I am aware that any forms of cheeting in this exam will result in a zero grade and a disciplinary investigation I accept all rules and regulations regarding online exams. I give permission for the processing of my personal data as stated in the Clarification Text provided on the Faculty of Engineering website.

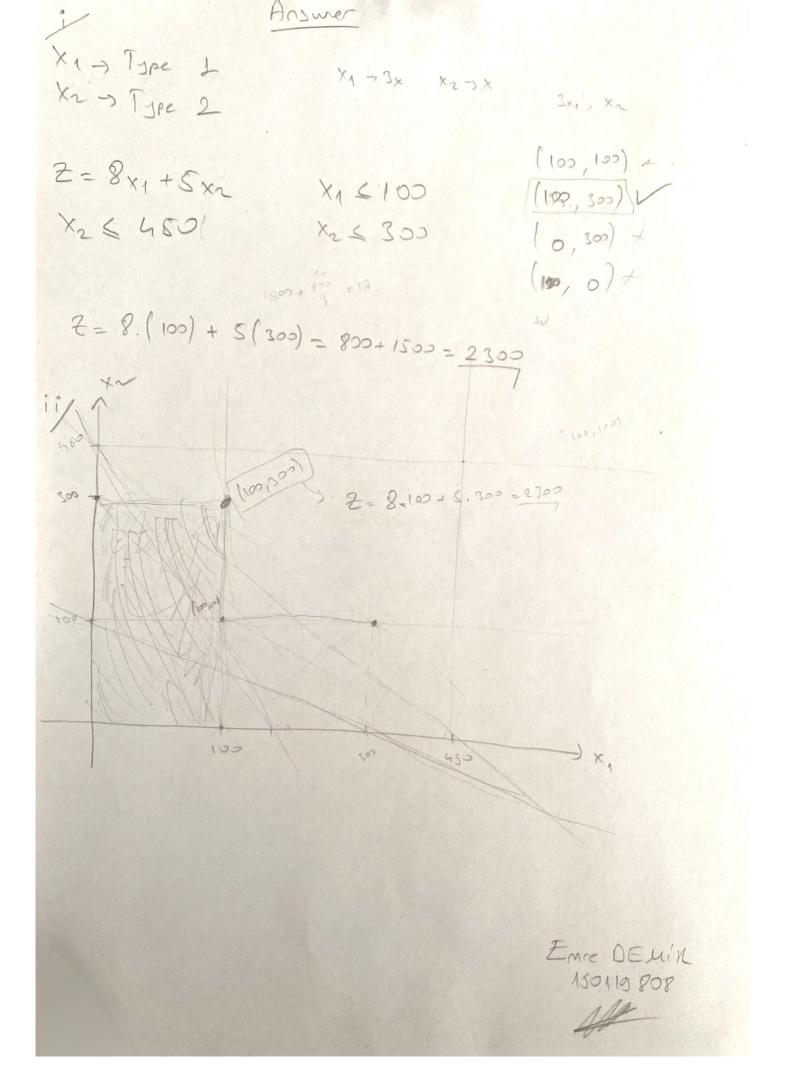
Overtion 1

Emre DEMIN 150 119 808

will west produces two types of comboy hots. A type I hat requires three times as much digher time as a type 2. If the all avaible labor time is dedicated to Type 2 alone, the company can produce a total of 450 Type 2 hats a day The market limits for the two types are 100 and 300 hets per dos for Type 1 and Type 2, respectively the protit is 18 per Type 1 and 15 per Type 2 hot. Determine the number of hats of each type that would maximize profit

i. Build the mathematical model of the problem ii. Solve the problem graphically.

X, X2 BYI = XZ X2 5 450 Z- 8x1 +5x2



Scanned with CamScanner