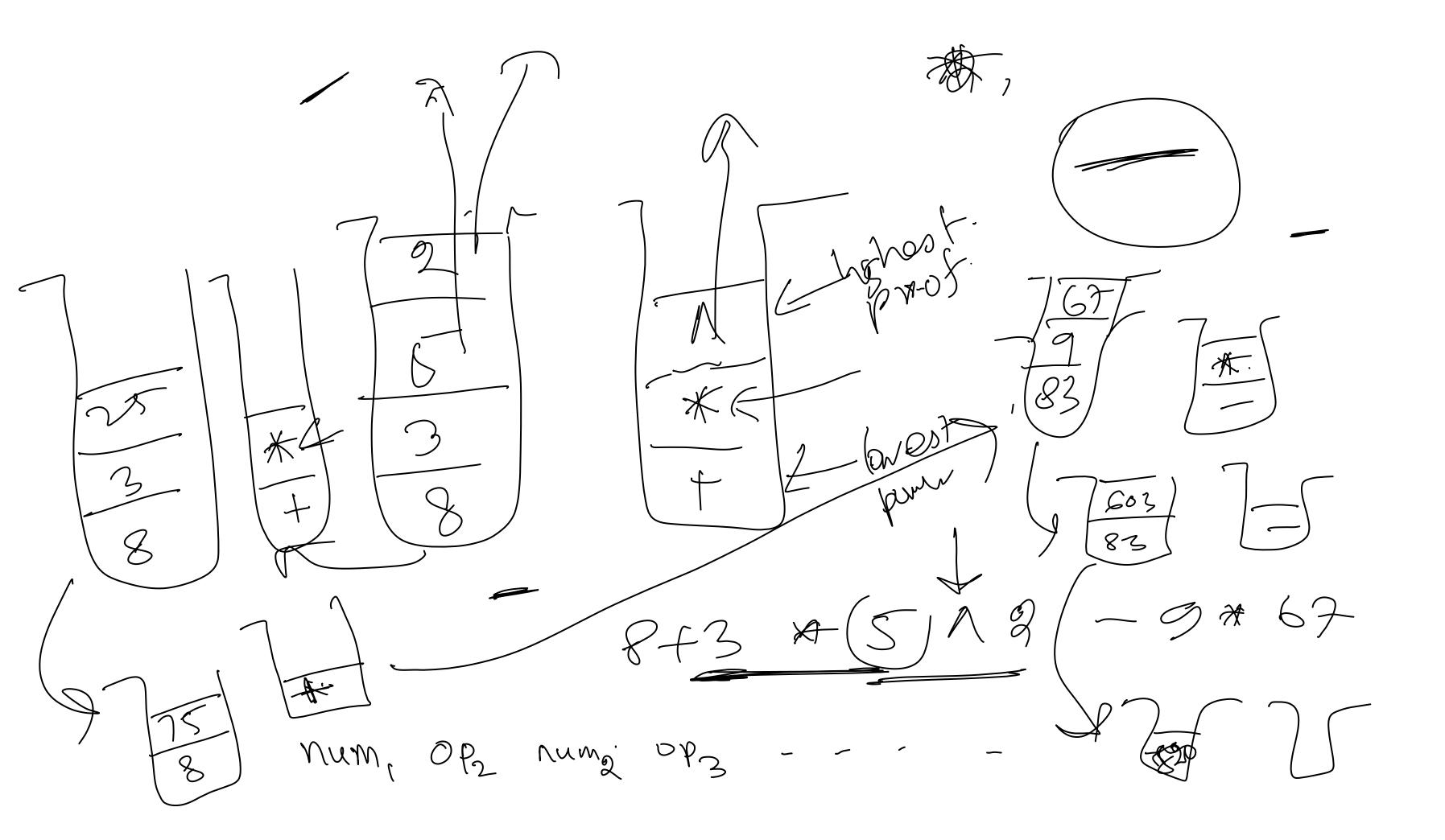
O9.16. 2029 ! Calculator

- numbers - operators. Use, 2 strcks i assumptions. Ino hum

Pop N Operate Mnumstack, opStack operator C op. Stack. pop () number = num Strck. pop () number 2 

numstrck. pop() Operate (number), number 2, opender)



lesson: poploperate whenever next symbol is ilos tran the opStack top symbol. Pronty ?

Calculator. (Input X) Koceline Morstacle & empty struck, num Struck & empty struck.

While (X-next () + NULL).

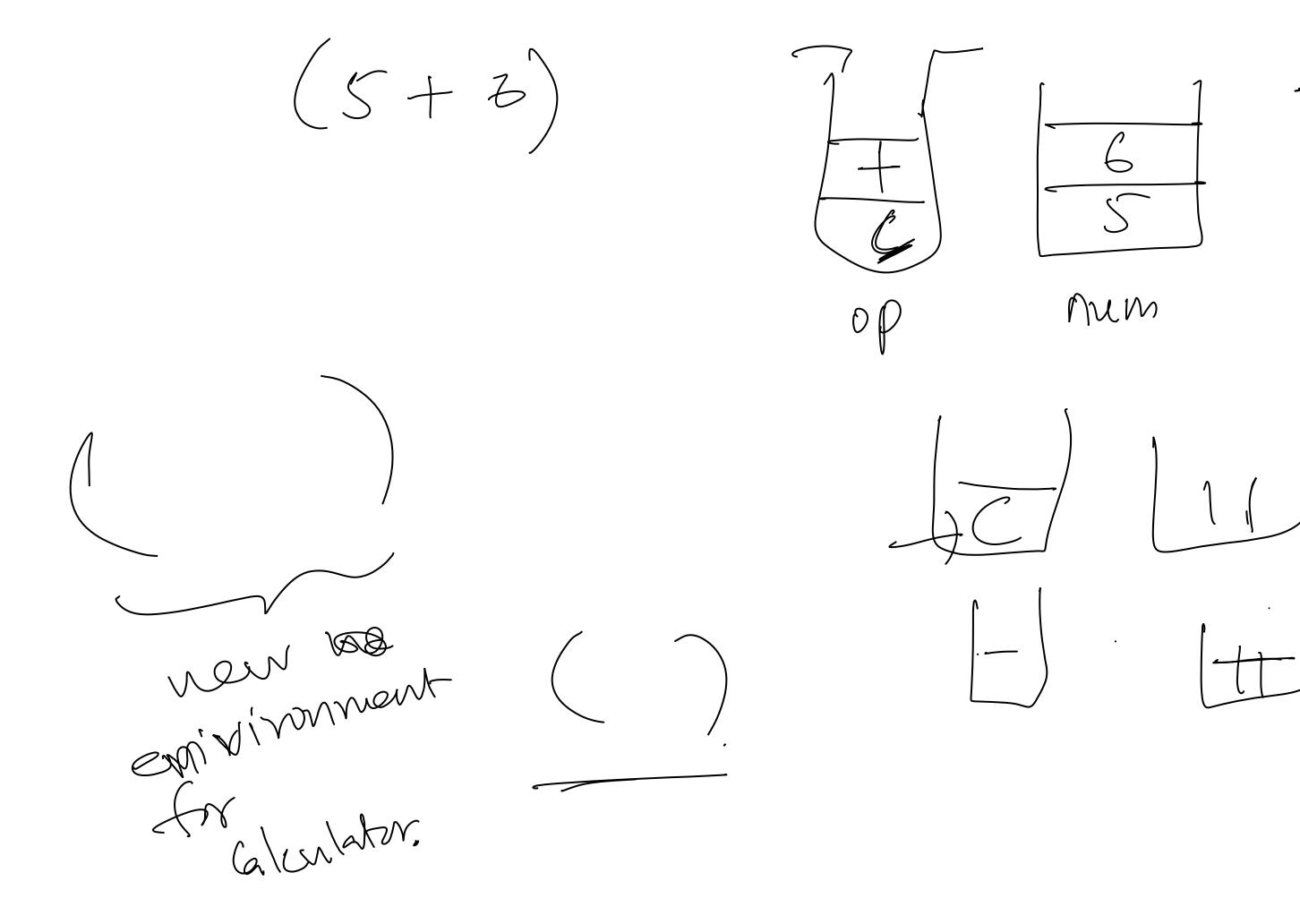
Swhile (x. rext () is an operator). Sorronty (opStack. peek())) popNOpente. () paop Shek. push (X-next()) if (x next () is a numbers)

nunstack. push ( \* next ()). While (opstrick is not empty) poploperate (). Number top (). rum

forenthesis () E Serves as a prew bottom of Shick. = Serves as a new end of input.

(C) must get the howest priority.

else if (S. next is (1)).
While (S. next() is not) While loop from
previous pseudo cude
will be repealed None. if (S. next & ')')



Opstack. Derpop ()

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if you have (5 + (3 + (0)) + (12 + 5)

ASSOCIAKIN

2 N 3 N 4  $2 \wedge (3 \wedge 4)$ Outside > inside 6 therway

Out privary > In privary outprimm Lin prosity

human behavon. (orrectivess: Invitates O(n)The Complexin. n = # mput. Advancel Algenten Karloniz el alphuis. m L. back propagation - Cryptogghic: