1m 229 1700 7n (= C 1092 - 1092 K= 109 C 100 2n-ne-log com son & = log c 1.012.00 1.01-00 2 1.01-00 210gn

1.012.00 - 1.012 - 1.01 - 210gn Id. this is true 6/c the limit le, lim [n] 3 -7 2n -2 5 [logn] 2 -2 5 [logn] 2 27 logn. In = 24.55 = 48.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = 24.55 = It. This is true b/c the limit an is infinite.

1g. o(g(n)) = = f(n) (f(n) s c.g(n) Hn = n) w(g(n)) = 20(n) | 0(n) 2 c-g(n), th zn) f(n) < c.g(n) < q(n), since O(g(n)) < w(g(n)), the set is comply 26. The recursive function of the previous two fundrous.

For instance, b/k foo(2) = 1 and Foo (3)-12, Foo(4)= [+2=3, 60 (5) = 3+2=5, and so on.

36. Work-> O(n) Span > O(n)

3d. Work- 0(n) Span > 0(n)

3-e Work-10(n) 5pm->0(log(n))