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BM算法:GS策略:构造gs表

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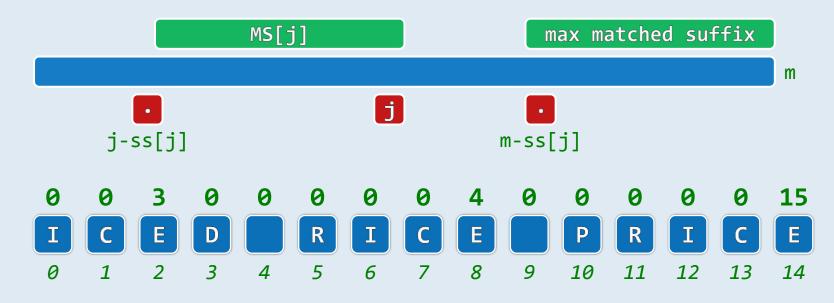
Wrong cannot afford defeat, but Right can.

## MS[] → ss[]

\*\* 
$$\Rightarrow$$
:  $|MS[j]| = \max_{0 \le s \le j+1} \{P(j-s,j] = P[m-s,m)\}, \ 0 \le j < m$ 

即P[0,j]所有后缀中,与P的某一后缀匹配的最长者

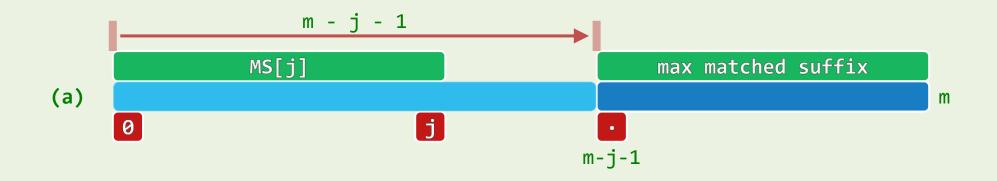
**♦♦:** 
$$ss[j] = |MS[j]| ≤ j + 1, 0 ≤ j < m$$



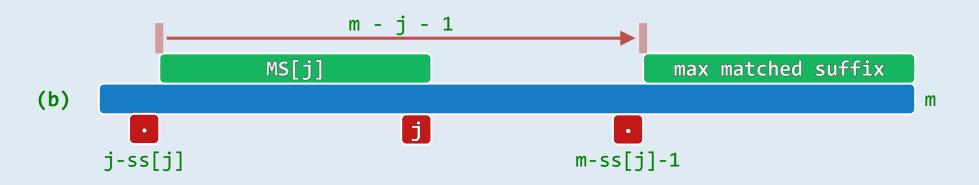
❖ 实际上 ,ss[] 表中蕴含了gs[]表的所有信息 //无非两种情况...

## ss[] **→** gs[]

a) 若 ss[j] = j+1 , 则对于任何 i < m-j-1 , m-j-1必是 gs[i] 的一个候选



b) 若 $ss[j] \le j$ ,则m - j - 1必是gs[m - ss[j] - 1]的一个候选



## 构造ss[]

