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Eğilim

1. Wild west produces two types of cowboy hats. A type 1 hat requires three times as much labor time as a type 2. If the all available labor time dedicated to type 2 alone, the company can produce a total of 450 Type 2 hats a day. The market limits for the types are 100 and 200 hats per day for Type 1 and Type 2 respectively. The profit is \$8 per Type 1 hat and \$5 per Type 2 hat. Determine the number of hats of each type that would maximize profit.

type 1 = 3. type 2

1) let's say  $x$  is type 1 and  $y$  is type 2

450T

$$3xT + yT \leq 450T$$

$$3x + y \leq 100$$

$$y \leq 200$$

$$2x + y = 450$$

$$8(100) + 5(200)$$

$$800 + 1000 = 1800$$

$$1900$$

2)

100

