i	SA	ISA	PSV	NSV	$S_{SA[i]}$
0	0	0	0	0	
1	21	7	0	2	$
2	20	12	0	3	A$
3	17	9	0	4	AABA$
4	10	14	0	7	AABABDC...
5	18	21	4	6	ABA$
6	11	19	4	7	ABABDCA...
7	1	18	0	22	ABABDCC...
8	13	17	7	9	ABDCAAB...
9	3	16	7	12	ABDCCCC...
10	19	4	9	11	BA$
11	12	6	9	12	BABDCAA...
12	2	11	7	22	BABDCCC...
13	14	8	12	14	BDCAABA...
14	4	13	12	22	BDCCCCA...
15	16	20	14	16	CAABA$
16	9	15	14	17	CAABABD...
17	8	3	14	18	CCAABAB...
18	7	5	14	19	CCCAABA...
19	6	10	14	21	CCCCAAB...
20	15	2	19	21	DCAABA$
21	5	1	14	22	DCCCCAA...
22	0	0	0	0	

Algorithm 2: LZ_Factor

1 $\ell_{psv} \leftarrow |lcp(S_{psv}, S_k)|$
2 $\ell_{nsv} \leftarrow |lcp(S_{nsv}, S_k)|$
3 **if** $\ell_{psv} > \ell_{nsv}$ **then**
4 $\quad (p, \ell) \leftarrow (psv, \ell_{psv})$
5 **else**
6 $\quad (p, \ell) \leftarrow (nsv, \ell_{nsv})$
7 **if** $\ell = 0$ **then**
8 $\quad p \leftarrow S[k]$
9 **print**: factor (p, ℓ)
return : k + max{ℓ,1}

Algorithm 5: Computation of the LZ-factorization in O(n) time

1 $k \leftarrow 1$
2 **while** $k \leq n$ **do**
3 $\quad psv \leftarrow SA[PSV_{lex}[ISA[k]]]$
4 $\quad nsv \leftarrow SA[NSV_{lex}[ISA[k]]]$
5 $\quad k \leftarrow$ `LZ_Factor(`k, psv, nsv`)`