选择结构
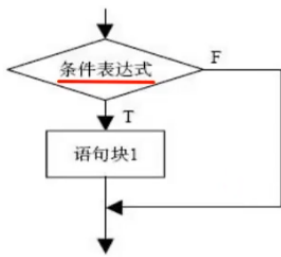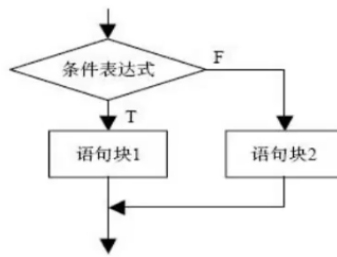
选择结构通过判断条件是否成立，来决定执行哪个分支
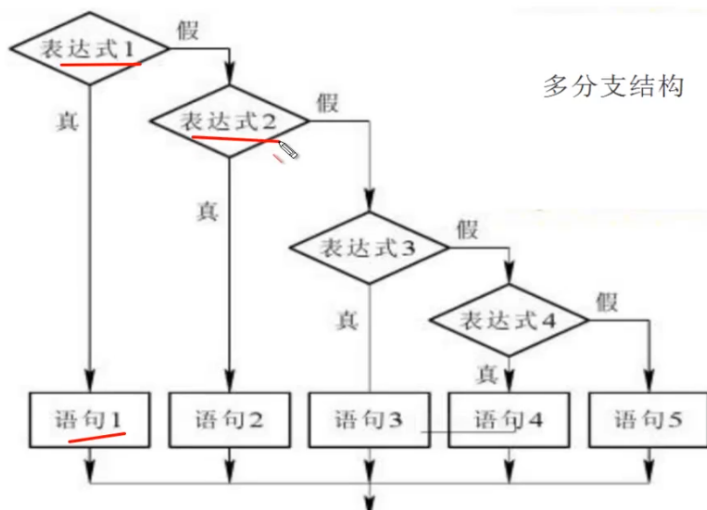
单分支结构

双分支结构

多分支结构

语法形式如下：（注意缩进）

```
if 条件表达式:
    语句/语句块


a = int(input("input a number: "))
if a < 10:
    print(a)
```

条件表达式详解：

选择和循环结构中，表达式的值为false：False，0，None，空序列，空range()、空迭代。其他情况均为True

测试代码：

```
success, defeat = "success", "defeat"


if 3:
    print(3, success)
else:
```

```python
    print(3, defeat)

a = []
if a:
    print(a, success)
else:
    print(a, defeat)

s = "False"
if s:
    print('\'' + s + '\'', success)
else:
    print('\'' + s + '\'', defeat)

if True:
    print(True, type(True), success)
else:
    print(True, type(True), defeat)

# 3 success
# [] defeat
# 'False' success
# True <class 'bool'> success
```

注意：无=

条件表达式中不能有赋值操作符 ' = '