Ex1.

Using pseudo-code:

Input: num1, num2, op

Processing:

INPUT user input num1, num2, op

STORE user input in the num1, num2, op variable

If (op = '+')

    result = num1 + num2

END IF

If (op = '-')

    result = num1 - num2

END IF

If (op = '*')

    result = num1 * num2

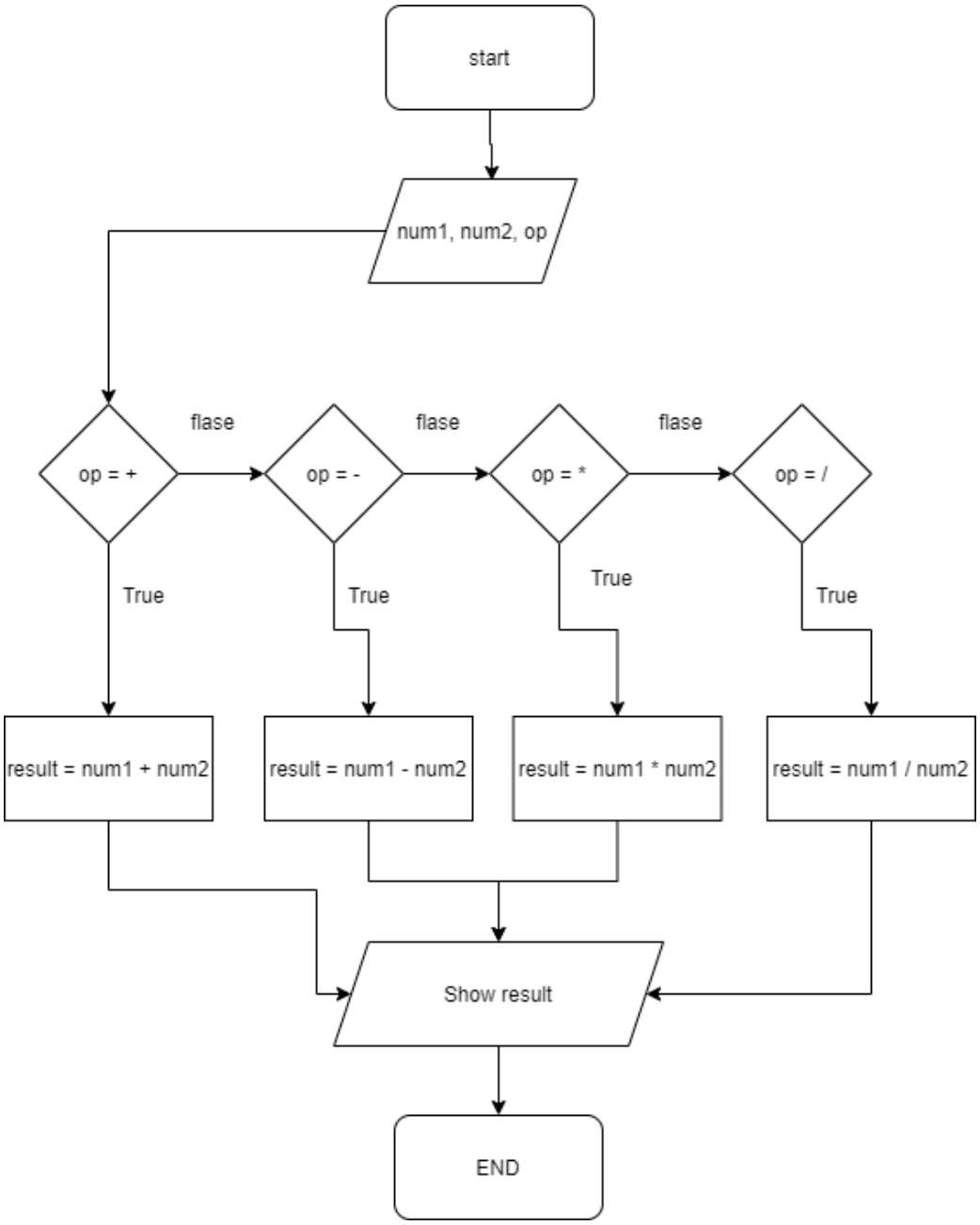
END IF

If (op = '/')

    result = num1 / num2

END IF

Output: print out result


start
num1, num2, op
op = +
flase
op = -
flase
op = *
flase
op = /
True
True
True
True
result = num1 + num2
result = num1 - num2
result = num1 * num2
result = num1 / num2
Show result
END

Ex2.

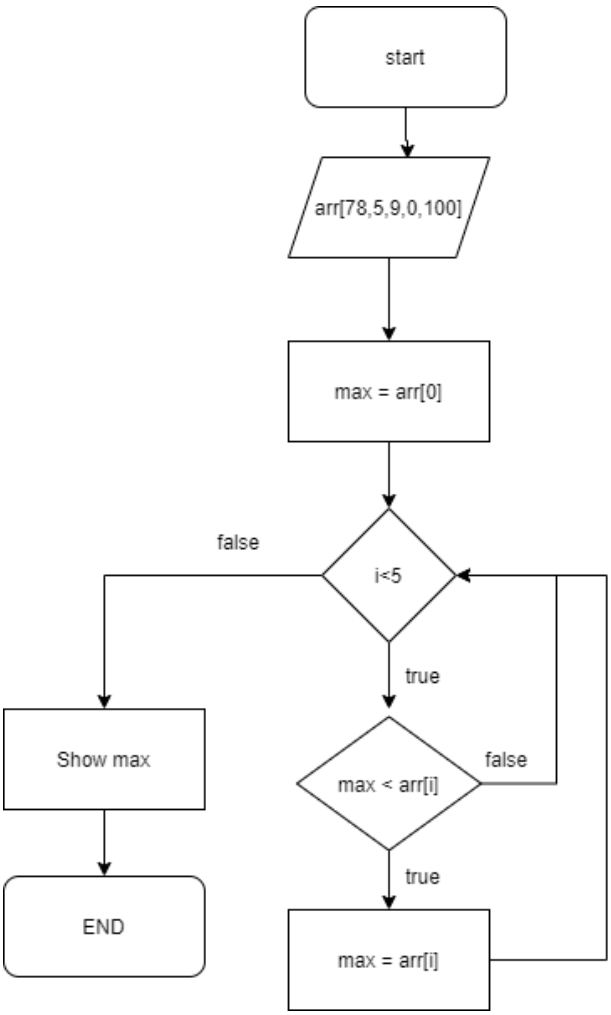
Using pseudo-code:

Input: Array number arr[78, 5, 9, 0, 100]

Processing:

```
Max = arr[0 ]
FOR (i = 1 to 4 )
        IF max < arr[i]
           Max = arr[i]
        END IF
END FOR
```

Output: print out Max


start
arr[78,5,9,0,100]
max = arr[0]
i<5
false
true
Show max
END
max < arr[i]
false
true
max = arr[i]

EX3.

Using pseudo-code:

Input: Number as num

Processing:

Result = 1

REPEAT

    INPUT user input a number

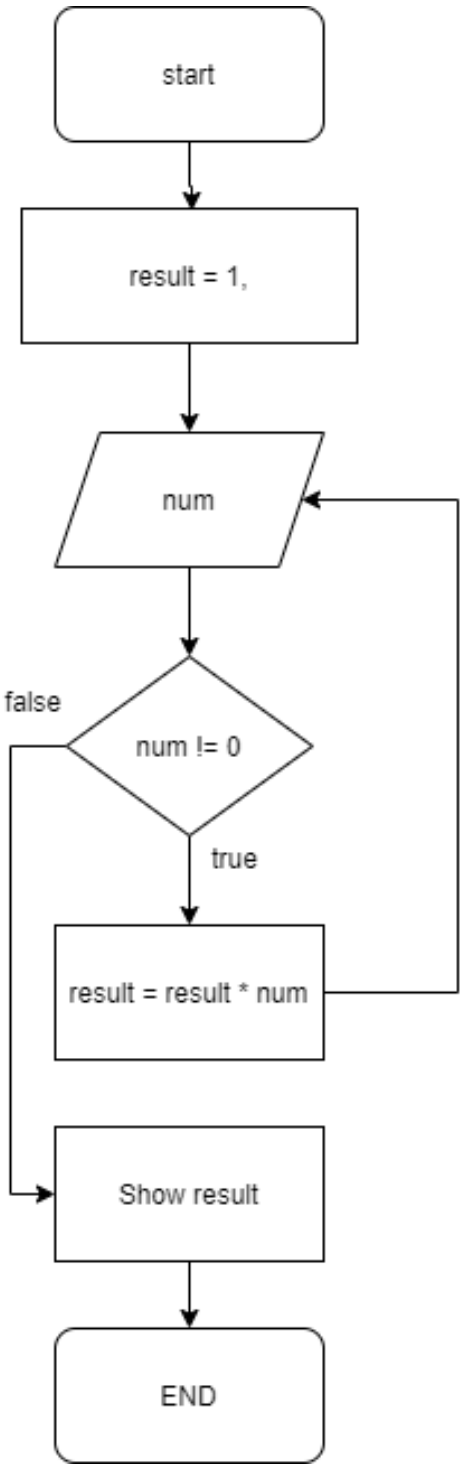
    STORE the user input in the num variable

    IF num != 0

        Result = Result * num

UNTIL num = 0

Output: print out Result


start
result = 1,
num
false
num != 0
true
result = result * num
Show result
END

EX4.

Using pseudo-code:

Input: electricity number as x

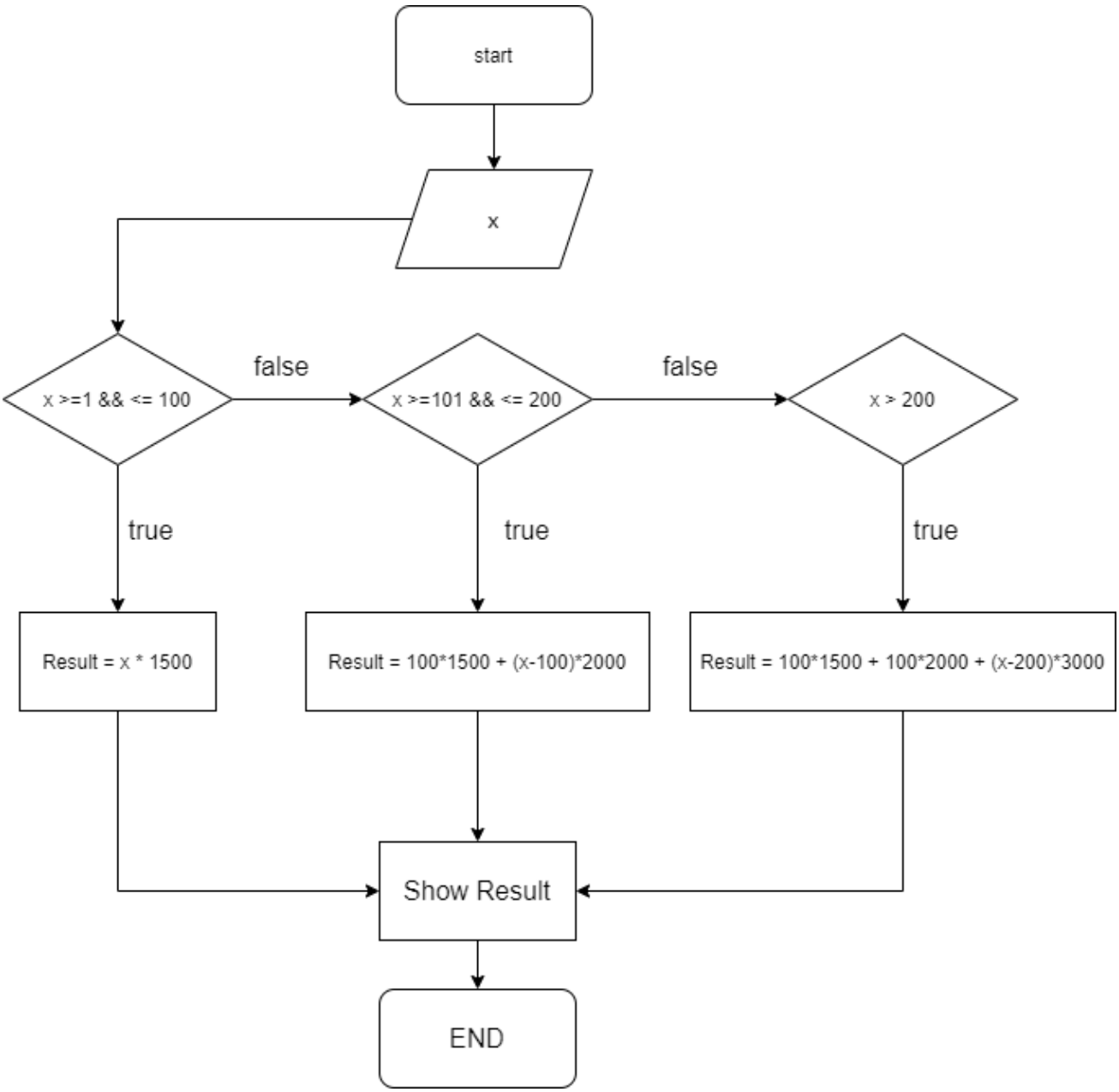
Processing:

INPUT user input a electricity number

STORE the user input in the x variable

```
IF ( x >= 1 && x <= 100 )
        Result = x * 1500
ELSE IF ( x >= 101 && <= 200 )
        Result = 100*1500 + (x-100)*2000
ELSE IF ( x > 200 )
        Result = 100*1500 + 100*2000 + (x-200)*3000
END IF
```

Output: print out Result


start
x
x >=1 && <= 100
false
x >=101 && <= 200
false
x > 200
true
true
true
Result = x * 1500
Result = 100*1500 + (x-100)*2000
Result = 100*1500 + 100*2000 + (x-200)*3000
Show Result
END