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Periodo x	Demanda y	x <sup>2</sup>	y <sup>2</sup>	x, y
1	400	1	160,000	400
2	450	4	202,500	900
3	600	9	360,000	1,800
4	680	16	462,400	2,720
5	780	25	608,400	3,900
Σ 15	2910	55	1,743,300	9,720

$$b = \frac{(5)(9720) - (15)(2910)}{(5)(55) - (15)^2}$$

$$b = \frac{48,600 - 43,650}{275 - 225}$$

$$b = \frac{4950}{50}$$

$$b = 99$$

$$a = \frac{(2910) - (99)(15)}{(5)}$$

$$a = \frac{2910 - 1485}{5}$$

$$a = \frac{1425}{5}$$

$$a = 285$$

$$y = a + b \cdot x$$

$$y(6) = 285 + 99(6)$$

$$y(6) = 879$$

$$y(15) = 285 + 99(5)$$

$$y(15) = 780$$

$$y(15) = 780$$