15m 5n = 00 not < 00 n=00 m = 00 mot < 00 so € ge O(4) Ism 5n3 = D = 0 so g & o (f) does not lim so za which is zo. so g & SI (f) holds. lim 5n3 = 20 so g Ew(f) holds. b) fa)=9n0,8+2n +14 logn, g(n)=1n 15m fcn) 15m g(n) 8+ 2n0 5+14 logn so +60(3) does not hold extest(s) ofewig) holds feo(s) to the hold feo(3) does not hold