Solution: The border table is built as follows:

1.

CTTGCTTGTCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	0	0	0	0	0	0	0	0	0	0	0	0	0

No border found.

2.

CTTGCTTGTCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	0	0	0	0	0	0	0	0	0	0	0	0

No border found.

3.

CTTGCTTGTCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	0	0	0	0	0	0	0	0	0	0	0

No border found.

4.

CTTGCTTGTCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0	0

No border found.

5.

CTTGCTTGTCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	**0**	**0**	0	0	0	0	0	0	0	0	0

No border found.

6.

CTTG**C**TTGTCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	**0**	**0**	**1**	0	0	0	0	0	0	0	0

A border of length **1** is found.

7.

CTTG**CT**TGTCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	**0**	**0**	**1**	**2**	0	0	0	0	0	0	0

A border of length **2** is found.

8.

CTTG**CTT**GTCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	**0**	**0**	**1**	**2**	**3**	0	0	0	0	0	0

A border of length **3** is found.

9.

CTTGC**TTG**TCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**4**	0	0	0	0	0

A border of length **4** is found.

10.

CTTGCTTGTCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**4**	**0**	0	0	0	0

No border found.

11.

CTTGCTTGT**C**TGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**4**	**0**	**1**	0	0	0

A border of length **1** is found.

12.

CTTGCTTGT**CT**GG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**4**	**0**	**1**	**2**	0	0

A border of length **2** is found.

13.

CTTGCTTGTCTGG

j	0	1	2	3	4	5	6	7	8	9	10	11	12
B(j)	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**4**	**0**	**1**	**2**	**0**	0

No border found.