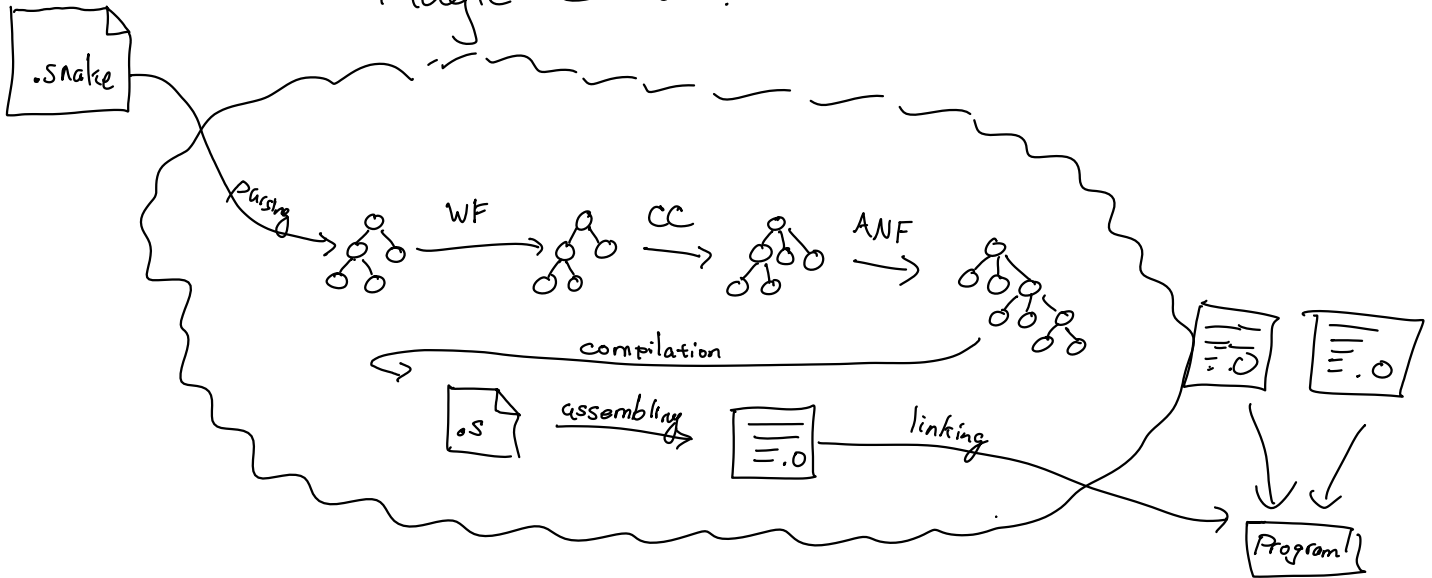


# Parsing

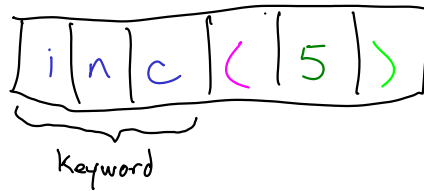
## Magic Cloud!



### Parsing Adder

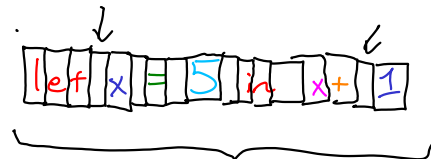
$\langle \text{expr} \rangle ::=$ 

- $\text{inc}(\langle \text{expr} \rangle)$
- $\text{dec}(\langle \text{expr} \rangle)$
- $\langle \text{int} \rangle$
- $\langle \text{ident} \rangle$
- $\text{let } \langle \text{ident} \rangle = \langle \text{expr} \rangle \text{ in } \langle \text{expr} \rangle$



inc(5)

let inc 5 let =  
increment(5)



let	→	keyword
x	—	identifier
=	—	symbol
5	—	literal
in	—	keyword
x	—	identifier
+	—	symbol
1	—	literal

### Tokenization

string → token list:

let lettuce = 4 in lettuce

cout << x;

cout << <x;