inimum

bsolute

ifference

in an arry-

Integers: [a, a, ..., an]
abs dift = |a; -a; |

find the minimum absolute difference between a pair of integers.

. 2 4 N 4 10⁸

EX1.

[0, 5-, 2]

min dift = 3

Ex Z.

[-59, -36, -13, 1, -53, -92, -2, -96, -54, 75]min diff = (-53, -54)

Check diff for each digit?

Ex 1: [0,10,3] for 3
[10,0,7] for -7

[3,7,0] tor 0

-> When [3,-7] has been checked as well.

While loop + list comprehension:
runs in O(n2)

Can sorting help?

.sort() runs in O(n lagn)

Ex1: [-7,0,3] if sorted => [7,10] [3]