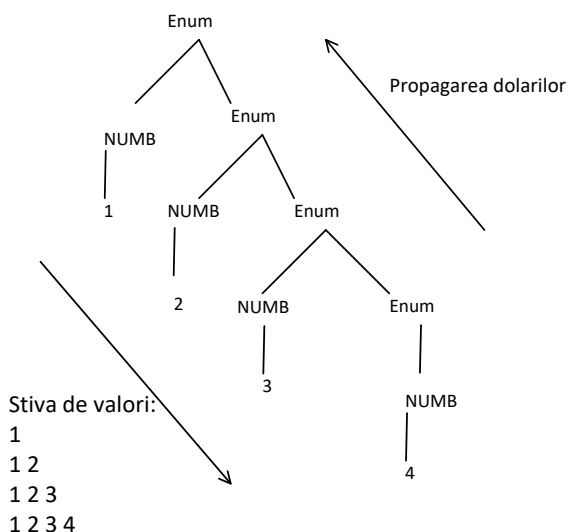


Postfix

Monday, March 23, 2020 9:42 AM

Recursivitate dreapta:

```
enum: NUMB enum  
| NUMB  
;
```



Compunerea listei:

4
3 4
2 3 4
1 2 3 4

Avantaj: Nu trebuie sa parcurgem lista, putem adauga un numar pur si simplu in capul listei.

TO DO

Write a program that will take arithmetic expressions as input and produce the corresponding postfix expression as output.
Example:

1+2
>1 2 +

(a - 5 + c) * 2
> a 5 - c + 2 *

a / 2 + - (a - 5 + c) * 2 ^ b
> a 2 / a 5 - c + - 2 b ^ * +

-> lex postfix.l

-> yacc -d postfix.y

-> gcc -o POSTFIX lex.yy.c y.tab.c -ly -ll

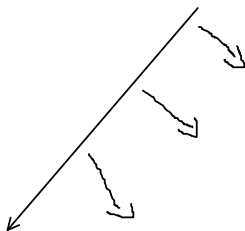
./POSTFIX

a / 2 + - (a - 5 + c) * 2 ^ b

Recursivitate stanga:

```
enum: enum NUMB  
| NUMB  
;
```

Pe stiva de valori se va pune cate un numar o data. Nu se pastreaza mai mult in cazul acesta.



Compunerea listei:

1
1 2
1 2 3
1 2 3 4

Dezavantaj: trebuie sa parcurgem toata lista de fiecare data, ca sa adaugam un element in capatul ei.