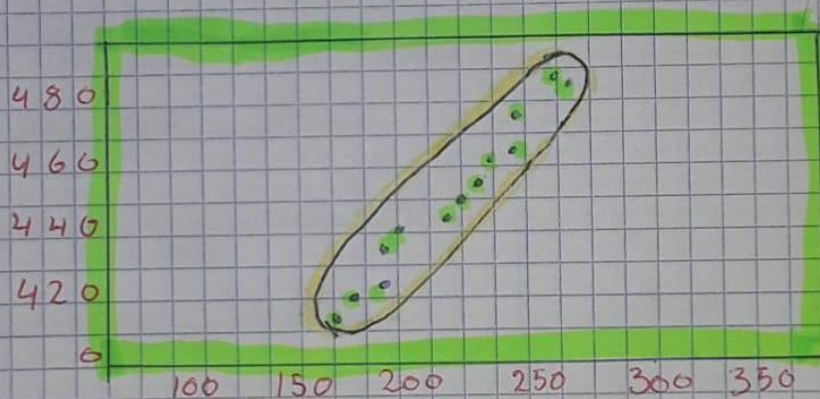


Nombre: Luis Fernando Alva Sanchez 5to Admon Tarea # 8

Luis Alva 5to Admon Tarea #8

X	Y	Y ²	X ²	XY
189	402	161,604	35,721	75,978
190	404	163,216	36,100	76,760
208	412	169,744	43,264	85,696
227	425	180,625	51,329	96,475
239	429	184,041	57,121	102,531
252	436	190,096	63,504	109,872
257	440	193,600	66,049	113,080
274	447	199,809	75,076	122,478
293	458	209,764	83,849	134,194
308	469	219,961	94,864	144,452
316	469	219,961	99,856	148,204
2753	4791	269,2421	768933	1209720



$$n = \frac{11 \cdot 1,209,720 - 2753 \cdot 4,791}{\sqrt{(11 \cdot 708,933 - 2753^2)(11 \cdot 2092,421 - 4 \cdot 791^2)}}$$

$$n = \frac{13 \cdot 306,920 - 13 \cdot 189,623}{\sqrt{(7,798,263 - 7,379,009)(23,016,631 - 22,953,681)}}$$

$$n = \frac{117,297}{\sqrt{(219,254)(62,950)}}$$

$$n = \frac{117,297}{\sqrt{13,802,039,300}}$$

$$n = \frac{117,297}{117,482,08} = 0.99 = 1 \text{ Correlación positiva excelente.}$$

$$a = \frac{708,933 \cdot 4,791 - 2753 \cdot 1,209,720}{11 \cdot 708,933 - 2753^2}$$

$$a = \frac{3,396,498,063 - 3,330,359,160}{7,798,263 - 7,579,009}$$

$$a = \frac{66,138,843}{219,254} = 301.65$$

$$b = \frac{11 \cdot 1,209,720 - 2753 \cdot 4,791}{219,254}$$

$$b = \frac{13,306,920 - 13,189,623}{219,254}$$

$$b = \frac{117,297}{219,254} = 0.53$$

$$y = 301.65 + 0.53(325) = 473.87$$

R// La producción para la venta de la compañía fue de 473.87.

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