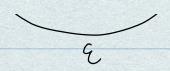
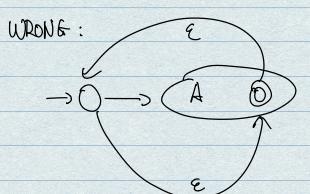
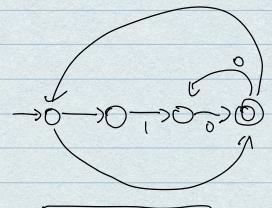
Lecture #4. Oweny Language. Call Chaining for AST Construction Program Optimization via AST Rewrite. AST Symax - driven code generation. NF-A Subset Construction DFA => Regular Expressions to NFA - Construct NFA for its constituents - Notation, NFA for vexp M. > (M 0)





Why : ( (0(00)\*)\*



(00 is accepted) X

# Overy Language.

vour desa = [....];

vor quoy = Q. filter (X=> ...);

var out = query. run (data);

=> Deep embedding -> optimization.

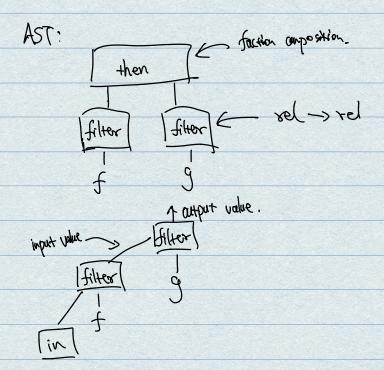
## L) program is represented as data (AST)

=> Shallow embedding data.filter(人);

Differences:

- 1. We can optimize AST in deep version.
- 2. determed execution. (run luter)

Q.filter (x=> x. stors >=2) .filer(x=> x. stors <=8);



# The Interpreter.

Una AST
U U

I I + pror

