| F0 | F1 | F2 | F3 |
|----|----|----|----|
| S0 | 0 | 0 | 0 |
| 0 | S1 | 0 | 0 |
| 0 | 0 | S2 | S3 |

**X**

| |
|---|
| N0 |
| N1 |
| N2 |
| N3 |

T1

**=**

| |
|---|
| N0 |
| N1 |
| N2 |
| N3 |

T2

$N0\_t+1 = F0*N0 + F1*N1 + F2*N3 * F3*N3$

$N1\_t+1 = S0 * N0 + 0*N1 + 0*N2 + 0*N3$

$N2\_t+1 = 0 * N0 + S1*N1 + 0*N2 + 0*N3$

$N3\_t+1 = 0 * N0 + 0*N1 + S2*N3 + S3*N3$