Farmer Fred sells small containers of his blueberries and raspberries at the farmers' market. He has gathered the following information about the number of each he sells per day:

- At most twice as many blueberries as raspberries. -
- A minimum of 200, but not more than 500 raspberries.
- At least 300 blueberries.
- At most 1200 containers of berries.

$$
\begin{aligned}
& x \leq 2 y \\
& y \geq 200 \quad y \leq 500 \\
& x \geq 300 \\
& x+y \leq 1200
\end{aligned}
$$

His costs associated with producing are $\$ 0.85$ per container of blueberries and $\$ 0.95$ per container of raspberries. He sells the blueberries for $\$ 3.00$ each and the raspberries for $\$ 350$ each. How many of each does Fred need to sell in order to make the greatest profit ?

 $\begin{array}{ll}x \geq 0 & Q y \geq 200 \\ y \geq 0 & \text { (2) } y \leq 500\end{array}$
(3) horizontal $x \geq 300$ vertical



Fred must sell 700 containers of Burberries \& 500 containers 0) Raspberries

