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1. Wild West produces two types of comboy hols. A type 1 hot requires three times as nuch labor time as a type 2, IF the all available labor time is dedicated to type 2 alone, the company con produce a total of 450 Type 2 hels a day. The market limits for two types are 100 and 200, hols per day. The profit is \$8 Type 1 and \$5 Type 2. Determine the number of hels of each type that would maximize profit

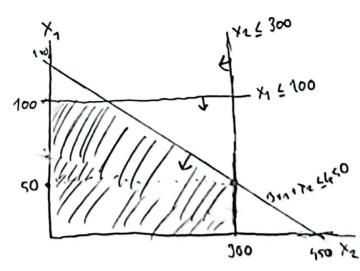
i. Build the methemotical model of the problem ii. Solve the problem graphically

X₁ ≤ 100

×2 ≤ 300

×1, 1220

maxime Formula 2: 8 x1+ 5 x2



Let x1 = 50, x2 = 300

Z= 8×50 + 5 × 300 = 400 + 100 = 1900 \$ profit
Oplinal solution