Коэффициент Фехнера

Определить коэффициент корреляции знаков для переменных X и Y. [1]

Задача 49.1. *Азин Андрей*
$X = [0.71, 8, 9, 10, 13, 5, 5, 5, 10, -0.29]$
$Y = [6, 13, 14, 18, 6, 8, 6, 6, 1, 5]$

Задача 49.2. *Арефин Максим*
$X = [1, 9, 7, 6, 13, 8, 5, 5, 12, 0]$
$Y = [9, 12, 9, 14, 16, 9, 6, 6, 7, 8]$

Задача 49.3. *Булгакова Анна*
$X = [1, 14, 13, 10, 9, 9, 5, 5, 14, 0]$
$Y = [1, 16, 14, 16, 17, 9, 6, 6, 5, 0]$

Задача 49.4. *Быкова Евгения*
$X = [1.43, 8, 15, 12, 10, 9, 5, 5, 11, 0.43]$
$Y = [11, 20, 12, 13, 16, 9, 6, 6, 2, 10]$

Задача 49.5. *Викторов Александр*
$X = [0.43, 7, 10, 12, 10, 9, 5, 5, 12, -0.57]$
$Y = [15, 17, 19, 12, 11, 8, 6, 6, 1, 14]$

Задача 49.6. *Вольнов Кирилл*
$X = [0.57, 7, 13, 8, 6, 10, 5, 5, 12, -0.43]$
$Y = [15, 17, 15, 10, 14, 7, 6, 6, 6, 14]$

Задача 49.7. *Гречко Даниил*
$X = [0.14, 15, 8, 10, 16, 12, 5, 5, 14, -0.86]$
$Y = [2, 6, 15, 19, 18, 8, 6, 6, 6, 1]$

Задача 49.8. *Ермаков Данила*
$X = [0.86, 12, 12, 11, 14, 12, 5, 5, 12, -0.14]$
$Y = [9, 17, 17, 21, 21, 9, 6, 6, 6, 8]$

Задача 49.9. *Захаренков Иван*
$X = [0.29, 9, 14, 9, 9, 9, 5, 5, 12, -0.71]$
$Y = [5, 15, 9, 14, 14, 8, 6, 6, 4, 4]$

Задача 49.10. *Малагин Даниил*
$X = [1.29, 11, 8, 12, 14, 5, 5, 5, 10, 0.29]$
$Y = [10, 11, 12, 20, 7, 6, 6, 6, 5, 9]$

Задача 49.11. *Мартынов Антон*
$X = [0.86, 8, 9, 8, 12, 9, 5, 5, 12, -0.14]$
$Y = [1, 13, 11, 11, 11, 8, 6, 6, 2, 0]$

Задача 49.12. *Махмутов Валентин*
$X = [0.86, 15, 10, 15, 13, 8, 5, 5, 13, -0.14]$
$Y = [14, 15, 18, 11, 12, 8, 6, 6, 3, 13]$

Задача 49.13. *Мелешко Павел*
$X = [1, 16, 10, 10, 5, 9, 5, 5, 10, 0]$
$Y = [11, 10, 13, 6, 16, 7, 6, 6, 2, 10]$

Задача 49.14. *Мохамед Али*
$X = [0.29, 11, 13, 14, 8, 5, 5, 5, 12, -0.71]$
$Y = [9, 17, 21, 9, 6, 8, 6, 6, 2, 8]$

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[1]Просветов Г.И. Теор.вер. и мат. ст. М.:2015. с. 217.

Задача 49.15. *Сионов Павел*
$X = [0.43, 10, 12, 7, 11, 8, 5, 5, 11, -0.57]$
$Y = [9, 15, 8, 14, 14, 9, 6, 6, 6, 8]$

Задача 49.16. *Соколов Константин*
$X = [0.86, 8, 12, 15, 11, 12, 5, 5, 14, -0.14]$
$Y = [15, 10, 18, 17, 21, 9, 6, 6, 6, 14]$

Задача 49.17. *Хохлов Александр*
$X = [1.43, 15, 10, 8, 9, 9, 5, 5, 10, 0.43]$
$Y = [6, 16, 7, 10, 14, 9, 6, 6, 2, 5]$

Задача 49.18. *Новиков Станислав*
$X = [0.57, 11, 13, 8, 15, 9, 5, 5, 10, -0.43]$
$Y = [5, 19, 12, 18, 11, 8, 6, 6, 2, 4]$