Dong, Boyuun ID: 1547489

DATE / NO
WQ#6.
Proof: Given f, g, h, ne know that
I CI70, nien such that for any nzn, ne have fin) < (hin)
7670, NEW such that for any NZM2, we have gon) & Cahon)
Therefore, for any n > max [n, n,] both upper-bounds apply!
Which means that for any nz max (n, n) ne have that
fen)gen) = (c, hen) gen) = (c, hen) (c, hen)
$\leq (c_1 \cdot c_2) h(n) \cdot h(n) = (c_1 \cdot c_2) h(n)$
ten) gens 6 Ochen)
So, It's take, fin. gin & O(h(n))
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