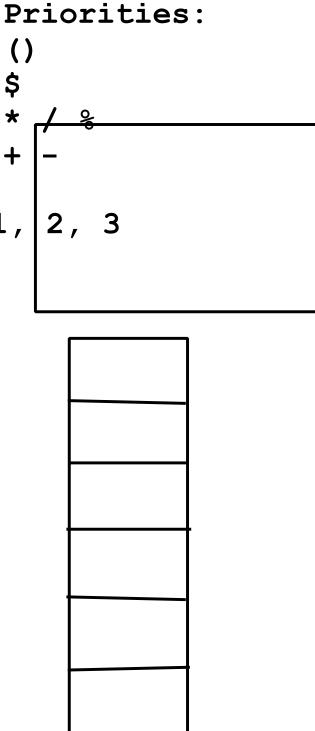
```
## Stack Applications ##
                         ## Infix to postfix conversion ##
Expression: combination of operator(s) and operands
    Operator: the mathematical operation to be performed eg + - * /
    Operands: the values on which we perform the operations eg a, b, 1, |2, |3
Types of Expression:
1. Infix : a + b -> human
2. Prefix : + a b -> computer
3. Postfix : a b +
                       -> computer
   Infix Expression : a * b / c * d + e - f * h + i
  Postfix Expression: a b * c / d * e + f h * - i +
```



stack

```
Priorities:
                                                           ()
                      ## Stack Applications ##
                                                           $
* / %
                   ## Infix to prefix conversion ##
Infix Expression : a * b / c * d + e - f * h + i
Expression: i h f * e d c b a * / * + - +
Prefix Expression: + - + * / * a b c d e * f h i
```

stack

```
## Stack Applications ##
## Infix to postfix and prefix conversion ##
```

```
Infix Expression :
a * b / c * d + e - f * h + i
1 2 3 5 6 4 7

Postfix Expression:
a b * / c * d + e - f * h + i
a b * c / * d + e - f * h + i
a b * c / d * + e - f * h + i
a b * c / d * + e - f h * + i
a b * c / d * e + - f h * + i
a b * c / d * e + - f h * - i +
```

```
Infix Expression :
a * b / c * d + e - f * h + i
1 2 3 5 6 4 7

Prefix Expression:
* a b / c * d + e - f * h + i
* / * a b c d + e - f * h + i
* / * a b c d + e - * f h + i
+ * / * a b c d e - * f h + i
- + * / * a b c d e * f h + i
```

Postfix Expression:

Prefix Expression:

```
## Stack Applications ##
## Prefix to postfix conversion ##
```

Prefix Expression : * + a b - c d

Postfix Expression : a b + c d - *

	ab+	cd-	*	
Stack				

Postfix Expression : a b c - + d e - f g - h + / *