5.3 Cache's capacity = 32.2 10 = 215 bytes One block = 2.23 = 24 bytes Number of blocks = 2" = 2"

Tag Num of Blacks byte offset

1 49 1 11 14 64 bits Total number of bits = (1+49+128) 2" = 178×2" 5.3.2 Cache's capacity = 64 21 = 216 bytes. One block = $2^4 \cdot 2^3 = 2^7$ bytes Number of blocks = $\frac{2^{16}}{17}$ = 29 Tag Num of Blaks bure offset
48 1 9 17 Total number of bits = (1+48+16×64).29 = 1073×29 How much bigger ? 1073 x 2 2 = 1.507 < 2