1/m 10 = 0 1-20 900 + 20 HAlogn so: Dg E D(F) does not hold 9 € 0 (f) holds 360(f) holds 9 ESIGN does not he lds g E w (f) does not hold C) f(n) = n<sup>3</sup> g(n) = n log n

(rm log n = tim log n

n n dog n

mand alog n

mand alog n = Ism Togny = 0 efest(g) so, feg(g) does not to hob Low not hold fe O(g) holds. does not hald foots to lds 为 努 湯