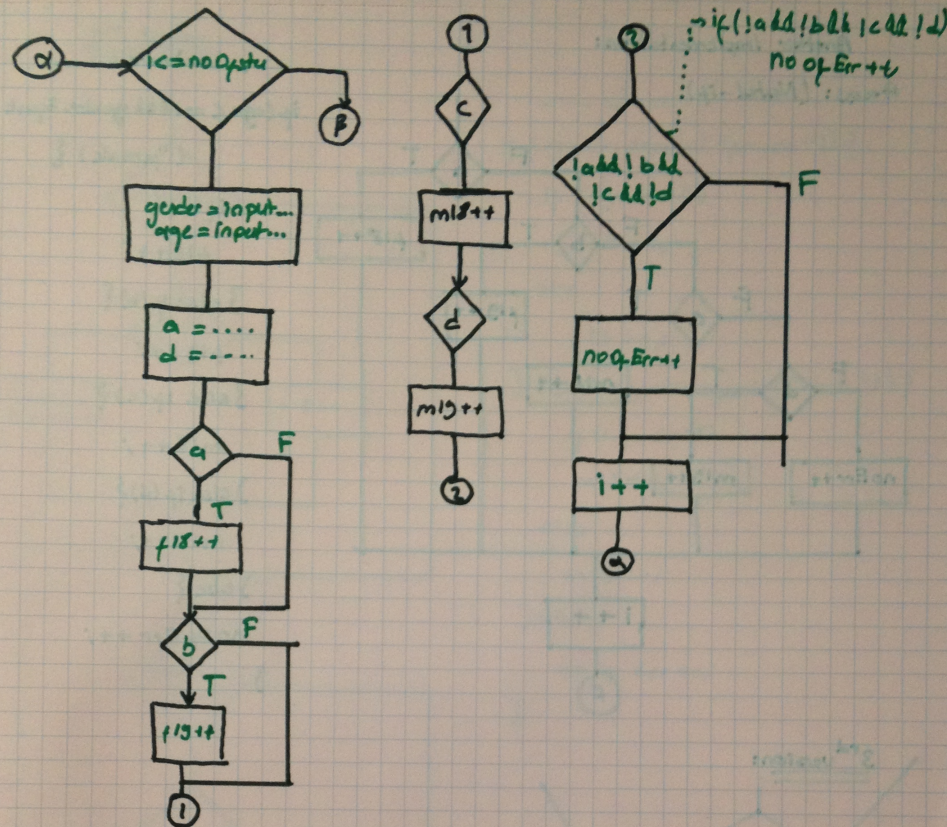




— Java —

```
for (i=1; i<=of students, i++) {
```

```
    gender = ....
```

```
    age = ....
```

```
    a = age <= 18 && gender.equals("female");
```

```
    if (a)
        f18++;
```

```
    if (b)
        f19++;
```

```
    if (c)
        m18++;
```

```
    if (d)
        m19++;
```

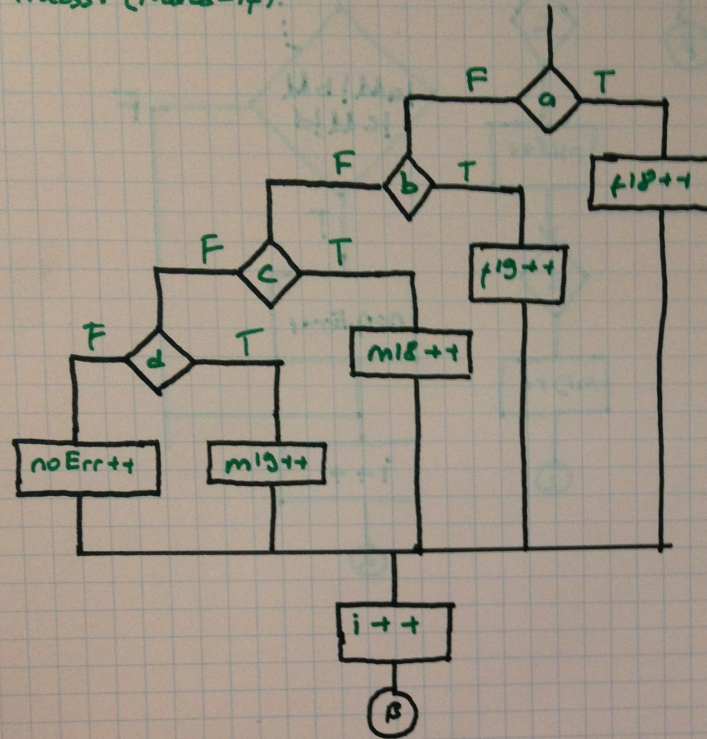
```
    if (a & d & !b & !c & !d)
        no Err++;
}
```

Note that in the beginning codes can start like

```
int no Err = 0;
int age;
String gender;
int f18, f19, m18, m19;
boolean a, b, c, d;
```

Another Implementation:

Process: (Nested-if):

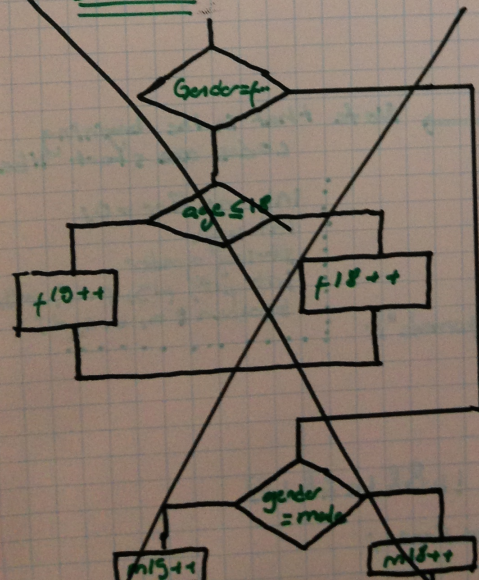


Java

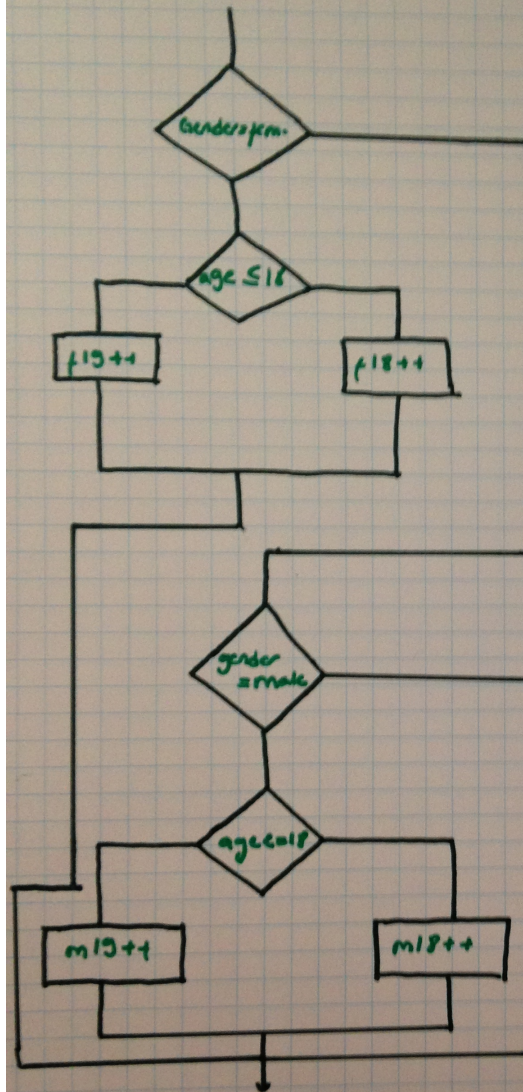
```

if (age <= 18 && gender.equals("female")) {
    if (a) {
        f18++;
    } else if (b) {
        f19++;
    } else if (c) {
        m18++;
    } else if (d) {
        m19++;
    } else {
        noOfErr++;
    }
}
  
```

3rd version:



3rd Version



— Java —

```
if (gender.equals("female")) {  
    if (age <= 18)  
        f15++;  
    else  
        f18++;  
} else if (gender.equals("male")) {  
    if (age <= 18)  
        m15++;  
    else  
        m18++;  
} else {  
    no of Err++;  
}
```