T. Daneeta Reddy UAlbany ED: oo lual 692.

considering the simplere 9 7 H 8 C 6 3 b LCt x= {b} B= {c, b} P(x)=3, f(B)=6 f(B) > f(x) -) NO Exception But when x= {i} B= {c, b} FC)= 6, +(B)=6,11 11111 FIB) < F(x) => EXPECTION & F (Jaib, L3) >f(B) -> NO Expection : F ismorse Near B Let = [17 B= fari] f(x)=8, f(B)=9 f(B) & > f (x) -) NO Expection Similarly when a z { ay & B={a, c} f(x)=5, f(B)=9 f(B) >f(x) -) NO Expection BUT F(B) = 9 > f (Jabicy) = 7 + Exception Thereis only one Expertion; < 1911

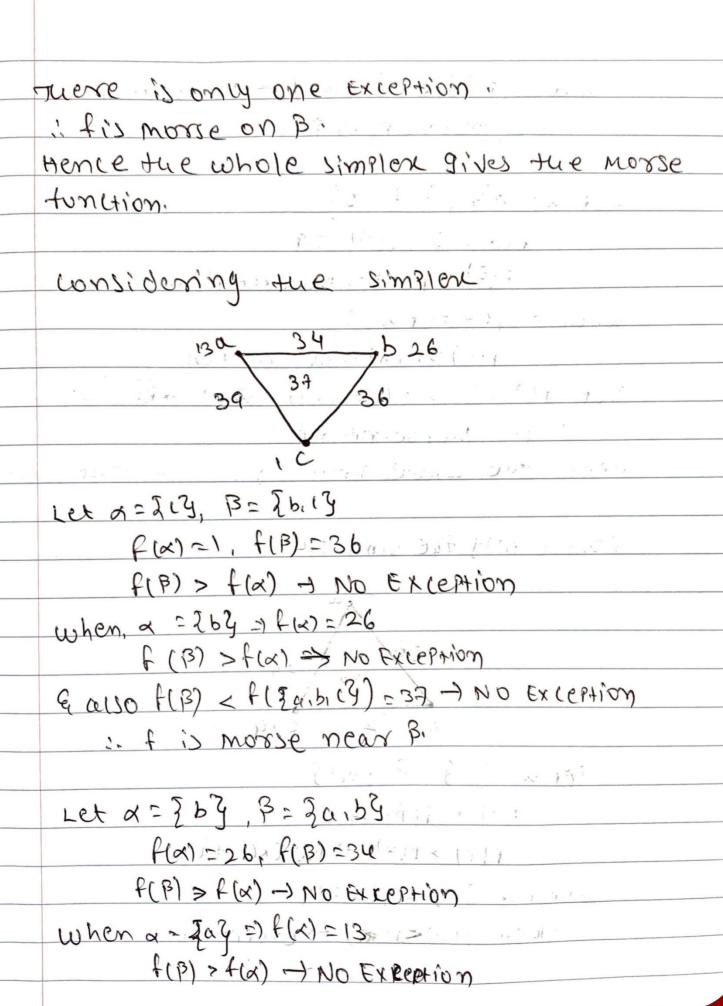
· fis morse near P. - service

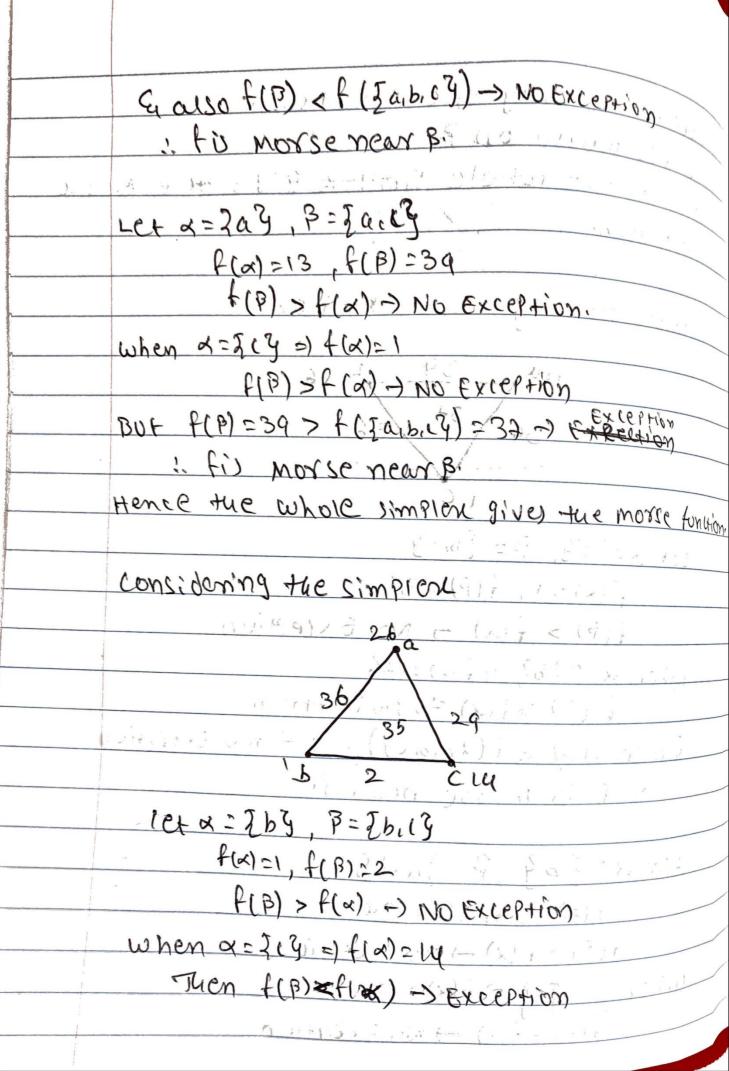
Let a = Tay B = {a,by f(2)=5, f(B)=4 f(x)>f(B) -> Exception But f(B) < f(a,b,c) -) NO Exception When a= [b], B= Jaib 3. f(x)=3, f(B)=u f(P) >f(x) -) NO Exception i. fis morre near B. Hence the whole simplest gives the model has considering the simplere Let <= { (3) 3[(, b] f(a)=3, f(B)=38 f(B) > f(a) + NO Exception Similary when = 268, B= [1,63 f(x)=13, f(B)=38 f(B) >f(a) -> NO Excertion But f(B) > f(zaib, c3) = 33 -> Exception

: fi) morse near B.

Let & 564, B= Jaiby f(x)=13, f(B)=32 F(B) > F(A) -> NO Exception Similarly when a = Jag BJaiby f(x)= 5, f(B)=32 FLP) > F(x) -) NO Exception Earso f(Faibirs) >f(B) -) NO Exception : fi) morse near & Let x= jay, B= Saily f(x)=5, f(B)=4 f(B) of (a) => Exception Similarly, when a= Iiy, B= Ja, b3 f(x)=3, f(B)=4 FIB)>f(x) -) NO Exception E also FIAD FLAX F (Ja, b, 13) - NO Exception : f is morse Near B. Hence the whole simplox gives the morse tunction. 100 5 33 , Fd 3 - x fg = consider the simpler 13 at 60 (2) 16 (4) 1. 40 a) (() () () () 192

Let a= {i3 B= jaic3! FW1=1, F(B)=39 F(B) > f(a) -) NO Exception when x= {a3 & B= {a,c3} f(a)=13,f(B)=39 F(B) > f(x) -> NO Exception Galso F(B) & f (Sarbies) -> No Exception : tis morre Near Br Plane is the Let $\alpha = \{a\}$, $\beta = \{a,b\}$ F(x)=13, f(B)=38 f(B)>f(x) -> NO EXCEPTION when, a = {by, }= [a,by] f(x)=3,f(B)=38 f(B) > f(x) -) NO Expections E F(B) > f ([a,b,c]) -) NO Expection : fis morse near 3. Let x= {b}, B= {b,e} f(x) = 3, f(B)=u f(B) >f(x) A) NO Exception when = 2 23, P= 36,13 f(B) > f(x) -) NO EXCERTION BUT F(13)= f(\(\frac{1}{2}\) = \(\frac{1}{2}\) = \(\frac{1}\) = \(\frac{1}{2}\) = \(





BUT F(B) < f (Jaibilg) = 35 -> NO Exception : fis morse near B. Let a = 2 (3, B = 2a, c3 fca)=14, f(B) =29 f(B) > f(x) -> NO Exception when a = {a} =) f(x) = 2611 f(B) > f(x) -> NO Exception Galso f(B) < f({a1b,13) -) NO Exception : fis morse near B. Let x={ay, 3=}a,b3 f(x)=26, f(B)=36 FLB) > f(x) -) NO Exception when x=3b3=) f(x):1 flb) > f(a) -> NO Exception := fis morse near B. But f(P) > f(Eu, b, cg) = 36 -> Exception : fis morse nears Hence the whole simplen gives the worse function

