

Logic test explanation

In `alpha_string.py` file, in `server` folder, i applied the following logic:

1. First, I consider that for every set of Roman letters there is, necessarily, a non-Roman letter separating each sequence.
 - So, for the following string: `AXXBLX`, the separator letter is `A` and `B`.
2. I wrote down all roman letters in a python dictionary, like this:

```
VALUE_ROMAN_CHARACTERS = {  
    "I": 1,  
    "V": 5,  
    "X": 10,  
    "L": 50,  
    "C": 100,  
    "D": 500,  
    "M": 1000,  
    "IV": 4,  
    "IX": 9,  
    "XL": 40,  
    "XC": 90,  
    "CD": 400,  
    "CM": 900  
}
```

3. Given a sequence with pattern: $(S_k s_n S_{k+1})^*$, where:

- S_k is k-th roman letters set;
- s_n is a separator letter between S_k and S_{k+1} ;

if : $S_k \in [I, V, X, L, C, D, M, IV, IX, XL, XC, CD, CM]$

then : $value = \text{VALUE_ROMAN_CHARACTERS}[S_k]$

(That is, the set has only one of the Roman letters present in the dictionary)

else :

$$value = \sum_{i=0}^{len(S_k)} VRC[S_k[i]]$$

, where $VRC = \text{VALUE_ROMAN_CHARACTERS}$

(That is, the sum of the conversions of each Roman letter in the set)