$$\frac{-infix}{-predix} = \frac{-infix}{-predix}$$

$$\frac{-predix}{-predix} = \frac{-predix}{-predix}$$

$$\frac{-predix}{-predix} =$$

2 + 4 \* (6 / 2 + 1) - 3

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UP Mator

(i) operand -) push it in operand stack.

(ii) open ofor -) evaluate

high or equal sportix

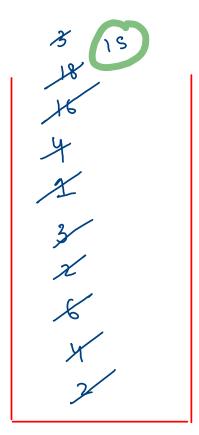
givet, then push

this cum ant operativ.

(iii) (-) rush it in opendur Stack.

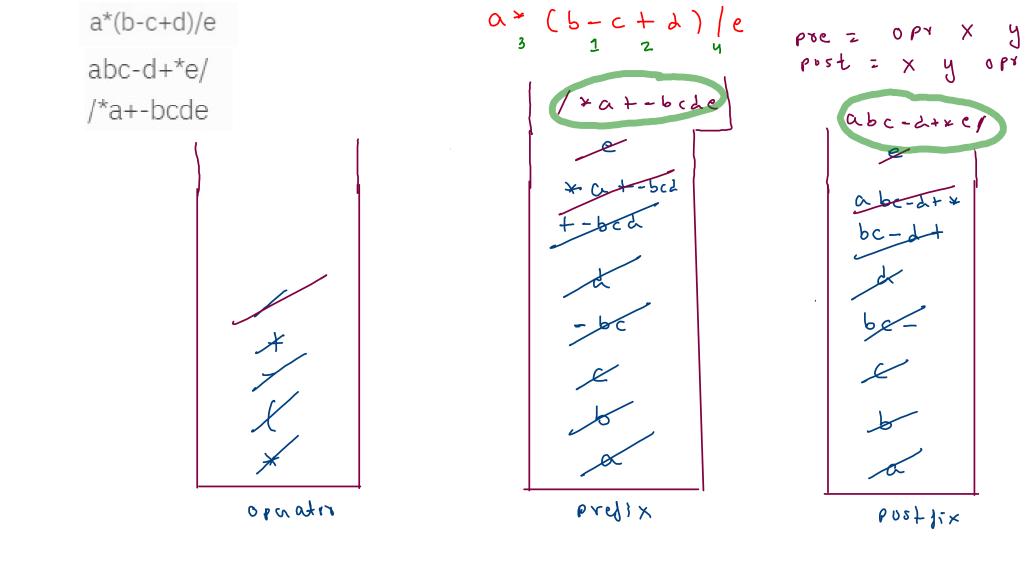
(iv) ) -> evaluate till opening.

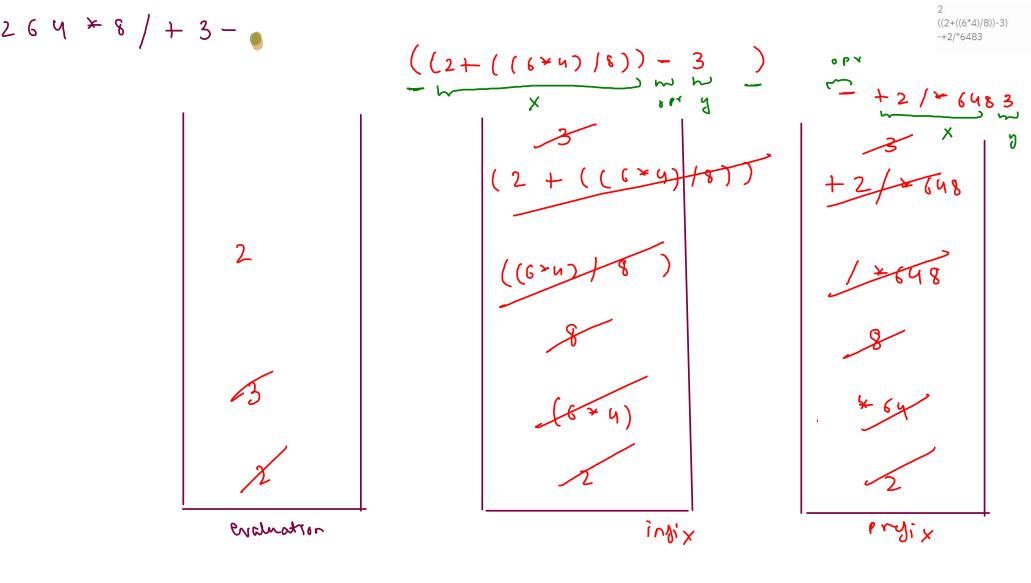
```
public static int infix evaluation(String exp) {
                                                    public static int calculate(int a,int b,char opr) {
   Stack<Integer>operand = new Stack<>();
                                                         if(opr == '+') {
   Stack(Character>operator = new Stack(>();
                                                             return a+b;
   for(int i=0; i < exp.length();i++) {
      char ch = exp.charAt(i);
                                                         else if(opr == '-') {
                                                             return a-b;
       if(ch == '(') {
         operator.push(ch):
                                                         else if(opr == '*') {
       else if(ch >= '0' && ch <= '9') {
                                                             return a*b;
         //ch -> operand
          operand.push(ch-'0');
                                                         else if(opr == '/'){
       else if(ch == ')') {
                                                             return a/b;
          //evaluate till opening bracket
          while(operator.peek() != '(') {
                                                         else {
              char opr = operator.pop();
              int b = operand.pop();
                                                            return -1;
              int a = operand.pop();
              int val = calculate(a,b,opr);
              operand.push(val);
          operator.pop(); //pop '('
       else if(ch == '+' || ch == '-' || ch == '*' || ch == '/') {
          //ch -> operator
          while(operator.size() > 0 && operator.peek() != '(' && priority(ch) <= priority(operator.peek())) {
              char opr = operator.pop();
              int b = operand.pop();
              int a = operand.pop();
              int val = calculate(a,b,opr);
              operand.push(val);
          operator.push(ch);
                                                                public static int priority(char opr) {
                                                                     if(opr == '+' || opr == '-') {
   while(operator.size() > 0) {
                                                                         return 1;
       char opr = operator.pop();
       int b = operand.pop();
                                                                     else if(opr == '*' || opr == '/') {
       int a = operand.pop();
                                                                         return 2;
       int val = calculate(a,b,opr);
       operand.push(val);
                                                                     else {
                                                                        return -1;
```



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que ue introduction q.add (10)

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q. add (20)

q. add (30)

q. rc move() -> 10 q. pech () -> 20

romove pech

add

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