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1-) Wold West produces two types of comboy hats. Type 1 requires three times 25 much labor 19me as a type 2. All labor 19me is type 2. 450 per day The market limits for the two types are 100 and 300 hats per day for Type I and Type 2. Prafit is 18 Type 1 and 15 Type 2. Deformine the number of hols of each type that would maximize protect

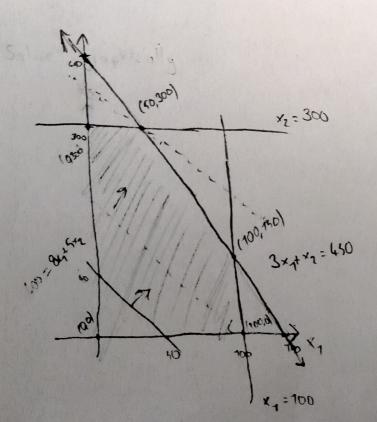
a) build natherical model for problem X, -> Type of count Type 2 + T labor Type y +3T labox

4 + Type 2 count

oby func + maximize; 2 = 8x1+5x2

b) Solve graphically

3×1 + ×2 = 450	constrains
X1 2100	}
×2 £300	



×1	72	brotist (parters)
5	0	0
0	300	1600
50	300	1900 (Nox)
100	150	1650
100	0	800

x4.37 + 72. T = 450T

Answer x1 =50. Type 1 *2 = 300 Tope 2