A am aware that any forms of chesting inthis exam will result in a zerograde and a disciplinary investigation. I occept all rules and regulations reporting online exams. I give Purmission for the processing of my personal data as stoted in the Clorification Text Provided on the foculty of Engineering website.

a-) wild west produces two types of comboy hots. A type I hot requires three times as much later time as a type 2. If the all ovoicible labor time is dedicated to type 2 alone, the company con produce a total of 450 Type 2 hats a day, the market limits for the two types are 100 and 300 hats per day for Type 1 and Type 2, respectively. The profit is \$8 per type I hat ord \$5 per type 2 hat. Determine the number of hats of each type that would maximize profit

i -) Build the mothernotical model of the problem

Melis arpos 150119669



