

00	<i>p</i> :	0	1	2	3	4	5	6	7	8	9	10	11	12	13
01	<i>x</i> [ <i>p</i> ]:	2	1	3	1	3	1	2	1	3	1	3	1	2	1
02	<i>sa</i> [ <i>p</i> ]:	13	11	5	9	3	7	1	12	6	0	10	4	8	2
03	<i>lcp</i> [ <i>p</i> ]:	0	1	3	1	5	3	7	0	2	8	0	4	2	6

04 Compute  $\text{fp}(0, p)$  for  $p \in [0, n)$ :

$$05 \quad \text{fp}(0, 0) = \text{fp}(0, -1) \cdot 101 + x[0] \bmod 197 = 2,$$

$$06 \quad \text{fp}(0, 1) = \text{fp}(0, 0) \cdot 101 + x[1] \bmod 197 = 6,$$

$$07 \quad \text{fp}(0, 2) = \text{fp}(0, 1) \cdot 101 + x[2] \bmod 197 = 18,$$

08 .....  
09

$$\text{fp}(0, p): \quad 2 \quad 6 \quad 18 \quad 46 \quad 118 \quad 99 \quad 151 \quad 83 \quad 112 \quad 84 \quad 16 \quad 41 \quad 6 \quad 16$$

10 For  $\text{suf}(\text{sa}[0])$  and  $\text{suf}(\text{sa}[1])$ :

$$11 \quad \text{fp}(\text{sa}[1], \text{sa}[1] + \text{lcp}[1] - 1) = \text{fp}(11) - \text{fp}(10) \cdot 101^1 \bmod 197$$

$$12 \quad = 1$$

$$13 \quad \text{fp}(\text{sa}[0], \text{sa}[0] + \text{lcp}[1] - 1) = \text{fp}(13) - \text{fp}(12) \cdot 101^1 \bmod 197$$

$$14 \quad = 1$$

15 For  $\text{suf}(\text{sa}[1])$  and  $\text{suf}(\text{sa}[2])$ :

$$16 \quad \text{fp}(\text{sa}[2], \text{sa}[2] + \text{lcp}[2] - 1) = \text{fp}(7) - \text{fp}(4) \cdot 101^3 \bmod 197$$

$$17 \quad = 160$$

$$18 \quad \text{fp}(\text{sa}[1], \text{sa}[1] + \text{lcp}[2] - 1) = \text{fp}(13) - \text{fp}(10) \cdot 101^3 \bmod 197$$

$$19 \quad = 160$$

20 .....  
21