ror (x, c, 1) in zip(feature_pyramid, military) Class_preds.append(c(x).permute(*, 1, 1, 1, 1) loc_preds.append(1(x).permute(4, 1, 1, 1)

PREFIX TO INFIX

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- Reverse the prefix expression
- Scan the reversed prefix expression from left to right.
- If the scanned character is an operand, push it to the stack.
- If the scanned character is an operator, pop the top two values in the stack, affix the operator between them, then push the resulting string back to the stack.
- If all characters are processed, then the single expression in the stack is the infix notation

Example 1:

Prefix: + + 1 * 2 3 4

Reversed:

Stack:

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack:

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack: 4,

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack: 4, 3,

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack: 4, 3, 2,

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack: 4,

Output: 2 * 3

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack: 4,2*3,

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack: 4, 2 * 3, 1,

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack: 4,

Output: 1 + 2 * 3

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack: 4, 1 + 2 * 3,

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack:

Output: 1 + 2 * 3 + 4

Example 1:

Prefix: + + 1 * 2 3 4

Reversed: 432 * 1 + +

Stack:

Output: 1 + 2 * 3 + 4

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed:

Stack:

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + */

Stack:

Example 2:

```
Prefix: /* + 300 23 - 43 21 + 84 7
Reversed: 784 + 2143 - 23300 + */
Stack: 7,
Output:
```

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + * /

Stack: 7,84,

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 7.84 + 21.43 - 23.300 + * /

Stack:

Output: 84 + 7

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 7.84 + 21.43 - 23.300 + * /

Stack: 84 + 7,

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + */

Stack: 84 + 7, 21,

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + * /

Stack: 84 + 7, 21, 43,

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + * /

Stack: 84 + 7,

Output: 43 - 21

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + * /

Stack: 84 + 7,43 - 21,

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + * /

Stack: 84 + 7,43 - 21,23,

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + * /

Stack: 84 + 7,43 - 21,23,300,

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 7.84 + 21.43 - 23.300 + * /

Stack: 84 + 7,43 - 21,

Output: 300 + 23

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + * /

Stack: 84 + 7,43 - 21,300 + 23,

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + */

Stack: 84 + 7,

Output: (300 + 23) * (43 - 21)

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
Reversed: 784 + 2143 - 23300 + */
Stack: 84 + 7,(300 + 23)*(43 - 21),
```

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 7.84 + 21.43 - 23.300 + * /

Stack:

Output: (300 + 23) * (43 - 21) / (84 + 7)

Example 2:

```
Prefix: /* + 30023 - 4321 + 847
```

Reversed: 784 + 2143 - 23300 + * /

Stack:

Output: (300 + 23) * (43 - 21) / (84 + 7)

Example 3:

Prefix: /* + 48 - 65 * - 32 + 22

Reversed:

Stack:

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed: 22 + 23 - *56 - 84 + */

Stack:

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed:
$$22 + 23 - *56 - 84 + */$$

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed: 22 + 23 - *56 - 84 + */

Stack: 2, 2,

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed: 22 + 23 - *56 - 84 + */

Stack:

Output: 2+2

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed: 22 + 23 - *56 - 84 + */

Stack: 2+2,

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed: 22 + 23 - *56 - 84 + */

Stack: 2 + 2, 2,

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed: 22 + 23 - *56 - 84 + */

Stack: 2 + 2, 2, 3,

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed:
$$22 + 23 - *56 - 84 + */$$

Stack:
$$2+2$$
,

Output:
$$3-2$$

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed: 22 + 23 - *56 - 84 + */

Stack: 2 + 2, 3 - 2,

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed:
$$22 + 23 - *56 - 84 + */$$

Stack:

Output:
$$(3-2)*(2+2)$$

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
```

Reversed: 22 + 23 - *56 - 84 + */

Stack:
$$(3-2)*(2+2)$$
,

```
Prefix: /* + 48 - 65 * - 32 + 22
Reversed: 22 + 23 - * 56 - 84 + */
Stack: (3-2)*(2+2),5,
Output:
```

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
Reversed: 22 + 23 - *56 - 84 + */
Stack: (3-2)*(2+2),5,6,
```

Example 3:

Output: 6-5

```
Prefix: /* + 48 - 65 * - 32 + 22
Reversed: 22 + 23 - *56 - 84 + */
Stack: (3-2)*(2+2),
```

Example 3:

```
Prefix: /* + 48 - 65 * - 32 + 22
Reversed: 22 + 23 - *56 - 84 + */
Stack: (3-2)*(2+2),6-5,
```

```
Prefix: /* + 48 - 65 * - 32 + 22
Reversed: 22 + 23 - *56 - 84 + */
Stack: (3-2)*(2+2),6-5,8,
Output:
```

```
Prefix: /* + 48 - 65 * - 32 + 22
Reversed: 22 + 23 - *56 - 84 + */
Stack: (3-2)*(2+2),6-5,8,4,
Output:
```

```
Prefix: /* + 48 - 65 * - 32 + 22
Reversed: 22 + 23 - *56 - 84 + */
```

Stack:
$$(3-2)*(2+2), 6-5,$$

Output:
$$4+8$$

```
Prefix: /* + 48 - 65 * - 32 + 22

Reversed: 22 + 23 - *56 - 84 + */

Stack: (3-2)*(2+2), 6-5, 4+8,

Output:
```

```
Prefix: /* + 48 - 65 * - 32 + 22

Reversed: 22 + 23 - *56 - 84 + */

Stack: (3-2)*(2+2),

Output: (4+8)*(6-5)
```

```
Prefix: /* + 48 - 65 * - 32 + 22

Reversed: 22 + 23 - *56 - 84 + */

Stack: (3-2)*(2+2), (4+8)*(6-5),

Output:
```

Example 3:

```
Prefix: /* + 48 - 65* - 32 + 22
```

Reversed:
$$22 + 23 - *56 - 84 + *$$

Stack:

Output:
$$(4+8)*(6-5)/((3-2)*(2+2))$$

Example 3:

```
Prefix: /* + 48 - 65* - 32 + 22
```

Reversed:
$$22 + 23 - *56 - 84 + */$$

Stack:

Output:
$$(4+8)*(6-5)/((3-2)*(2+2))$$

ror (x, c, 1) in zip(feature_pyramid, military) Class_preds.append(c(x).permute(*, 1, 1, 1, 1) loc_preds.append(1(x).permute(4, 1, 1, 1)

PREFIX TO INFIX

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