S0 = 0 0

S1 = 0 1

S2 = 1 0

S3 = 1 1

b1	b0	a	b	n1	n0	x
0	0	0	1	0	0	0
0	0	0	0	0	0	0
0	0	1	1	0	0	0
0	0	1	0	0	1	0
0	1	0	1	0	0	0
0	1	0	0	0	0	0
0	1	1	1	1	0	1
0	1	1	0	1	1	1
1	0	0	1	1	1	1
1	0	0	0	1	0	1
1	0	1	1	1	0	1
1	0	1	0	0	0	0
1	1	0	1	1	1	1
1	1	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	0	0	0	0

$N1 = b1.(b + b0'.a'.b') + b1'.b0.a$

$N0 = a (b1'.b' + b1.b0.b) + b1.a'.b$

states	x
s2	1
s3	1

$X = s2 + s3$