

A

 X'

1	1	1	1
1	0	1	0
0	1	0	1
1	0	0	1
0	1	0	0
0	0	1	0
1	0	0	0
0	1	0	0
0	0	1	0
0	0	0	1

shift by 1

shift by 1

shift by 2

shift by 1

⋮

shift by 3

redundant

ambiguous period

B

 X

1	1	1	1
1	0	1	0
0	1	0	1
1	0	0	1

$$T_{is} = T_{is}(1) = 1$$

$$T_{is} = T_{is}(2) = 2$$

$$T_{is} = T_{is}(3) = 2$$

$$T_{is} = T_{is}(4) = 3$$

$$T_{is} = T_{is}(5) = 3$$

$$T_{is} = T_{is}(6) = 3$$

$$T_{is} = T_{is}(7) = 4$$

⋮

⋮