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61 // 4. The number of different substring in a string in  $O(n \cdot n)$ 
62 // We take the string  $t = s + c$  and reverse it
63 // then the number of new substrings appearing when we add a new character  $c$  is  $s+1-$ 
    max(pi)
64
65 // 5. the next smaller prefix  $< j$  that is also a suffix ending at position  $i$ .
66 // Thus at the position  $i$  ends the prefix of length  $pi[i]$ , the prefix of length
    pi[pi[i] - 1]
67 // the prefix  $pi[pi[pi[i] - 1] - 1]$ , and so on, until the index becomes zero.

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