

```
for (x, c, l) in zip(feature_pyramid, self.class_pred, self.loc_pred):  
    class_preds.append(c(x).permute(0, 2, 3, 1))  
    loc_preds.append(l(x).permute(0, 2, 3, 1))
```

POSTFIX EVALUATION

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POSTFIX EVALUATION

- Scan the postfix expression from left to right.
- If the scanned token is an operand, push it to the stack.
- If the scanned token is an operator, pop the top two values in the stack, evaluate the operator, and push the result back to the stack.
- If all tokens are processed, pop the remaining number from the stack. It is the final answer.

POSTFIX EVALUATION

Example 1:

Postfix: 1 2 3 * + 4 +

Stack:

Output:

POSTFIX EVALUATION

Example 1:

Postfix: **1** 2 3 * + 4 +

Stack: 1,

Output:

POSTFIX EVALUATION

Example 1:

Postfix: 1 2 3 * + 4 +

Stack: 1, 2,

Output:

POSTFIX EVALUATION

Example 1:

Postfix: 1 2 3 * + 4 +

Stack: 1, 2, 3,

Output:

POSTFIX EVALUATION

Example 1:

Postfix: 1 2 3 * + 4 +

Stack: 1,

Output: 2 * 3

POSTFIX EVALUATION

Example 1:

Postfix: 1 2 3 * + 4 +

Stack: 1, 6,

Output:

POSTFIX EVALUATION

Example 1:

Postfix: 1 2 3 * **+** 4 +

Stack:

Output: 1 + 6

POSTFIX EVALUATION

Example 1:

Postfix: 1 2 3 * **+** 4 +

Stack: 7,

Output:

POSTFIX EVALUATION

Example 1:

Postfix: 1 2 3 * + 4 +

Stack: 7, 4,

Output:

POSTFIX EVALUATION

Example 1:

Postfix: 1 2 3 * + 4 

Stack:

Output: 7 + 4

POSTFIX EVALUATION

Example 1:

Postfix: 1 2 3 * + 4 +

Stack:

Output: 11

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 − * 84 7 + /

Stack:

Output:

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 - * 84 7 + /

Stack: 300,

Output:

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 - * 84 7 + /

Stack: 300, 23,

Output:

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 **+** 43 21 $-$ $*$ 84 7 $+$ $/$

Stack:

Output: 300 + 23

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 **+** 43 21 $-$ $*$ 84 7 $+$ $/$

Stack: 323,

Output:

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 - * 84 7 + /

Stack: 323, 43,

Output:

POSTFIX EVALUATION

Example 2:


Postfix: 300 23 + 43 21 − * 84 7 + /

Stack: 323, 43, 21,

Output:

POSTFIX EVALUATION

Example 2:


Postfix: 300 23 + 43 21  * 84 7 + /

Stack: 323,

Output: 43 – 21

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21  * 84 7 + /

Stack: 323, 22,

Output:

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 - * 84 7 + /

Stack:

Output: 323 * 22

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 − * 84 7 + /

Stack: 7106,

Output:

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 − * 84 7 + /

Stack: 7106, 84,

Output:

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 − * 84 7 + /

Stack: 7106, 84, 7,

Output:

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 − * 84 7 **+** /

Stack: 7106,

Output: 84 + 7

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 − * 84 7 + /

Stack: 7106, 91,

Output:

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 − * 84 7 + /

Stack:

Output: 7106 / 91

POSTFIX EVALUATION

Example 2:

Postfix: 300 23 + 43 21 − * 84 7 + /

Stack:

Output: 78.09

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack:

Output:

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack: 4,

Output:

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack: 4, 8,

Output:

POSTFIX EVALUATION

Example 3:


Postfix: 4 8 **+** 6 5 $-$ $*$ 3 2 $-$ 2 2 $+$ $*$ $/$

Stack:

Output: 4 + 8

POSTFIX EVALUATION

Example 3:

Postfix: 4 8  6 5 − ∗ 3 2 − 2 2 + ∗ /

Stack: 12,

Output:

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack: 12, 6,

Output:

POSTFIX EVALUATION

Example 3:


Postfix: 4 8 + 6 5 − * 3 2 − 2 2 + * /

Stack: 12, 6, 5,

Output:

POSTFIX EVALUATION

Example 3:


Postfix: 4 8 + 6 5  * 3 2 - 2 2 + * /

Stack: 12,

Output: 6 - 5

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5  * 3 2 - 2 2 + * /

Stack: 12, 1,

Output:

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack:

Output: 12 * 1

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack: 12,

Output:

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack: 12, 3,

Output:

POSTFIX EVALUATION

Example 3:


Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack: 12, 3, 2,

Output:

POSTFIX EVALUATION

Example 3:


Postfix: 4 8 + 6 5 − * 3 2  2 2 + * /

Stack: 12,

Output: 3 − 2

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 − * 3 2  2 2 + * /

Stack: 12, 1,

Output:

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack: 12, 1, 2,

Output:

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack: 12, 1, 2, 2,

Output:

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack: 12, 1,

Output: 2 + 2

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 − * 3 2 − 2 2 + * /

Stack: 12, 1, 4,

Output:

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 − * 3 2 − 2 2 + * /

Stack: 12,

Output: 1 * 4

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 − * 3 2 − 2 2 + * /

Stack: 12, 4,

Output:

POSTFIX EVALUATION

Example 3:

Postfix: 4 8 + 6 5 - * 3 2 - 2 2 + * /

Stack:

Output: 12 / 4

POSTFIX EVALUATION

Example 3:

Postfix: $4\ 8\ +\ 6\ 5\ -\ *\ 3\ 2\ -\ 2\ 2\ +\ */$

Stack:

Output: 3

```
for (x, c, l) in zip(feature_pyramid, self.class_pred, self.loc_pred):  
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