Engi EREN 150119545

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Q.1)

Wild west produces two types of owboy hats. A type 1 hat requires three times as much labor time as a type 2. If the all available 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 100 hats per day for Type 1 and Type 2, respectively. The profit is \$8 per Type 1 hat ad \$9 per Type 2 hat. Determe the number of into of each type that would maximize profit.

i. Build the nathercitical model of the problem.

