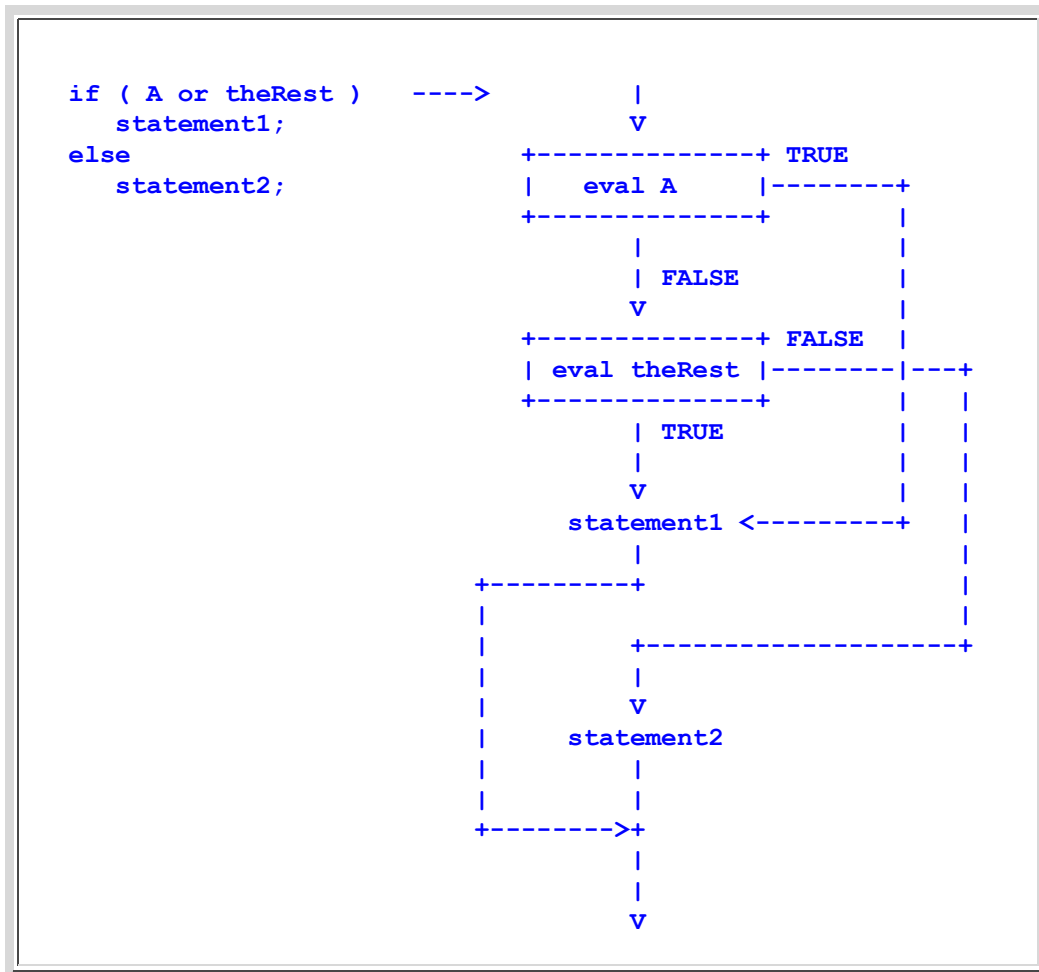
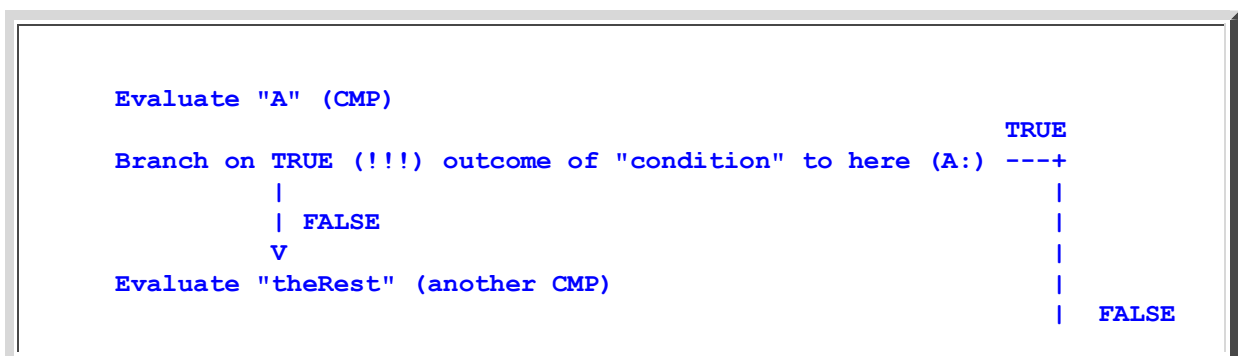


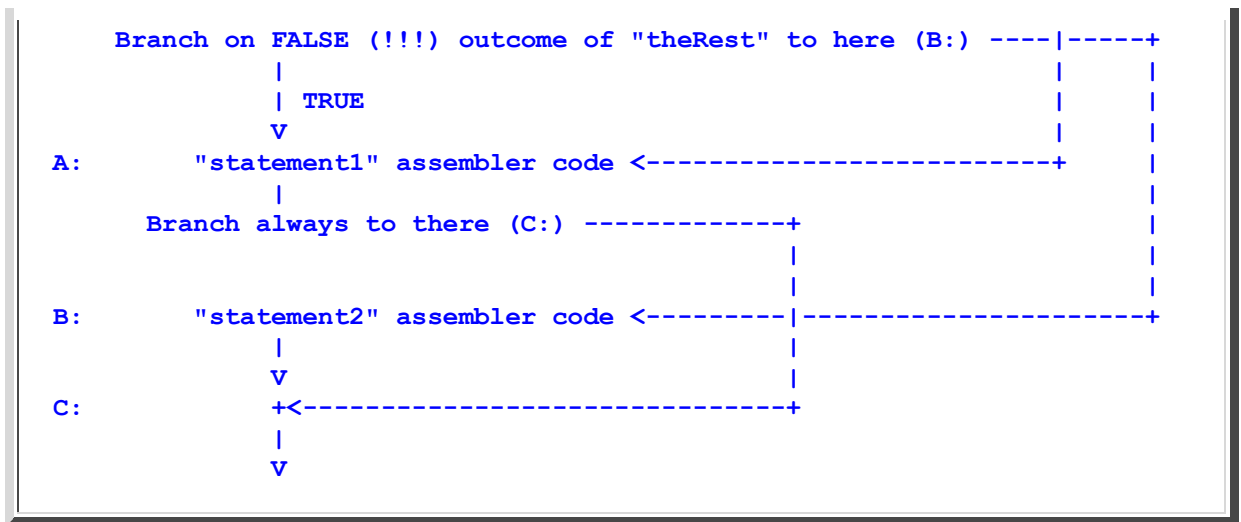
Compound condition with OR

- Program control of the `if`-statement with an compound condition "A or theRest":



- If **A** is true, then **A or** "something" is also true, regardless what the "something" evaluates to.
- Therefore, we can branch (jump) to the then-part as soon as we find that **A** is true.
- Assembler construct that realizes the control flow of the `if`-statement with an compound condition "A or theRest" is as follows:





- Example:

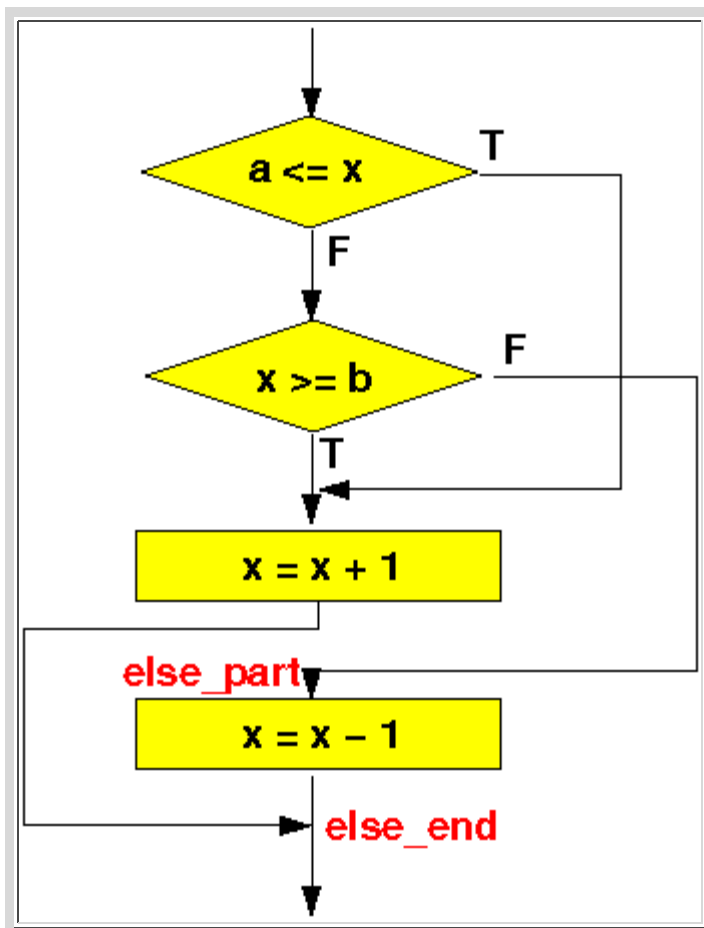
```

int x, y, a;

if (x <= a || x >= b)
    x = x + 1;
else
    x = x - 1;

```

The **flow chart** of the above program is:



Assembler program for this compound if-statement: [click here](#)

