

(b) min (f (n), gins) = of(n) + g (n)) If pens = n, gins = n2, then min (ten), j(n)) is ghown as But of (n) +g (n)) = 0 (n+n2) = 0 (n) min(f(m), g(m)) = c. (ten) + g(m)) for n = N Now, It since ten, gen > 0 for all n i. flux + glux > flux)
plux + glux > glux and hence c. (ten + glus) > min (fen), glus) for all n Thus, min (f(n), g(n)) = 0 (fen) (g(n)) Hence (b) is true (c) Of fly = seggers 3 grass fen zegen nz N, & g(m) = 0 (fem) m gay & d few n ? N2 let d= 1/c and w, = N2 men Both equations are true, Hence (c) is torre