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UTS - Statistik Lanjut

2.

Mahasiswa	Nilai Statistik (x)	Nilai kalkulus (y)	Σx^2	Σy^2	xy
A	90	80	8.100	6.400	7.200
B	87	79	7.569	6.241	6.873
C	89	86	7.921	7.396	7.654
D	83	83	6.889	6.889	6.889
E	84	76	7.056	5.776	6.384
F	75	65	5.625	4.225	4.875
G	78	68	6.084	4.624	5.304
H	85	81	7.225	6.561	6.885
I	82	70	6.724	4.900	5.740
J	81	75	6.561	5.625	6.075
Σ n= 10	834	763	69.754	58.637	63.879

$$a = \frac{763 . 69.754 - 834 . 63.879}{10 . 69.754 - (834)^2}$$

$$= \frac{-52.784}{1.984}$$

$$= -26,6$$

$$b = \frac{10 . 63.879 - 834 . 763}{10 . 69.754 - (834)^2}$$

$$= \frac{2.448}{1.984}$$

$$= 1,23$$

$$Y = -26,6 + 1,23 x \quad //$$