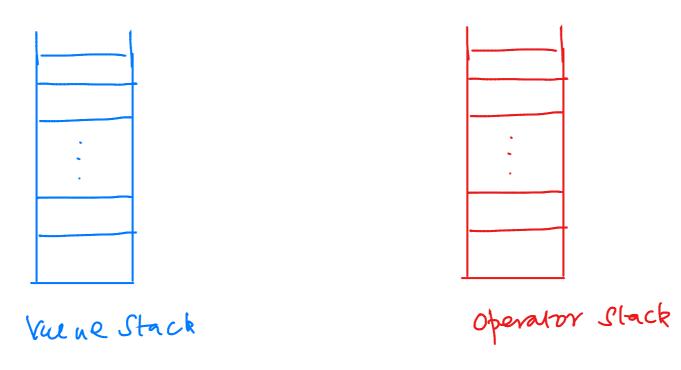
## 14-3\*2+74, where \$ = end of expression

General form: 2, 0, 22 0, 22 0, 24

 $\chi_1, \ldots, \chi_n$ : Operands

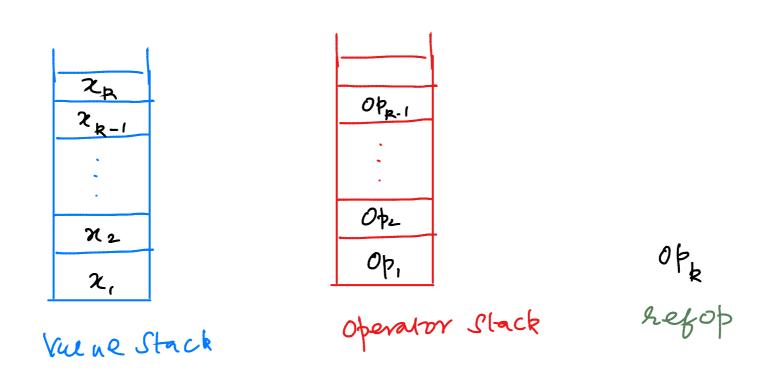
op,..., opn: operators

## Data stauduse

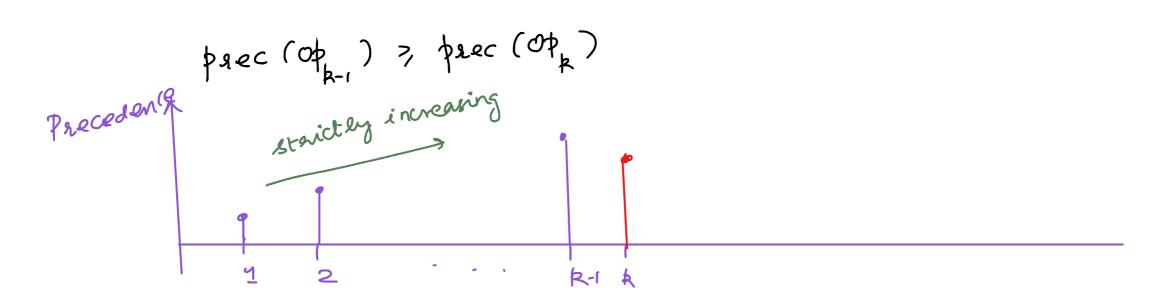


. We have to wait at least for  $z_1$  and  $z_2$  to get into value stack before we do operations.

• until the first doop() is called we are alternating between value stack and operator stack. Let us say this happens till we encounter of



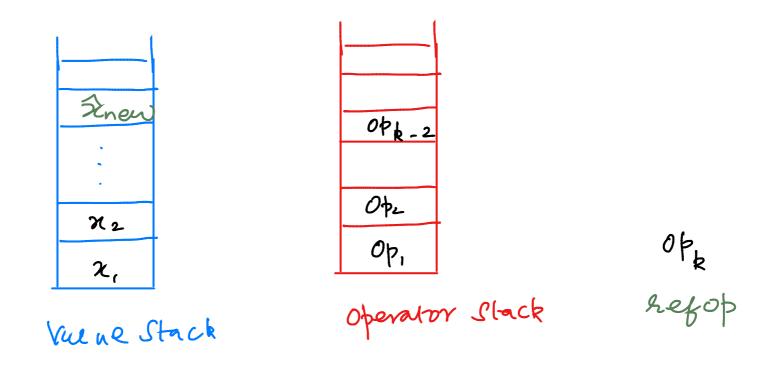
Note:  $p_{8ec}(op_1) < p_{8ec}(op_2) < \cdots < p_{8ec}(op_1)$ 



· way does it make sense to call dwop()

which should we compute first

. doop() itself is straight forward, pop  $2_k$  and  $x_{k+1}$  from Valstack, and  $op_{k-1}$  from opstack when  $\hat{x}_{new} = x_{k-1} op_{k-1} x_k$  and push it in the Velstack



$$\chi_1 \circ b_1 \chi_2 \circ b_2 \cdots \chi_{k-1} \chi_{k-1} \chi_{k-1} \chi_{k} \circ b_1 \chi_{k+1} \chi_$$

Relabel indices to night of k  $\chi_1 \circ k_1 \chi_2 \circ k_2 \cdots \circ k_{k-2} \quad \chi_{k-1} \quad \chi_{k-1} \chi_{k-1} \qquad \chi_{k-1} \chi_{k-$ 

