I an owner that any forms of aneating in this exam will result in sever grower and a distoplinary uncestigation. I accept all sules and regulations beganing alone exams. I give perhasion for the processing of my personal data as stated on the Claupication Text provided on the Foculty of Engineering website.

aulsin En GUNAY

DI) wild west produces two types of hots. A type 1 hot requires three times a much lobor time os a type D. If the out overlooke lobor time is dedicated to type 2 olare, the company ca produce a total of 450 Type 2 hots a day. The moreot limits of the two types are 100 and 300 hots per day for type 1 and 7 respectively. The profit \$8 per type 1 and \$5 per type 2. Defence the num of hots of each type that would now. prefit.

i) Build noth noder of the proba

GUBUM ECO GUNAY 150121539

XI= Type 1, X2 = Type 2

constraints;

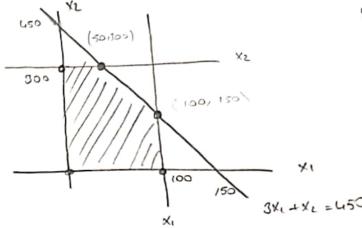
3×1+ ×2 € 450 } Type 1 requires 3 times as mich lober

X1 ≤ 100 } wast 100 gpa 1

X2 = 300 ? Unit 300 @pe 2.

objective;

MOX &= 8X1 +5X2.



points:

(2)

(0,300) -> 2= 8(0)+5.(00)=1500

(50,300) -> 2 = 8(50)+5(300)= 1900

(100,0) === 8(100)=800

(100,150) == 8(100)+5(150)=1550

5) (010) 3 2=0.

50, to moximore the profit, There most be 50 number of Type I not end 300 number of Type 2 hot. Profit will be 1900.