

8/9/25

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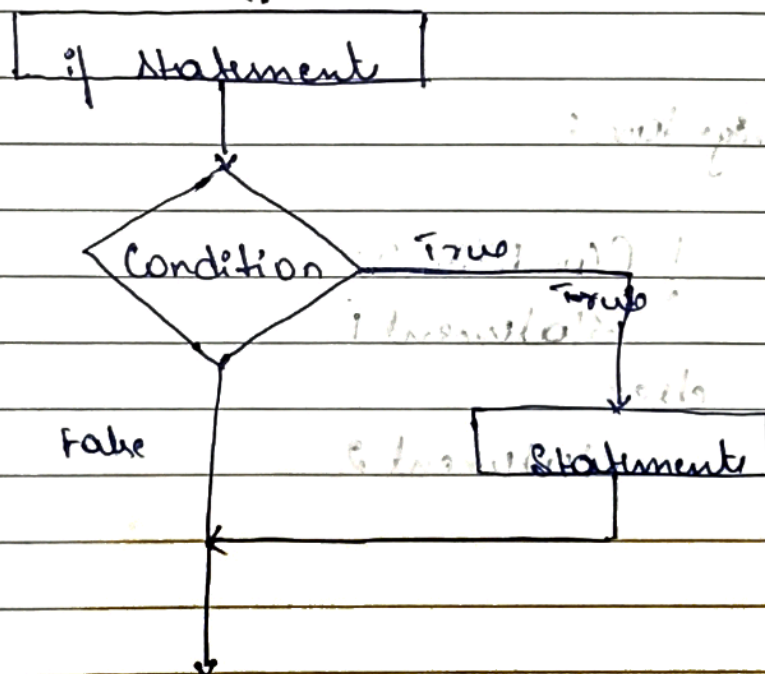
Bitwise operators :

Conditional Statement :

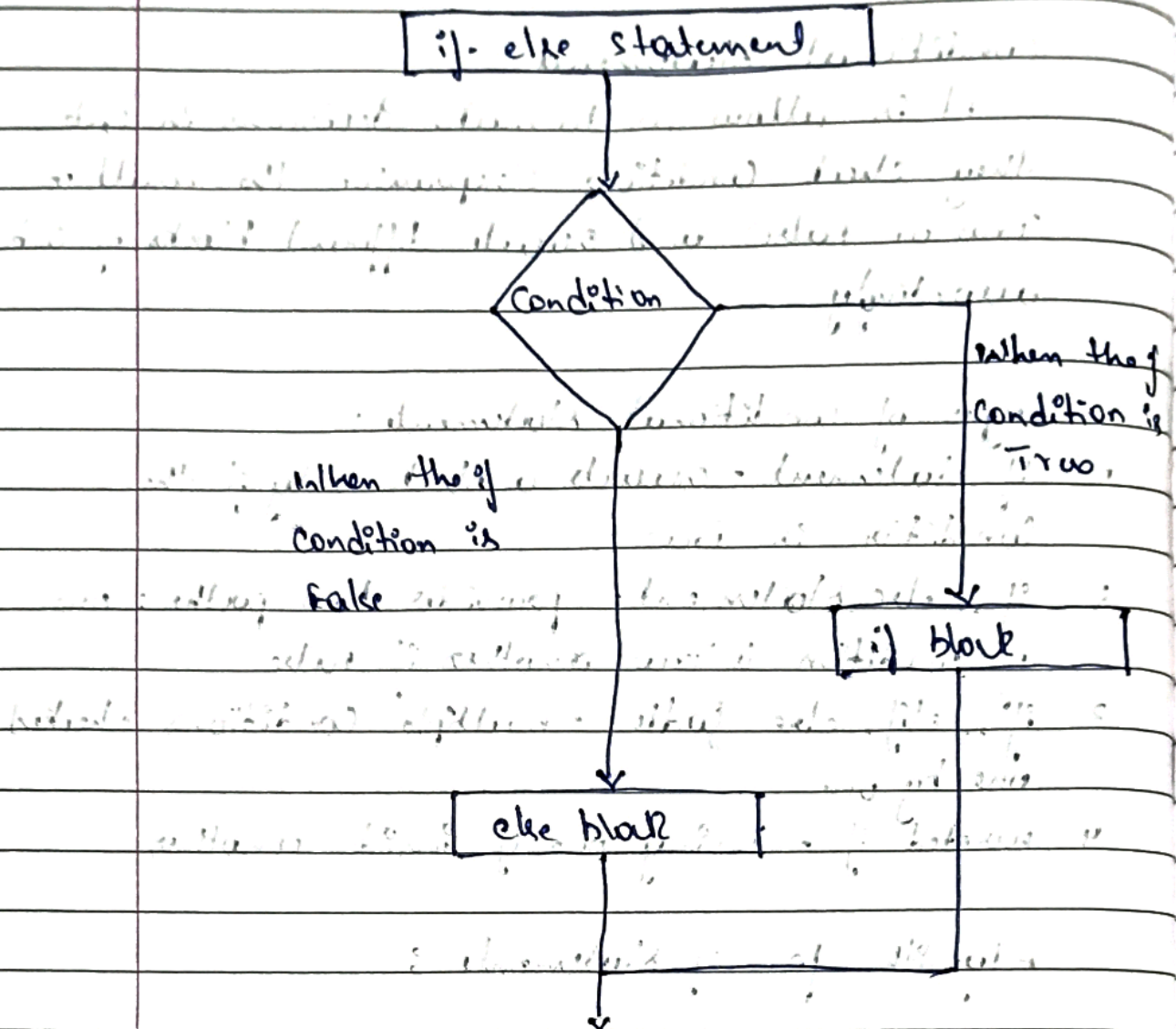
It is allow us to make decisions in code. They check Conditions Expression the result is True or False and execute different blocks of code accordingly.

Types of Conditional Statements :

1. if Statement - execute a block only if the Condition is True
2. if...else Statement - provides two paths: one if condition is True, another if False
3. if...elif...else ladder - multiple Conditions checked one by one
4. nested if - using one if inside another

Algorithm for if statements :

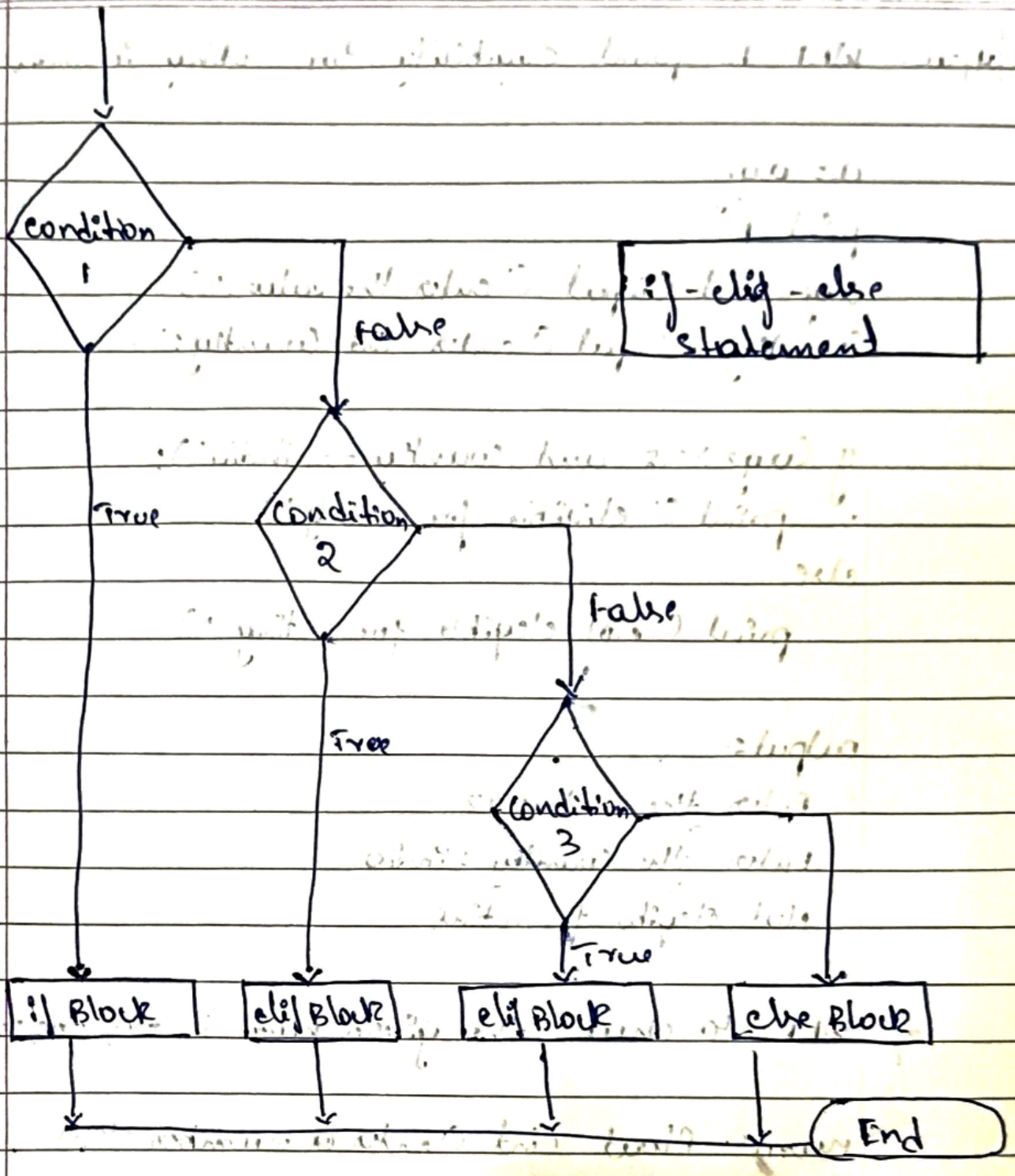
Algorithm for if else statement:



Syntax :-

```

if (Condition):
    Statement 1
else:
    Statement 2
  
```



Syntax:- for if..elif..else ladder-multiple
Conditions checked one by one

if (Condition 1):
 Statements 1

else:

 if (Condition 2):
 Statements 2 → Method (1)

 else:

 if (Condition 3):
 Statements 3

 else:

 Statements

Syntax :- if..elif..else ladder

if (Condition 1):
 Statements 1

elif (Condition 2):
 Statements 2

→ Method (2)

elif (Condition 3):
 Statements 3

else:

 Statements