Steven Murr 3.3 REDOS

- 15) What is the largest n for which one can solve within one second a problem using an algorithm that requires f(n) bit operations, where each bit operation is carried out in 10^{-9} seconds, with these functions f(n)?
 - a) logn 2^{10^9}
 - b) *n* 10^{9}
 - 3.96 · 10^7 d) n^2 c) nlogn
 - $3.16\cdot 10^4$
 - e) 2^{n} 29
 - f) n! 12