I am aware that any torms of cheating in this exam will result in a zero grade and a disciplinary investigation. Laccept 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.

Ahmet Kerem Akpinor

Hode

1) Wild west produces two types of comboy hots. A type I hot requires

3 times as much labor time as type 2. If the all available labor time is

dedicated to type 2, the company can produce a total of uso type 2 hot aday.

The market limits for two types 100 and 300 the profit is \$8 per type 1

T. Build math model of the problem.

Ti. Solve graphically.

i. onswer)

of type 2 = x =

8

8x1+5x2 = Profit (tomoximize)

3x1+x2 6450

X1 5 100

x2 < 300

X1, 12), 0



X16100 X26300 3x1+ X26450

X1, X2 >,0

