

0 1 2 3 4 5 6 7 8 9 0

position

**m i s s i s s i p p i**

input s

suffixes mod 1

suffixes mod 2

**i s s i s s i p p i 0 0 s s i s s i p p i**

triples

triple names

3 3 2 1 5 5 4

**3 3 2 1 5 5 4**

$s^{12}$

recursive call

**3 2 1 0 6 5 4**

$SA^{12}$

4 3 2 1 7 6 5

$\overline{SA}^{12}$

sorted suffixes mod 0

sorted suffixes mod 1, 2,  $SA^{12}$

0	9	6	3	10	7	4	1	8	5	2
<b>mi7</b>	<b>pi0</b>	<b>si5</b>	<b>si6</b>	<b>i0</b>	<b>i5</b>	<b>i6</b>	<b>i7</b>	<b>pp1</b>	<b>ss2</b>	<b>ss3</b>
<b>m4</b>	<b>p1</b>	<b>s2</b>	<b>s3</b>							

position in s

repr. for 0–2 compare

repr. for 0–1 compare

merge

10	7	4	1	0	9	8	6	3	5	2
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suffix array SA