Higher order test of maxima & minima How to test maxima & minima Esting bighte order derivatie O find planiners les wrigg bail equate fing =0 n= p, q, r. (1) fing f''(n)at  $x = p_{2,3}$  If f''(n) < 0 (paint of maxima) f''(n) > 0 (ount of minimal - E ( ( ) = f " ( n) = 0 find (p" on ) = If f" = = = = = = of inflampon  $If f^{[1]}(n) = 0 \quad find f^{(v)}(n),$ (1) If p''(x) <0 NO pertur of imaxima) **Preview** det 2 20 A odint of minimary preview page 4 odint of minimary f''(x) =0 find (n) 0 + (x) 11/2: moinstant jo maiog If the operation order derivate is - NE it is manine if it is the it is menine provided the odd order before the even order chould be zero 97 Ex 02+ prod- Fixer a (m) 1 7 2019 animor to tring i it

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