



Exercise 1

- ✎ After initializing 5x5 2D array with 25 numbers at random
- ✎ Find the absolute value of the difference between the element and its adjacent element for each of the 25 elements.
- ✎ For example, as shown in the figure below, the adjacent values of 7 are 2, 6, 8 and 12 and the sum of absolute differences is 12.

✓ $|2 - 7| + |6 - 7| + |8 - 7| + |12 - 7| = 12$

...	2	...
6	7	8
...	12	...

- ✎ Examine all 25 elements and find the sum.
 - ✎ Please note that elements on the wall may not have adjacent elements.
- ✓ For example, [0][0] have 2 adjacent elements.