I an aware that any forms of cheeping in this exam will result in a zero grade and a disciplinary investigation. located all rules and regulations regarding anlive exams I give permission for the processing of my personal data as stated in the clarification text praided on the faculty of engineering website.

Götberk toksay

150119069

O Wild west produces two types of courboy hots. Type 1 hat requires three times labor time than type 2. If all time is dedicated to type 2. They would produce 450 type 2 hats. Mothet limits 100 and 300 profit for each \$8 and \$5.

Moximize profil [P=8x+5y]

X:# of Type 1 produced
5:# of Type 2 produced

X ≤ 100 Y ≤ 300 x +4 ≤ 450 Type 2 requires Thous.
Type 1 requires 3Thours.

3× +4 < 450

Available time is 450 T.

×,4>0

X.31+41 (4507

(100,150)

7(50,300)

 $60 \quad |500 \rangle = |600 \quad |500 \rangle = |600 \rangle$

50 type 1
300 type 2 hots maximize the profit
\$1900