5.8.1, 5.8.2, 5.8.3, 5.8.4, 5.9.1, 5.9.3, 5.10.1, 5.10.4, - Chris Bero 5.11.1, 5.11.3, 5.12.2, 5.15.2 HW 7 CPE 431 MIBF = MITF + MITR Availability = (MITF + MITR) 5.8.1 MTTF= 3 Yr MTTR= 1 Day MTBF= 1096 days Availability = MTTF = 1095 = 1.001 5.8.2 1000 + 1000 5.8.3 As MTTR > Ø the Availability > 1. This can be regionable from the Viewpoint of RAID systems. As MTTR increases, availability diminishes. This directly indicates that a device with higher MITR has lower availability. 128-bit word, SEC/DED PZ log2 (P+d+1)

PZ log2 (P+d+1)

28 = 256 Z 137 5.9.1 8 parity bits SEC code, 8bit words / 4 parity Lits, have 0x375 5.9.3 0011 0111 01012 P1 P2 21 P3 22 23 24 P4 25 26 27 28 0 0 1 1 0 1 1 1 0 1 0

Parity: 1100, error in bit 12 - 18

Corrected data: 101101002

1987:
$$\frac{5000}{1000} = \frac{15,000}{15 \times 1000} = \frac{5000(15 \times 1000)}{15 \times 1000} = \frac{15,000}{15 \times 1000} = \frac{15,000}{15$$

$$\frac{1997: \quad 15}{125} = \frac{2000}{64x} \quad 15(64x) = 125(2000) \quad |x = 260|$$

$$2607: 0.05 = \frac{80}{16} 0.05(83x) = 16(80) / X = 308/$$

5.11.1	VP PP
	Valid Tag PP,
	1 0 5 1 8 D 1 3 6 1 12
q	4669 > 0x123D 0001 0010 0011 VPN: 1 Page Fault
	2227 = 0x8B3 1000 011 0011 VPN:0 Page table hit
Ч	13916 -> 0x366(0011/0110 0101 1100 VPN:3 TLB L;+
u ·	34587 7 0x871B . 1000/0111 6001 1011 VAN: 8 Page Fault
Ū	48870 -> 0x BEE6 1011/1110 1110 0110 VPN:11 Page table hit

	Valid	Physical Page
0	1	T 5
1	0	D
5	O	D
3	1	6
4	, particular de la constanta d	9
5]	
6	0	D
7)	7
S	0	D Statement
9	0	
10	Name of the last o	Section and the section of the secti
oranes (many		15

7 12608 - 0x 3/40 0011/0001 0100 0000

VAN: 3 TLB hit

1100

7 49225 7 0x C049 1100/0000 0100 1001 VpN:12 Invalid Page