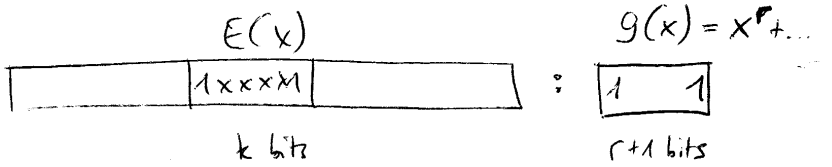
Burst error is detected with $k \leq r$

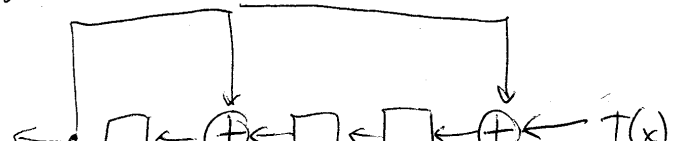


$\Rightarrow$ Error does not disappear! ✓

Division in Hardware

$g(x) = x^3 + x^2 + 1 = 1101$

$T(x) = 1100110$



	1	1	0	0110
1	0	0	1	110
10	0	1	1	10
100	1	1	1	0
1001	0	1	1	

$1100110 : 1101 = 1001$

-1101

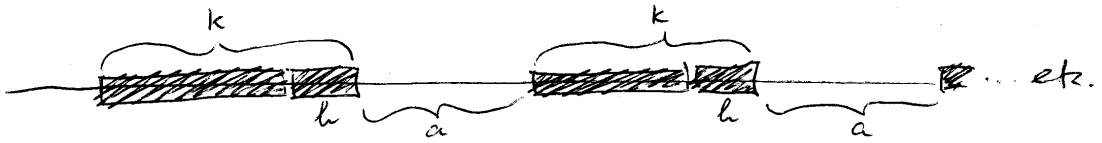
1110

-1101

11 Remainder

Fragmentation

[Most of it now on slides, except.]



# of transmission until successful

$$1 \cdot P + 2(1-P) \cdot P + 3(1-P)^2 P + \ldots$$

$$= P \sum_{i \geq 0} (i+1)(1-P)^i = P \cdot \frac{1}{P^2} = \frac{1}{P}$$