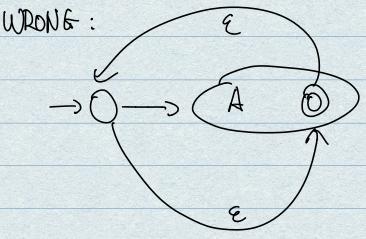
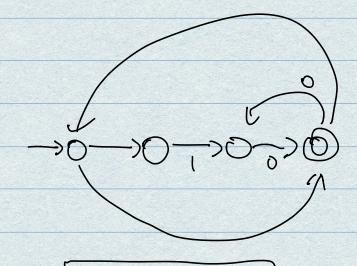
Lecture #4. Query Language. Call Chaining for AST Construction Program Opinization via AST Rewrite. AST Symax - driven code generation. NFA Subset Construction DFA => Regular Expressions to NFA - Constituents its constituents Notation, NFA for rexp M. > (M 0)



why: ((0(00)*)*



00 is accepted.

Overy Language.

vor duta = [....);

var quay = Q.filter (X=>);

var out = query. run (data);

=> Deep embedding -> optimization.

L) program is represented as date (AST)

=> Shallow embedding data.filter ();

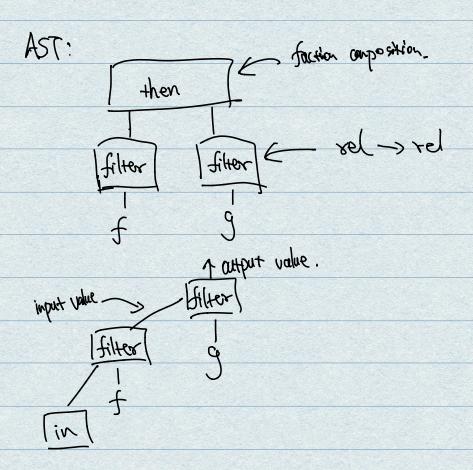
Differences:

1. We can optimize AST in deep version.

2. desterned execution. (run lutor)

Q. filter (x=> x. stors >=2)

· filer (X=) X. Shors <=8);



The Interpreter.

Una AST
U
T+pror

pottom up or topdown? filter Stores har -> bottom up. data output.