initial:

Printing

[0] = 13

[1] = 16

[2] = 27

[3] = 25

[4] = 23

[5] = 12

[6] = 9

[7] = 1

[8] = 2

[9] = 7

[10] = 20

[11] = 19

[12] = 0

[13] = 6

[14] = 22

[15] = 11

[16] = 8

[17] = 29

[18] = 18

[19] = 3

[20] = 21

[21] = 14

[22] = 5

[23] = 26

[24] = 15

[25] = 17

[26] = 24

[27] = 10

[28] = 28

[29] = 4

elapsed time: 23 us

sorted:

Printing

[0] = 0

[1] = 1

[2] = 2

[3] = 3

[4] = 4

[5] = 5

[6] = 6

[7] = 7

[8] = 8

[9] = 9

[10] = 10

[11] = 11

[12] = 12

[13] = 13

[14] = 14

[15] = 15

[16] = 16

[17] = 17

[18] = 18

[19] = 19

[20] = 20

[21] = 21

[22] = 22

[23] = 23

[24] = 24

[25] = 25

[26] = 26

[27] = 27

[28] = 28

[29] = 29