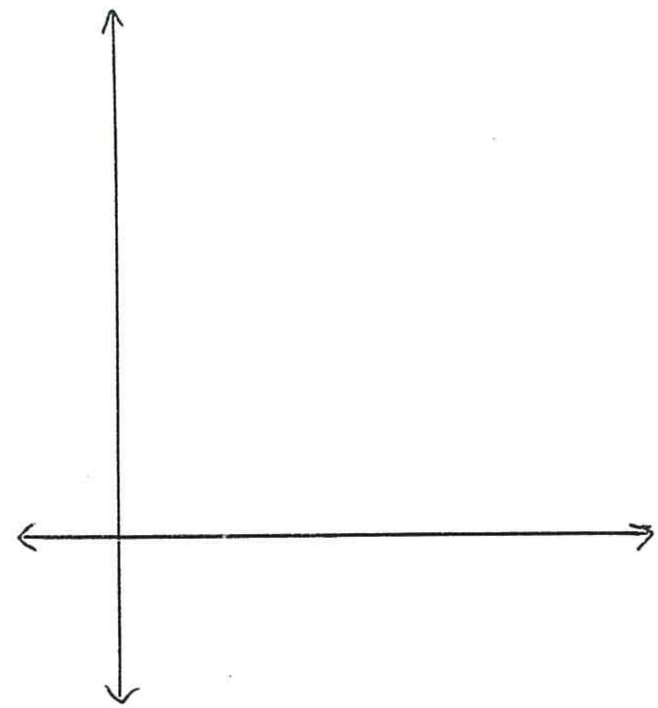
Nuts Galore!

Suppose you are selling cases of mixed nuts and roasted peanuts.
You can order no more than a total of 500 cans and spend no more that $600.
Mixed nuts have 12 cans per case, you pay $24 per case, and you earn an $18 profit if you sell all the cans in a case.
Peanuts have 20 cans per case, cost $15 per case, and you earn $15 profit if you sell all the cans in a case.
How many cases should you purchase of each type to maximize your profit?
What is the maximum profit?

Organize information in a table:



Objective Function

	x	y	

Answer: