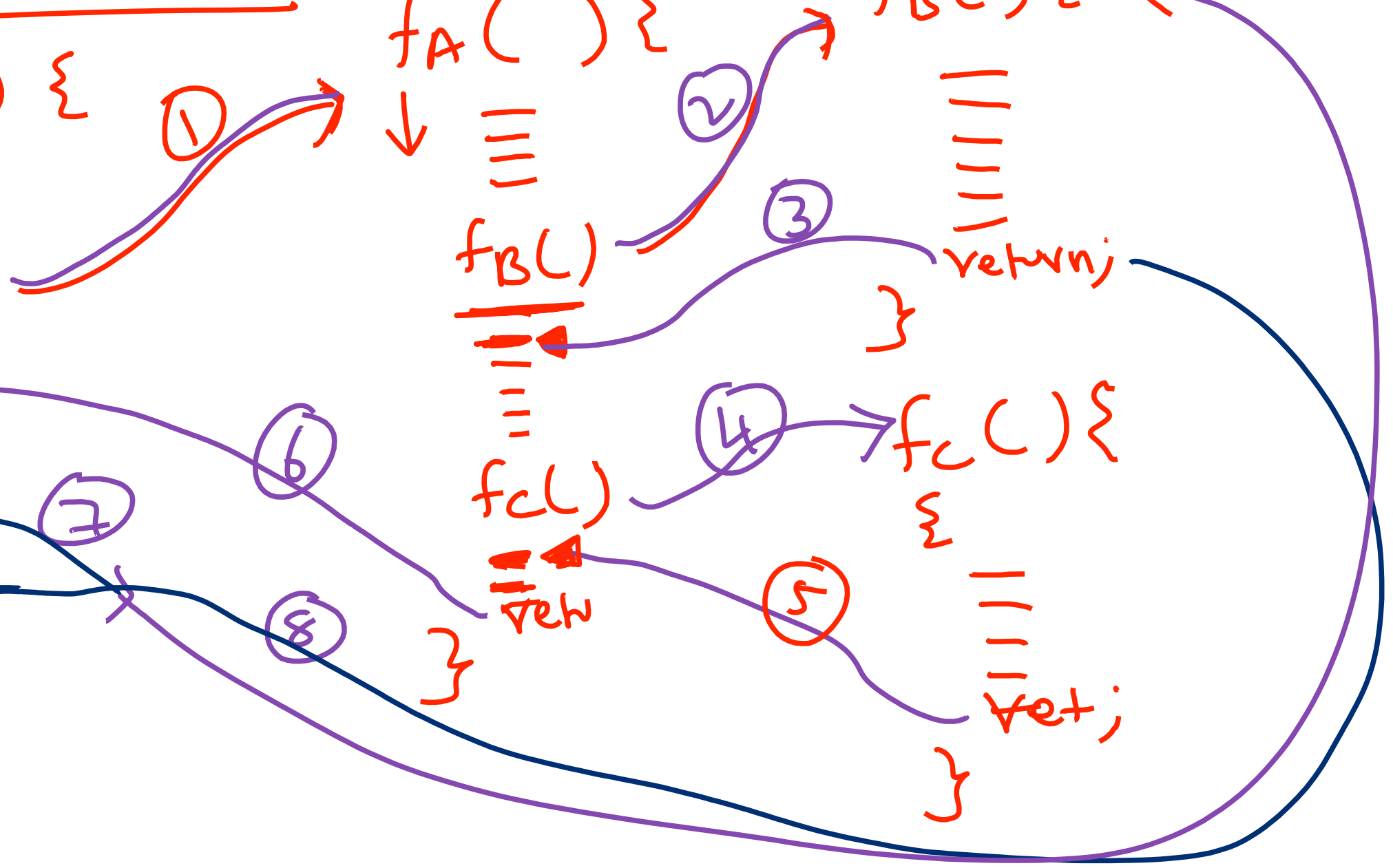
fB() {

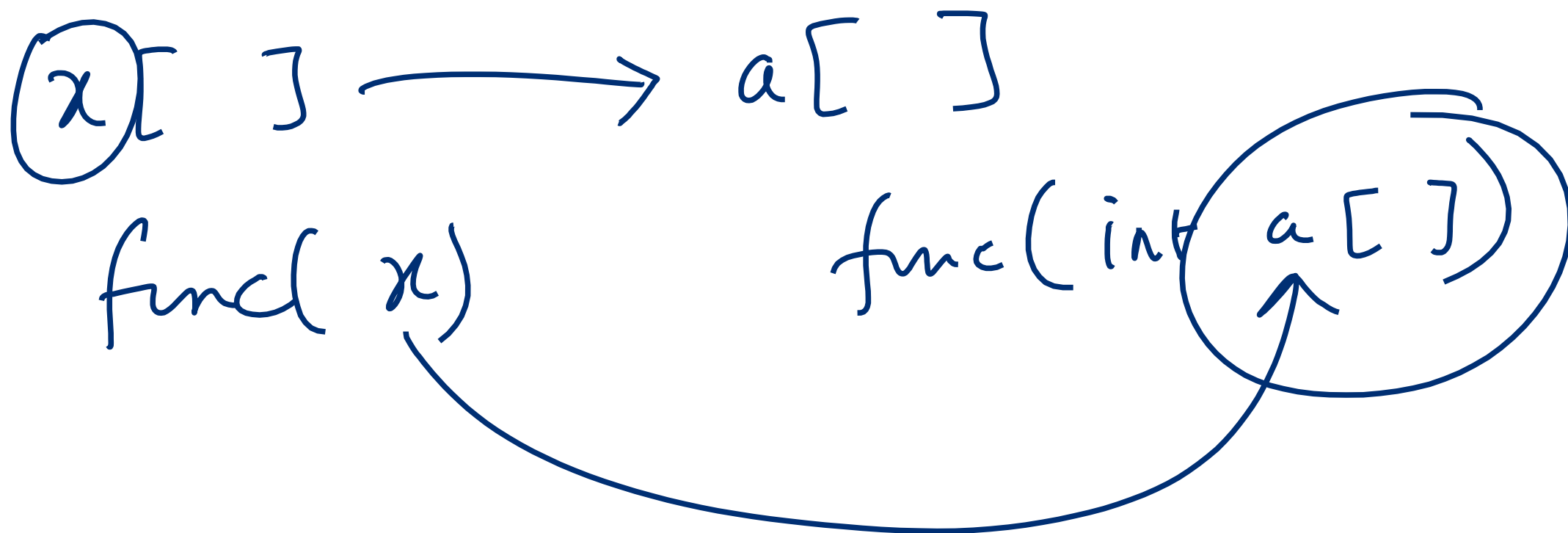
return;

fC() {

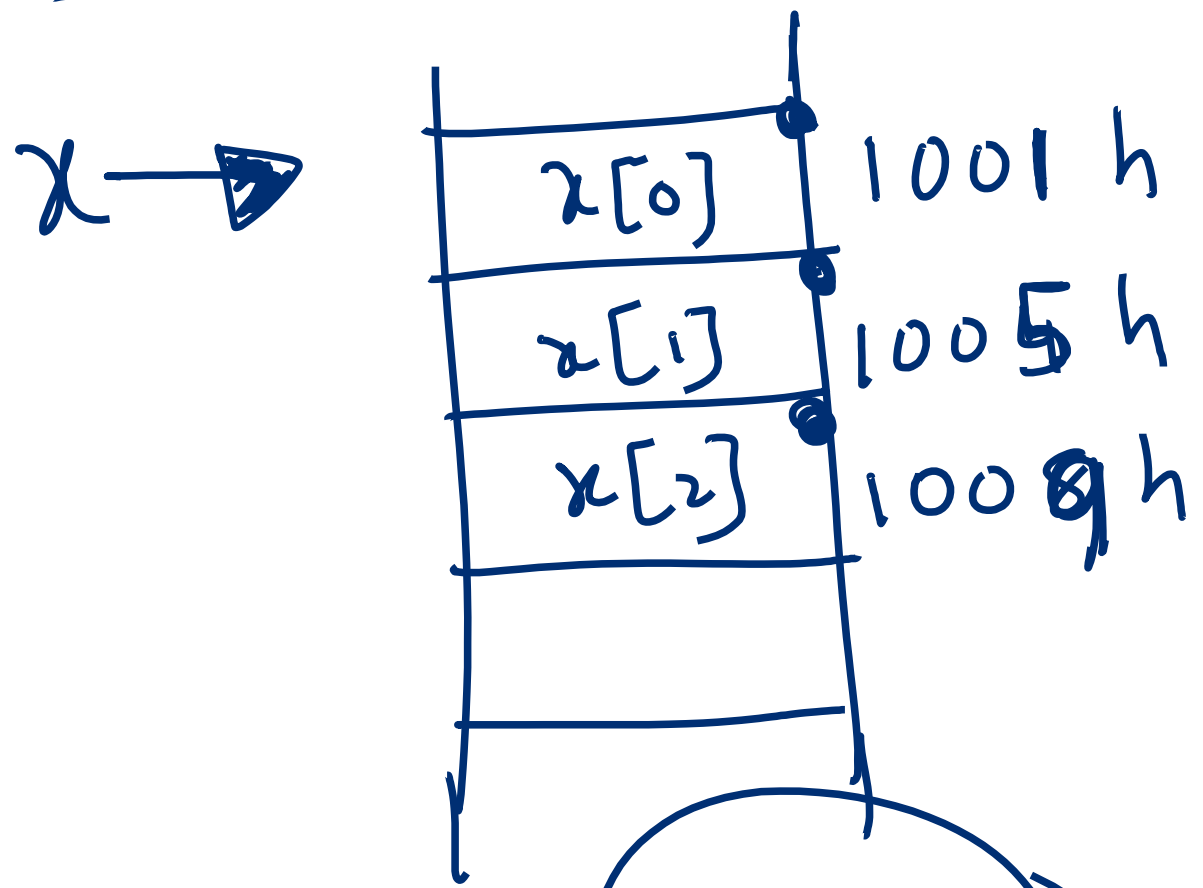
return;

}

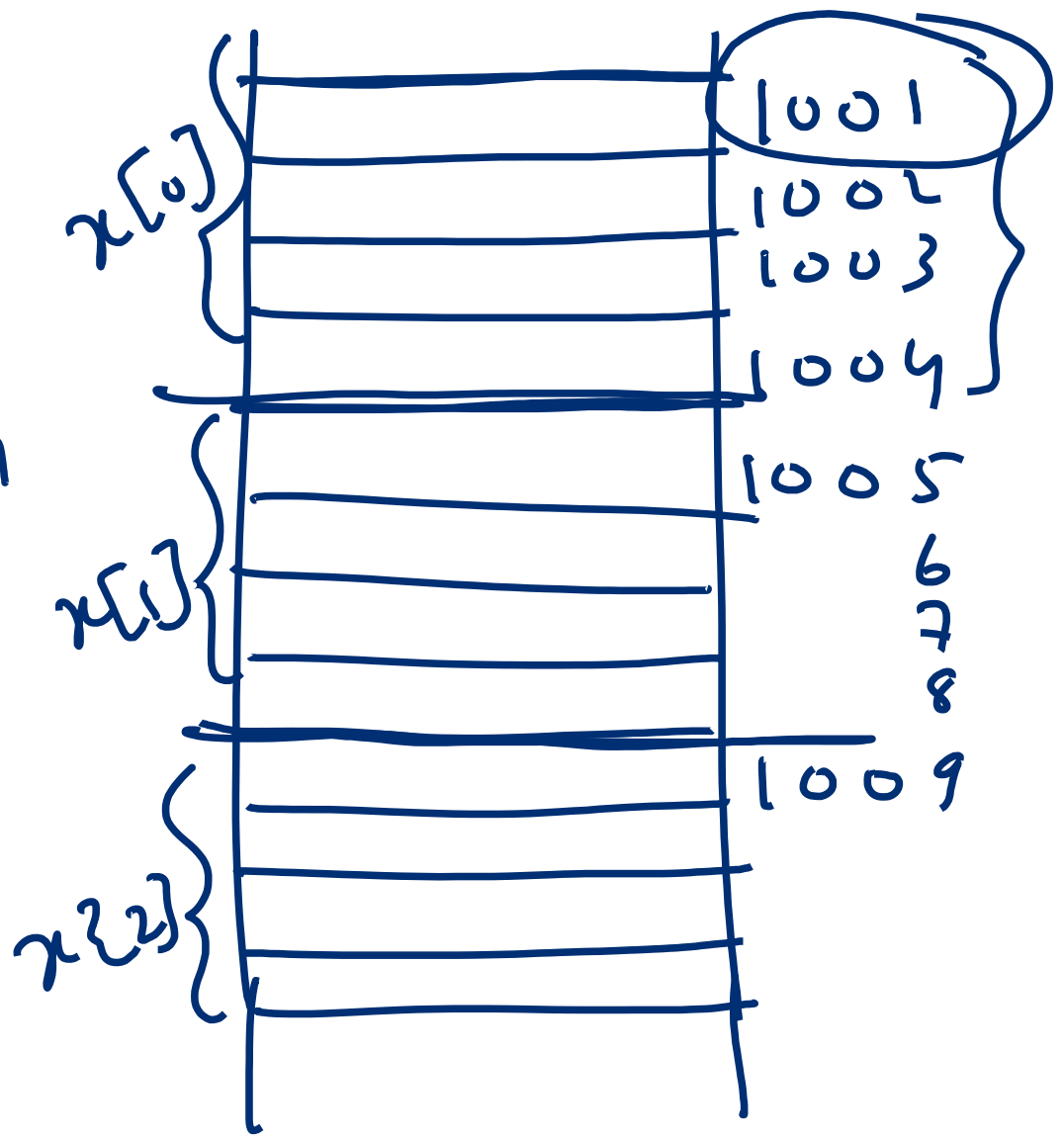




array passing



int x[];



```
main() {  
  int x[3];
```

≡

```
  modify(x);
```

≡

```
modify(int A[])
```

```
{
```

```
  int k; → local var
```

```
  for (k=0; k < N; k++)
```

```
  {
```

```
    A[k]
```

↑