cero grade and a disceptioning investation. Foccept all rules and resolution in this exam will result in a I give permission for my processing of my personal data as statul in the claritions was promited on the fourth out Environmy website Bedirhm Southon Kollysop wild West produces two types of comboy hots. A type I hot requires times times as much lobor time as a type 2. If the all avoilable labor me is dedicated to type 2 alone, the componer con produce a total of 450 Type 2 hots a doz, the morted limits for the two types one 100 and 300 hats per dos for type I and type 2 respectively. The profit is I dollar per type but and 5 dollar per type 2 hot. Determine the number hats at each type that would make inspec Protity I, Build netherestibly model , solve graphidly Desicion worldke objective function XI = Aumber of type I hots Z=8X1+5X2 X2 = number of type 2 constrains 3 X1+ X2 < 450 X1 <100 X2 <300 X1, X2 7 0 3x1+ X2 = 450; X1=0 1 X 2= 20 X1=10 / X5=D -50 K = 100 K 100 .0 30 1. Kab - 5. 05 = 150 200 150 100 50

450

3ú 0

210 300

50

100

200