

For example, the square matrix *arr* is shown below:

The left-to-right diagonal = $1 + 5 + 9 = 15$. The right to left diagonal = $3 + 5 + 9 = 17$. Their absolute difference is $|15 - 17| = 2$.

https://www.hackerrank.com/challenges/one-week-preparation-kit-diagonal-difference/problem?isFullScreen=true&hl=interview&playlist_slugs%5B%... 1/2

Explanation

The primary diagonal is:

11
5
-12

Sum across the primary diagonal: $11 + 5 - 12 = 4$

The secondary diagonal is:

4
5
10

Sum across the secondary diagonal: $4 + 5 + 10 = 19$

Difference: $|4 - 19| = 15$

Note: $|x|$ is the absolute value of x