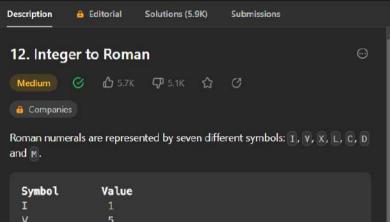


```
i Java V - Auto
  1 class Solution {
          public String longestCommonPrefix(String[] strs) {
                Arrays.sort(strs);
              String s1 = strs[0];
              String s2 = strs[strs.length-1];
              int idx = 0;
              while(idx < s1.length() && idx < s2.length()){</pre>
                  if(s1.charAt(idx) == s2.charAt(idx)){
                      idx++;
                  } else {
                      break:
         Result
Testcase
Accepted Runtime: 0 ms
             • Case 2
  • Case 1
  ["flower","flow","flight"]
Output
  "f]"
Expected
  "fl"
                                                 Contribute a testcase
Console ~
                                                                                                             Submit
                                                                                                    Run
```



For example, 2 is written as II in Roman numeral, just two one's added together. 12 is written as XII, which is simply X + II. The number 27 is written as XXVII, which is XX + V + II.

Roman numerals are usually written largest to smallest from left to right. However, the numeral for four is not IIII. Instead, the number four is written as IV. Because the one is before the five we subtract it making four. The same principle applies to the number nine, which is written as IX. There are six instances where subtraction is used:

- I can be placed before V (5) and X (10) to make 4 and 9.
- X can be placed before L (50) and C (100) to make 40 and 90.
- C can be placed before D (500) and M (1000) to make 400 and 900.

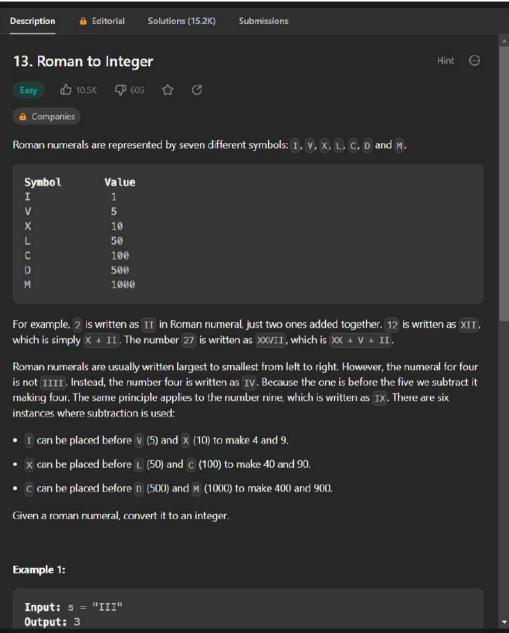
Given an integer, convert it to a roman numeral.

10 50

100 500 1000

Example 1:

```
/ Java V - Auto
   1 class Solution {
          public String intToRoman(int num) {
              String[] ones = {"", "I", "II", "III", "IV", "V", "VI", "VIII", "VIII", "IX"};
              String[] tens = {"", "X", "XX", "XXX", "XL", "L", "LX", "LXX", "LXXX", "XC"};
              String[] hrns = {"", "C", "CC", "CCC", "CD", "D", "DC", "DCC", "DCCC", "CM"};
              String[] ths = {"", "M", "MM", "MMM"};
              return ths[num / 1000] + hrns[(num % 1000) / 100] + tens[(num % 100) / 10] + ones[num % 10];
10 }
 Testcase
         Result
 Accepted Runtime: 14 ms
                          • Case 3
   Case 1
              • Case 2
 Input
   num =
   3
 Output
   "III"
 Expected
   "III"
                                                 Contribute a testcase
                                                                                                            Submit
 Console ~
                                                                                                   Run
```



```
i Java V - Auto
         public int romanToInt(String s) {
              int ans =0, num =0;
              for (int i = s.length()-1; i>= 0; i--){
                  switch(s.charAt(i)){
                      case'I': num = 1; break;
                      case'V': num = 5; break;
                      case'X': num = 10; break;
                      case'L': num = 50; break;
                      case'C': num = 100; break;
                      case'D': num = 500; break;
                      case'M': num = 1000; break;
                  if (4 * num < ans) ans -=num;
                  else ans += num;
             return ans:
Testcase
        Result
Accepted Runtime: 0 ms
 Case 1
             . Case 2

    Case 3

Input
 "III"
Output
 3
Expected
                                                                                          Submit
Console ~
                                                                                 Run
```