

and tony warrent with execution RHS BV Ratio 563 5, 52 MUY 1002 21 0 2 0 0 RO: 1,00 S1=4 4/1 (R): 1 52=5 none 0 1 5 R2! Initial opt bouic feasible solution is, SI=4, S2=5, and Z=0, and x=x2=320 (B.V. =Boute variables) (nonbuz =NBV) Now analyzing the tableary, we see that so non-busic variable has the minimum value Cie. max m regative) value): . It becomes entering beinable 1. looking at pivot column and having ratio test we get & that so has censt gatio and It becomes the leaving variable. -> Dividing and updating one column for identity matrix we get following table: 5 RHS DC1 1 D12 (X3) 2 S1 BV Routio 2 00 -3 2R1+R0+P0: 11116 R-) R1: 22 0 none 0 -AC-4) Ritke + RZ 52 nane 0 -) Now, we have one column with all noon non-porither elements 1. It sussest unbounded feasible regionnow, choosing most regative coefficient to enter the busis, here, as would be our entering variable 0 -> However, we can't determine the leaving your able because the elements of the pivot column are our non-positive . No results in ratio test. And. > : Folution is unbounded.