19)

91,92: IR-IR , m: 2 - 1/8+

show that h:2"- 1R; h(A) = Mn(g, (m(A), gz (n(A))

increases or decreases

We am then apply definition of consul CR

for a concre fautin g it then follows gcm(A): min(k, m(A)) = min(k,a),

and, min(ka) 2k for a non-devery further mea) = a Here 9,(a)-92(a) is minitanic.

Let BCACV and f is montanically increasing such that P(B) & F(B) & F(B)

If we claim f(*)-f(V(*) is monotoid incredy then

+(B)-f(V(B) & F(A)-f(V(A))

By definition of complement we know that f(V) mut be monitorically decrease if f(A) is nonitorially increasing a which implies

[f(V(B)) 2f(V(A))]

and since f(B) < f(A) subtracting a lager quantity f(VB) then f(VA) on left hand side, grayantees the inequality holds, and f(A)-f(VA) is availablely increasing, which imples h(A): min (f(A), f(VA)) is subnodular

1() f g f-g not g 2 1 monda.