Enter Input Number:0

+----------+----------+

| Pre | Pro |

+----------+----------+

| [18, 33] | [8, 13] |

| [13, 8] | [8, 7] |

| [8, 7] | [16, 12] |

| [26, 17] | [31, 10] |

| [4, 23] | [20, 21] |

| [35, 25] | [1, 9] |

| [27, 21] | [26, 18] |

| [33, 21] | [31, 23] |

| [9, 28] | [3, 14] |

| [9, 32] | [25, 7] |

| [12, 28] | [17, 16] |

| [2, 8] | [0, 33] |

| [8, 0] | [33, 15] |

| [4, 33] | [31, 26] |

| [7, 36] | [2, 13] |

| [22, 10] | [5, 18] |

+----------+----------+

Enter Input Number:1

+----------+----------+

| Pre | Pro |

+----------+----------+

| [25, 0] | [9, 4] |

| [6, 33] | [10, 20] |

| [27, 31] | [13, 16] |

| [33, 4] | [33, 20] |

| [19, 20] | [11, 20] |

| [30, 33] | [33, 27] |

| [4, 18] | [15, 35] |

| [31, 7] | [17, 9] |

| [32, 11] | [29, 17] |

+----------+----------+

Enter Input Number:2

+----------+----------+

| Pre | Pro |

+----------+----------+

| [17, 3] | [18, 5] |

| [34, 34] | [6, 17] |

| [20, 36] | [24, 14] |

| [31, 23] | [9, 10] |

| [19, 28] | [29, 14] |

| [9, 31] | [8, 0] |

| [15, 35] | [29, 3] |

| [21, 6] | [4, 7] |

| [36, 0] | [13, 11] |

| [31, 18] | [25, 22] |

| [7, 17] | [9, 32] |

| [12, 7] | [15, 16] |

+----------+----------+

Enter Input Number:3

+----------+----------+

| Pre | Pro |

+----------+----------+

| [29, 33] | [18, 33] |

| [12, 25] | [10, 13] |

| [10, 21] | [23, 25] |

| [30, 17] | [2, 18] |

| [28, 13] | [27, 8] |

| [10, 23] | [33, 29] |

| [28, 0] | [14, 33] |

| [19, 20] | [13, 9] |

| [2, 29] | [15, 10] |

| [16, 19] | [25, 16] |

| [25, 26] | [33, 20] |

| [32, 24] | [20, 25] |

+----------+----------+

Enter Input Number:4

+----------+----------+

| Pre | Pro |

+----------+----------+

| [16, 13] | [30, 34] |

| [15, 23] | [7, 24] |

| [7, 24] | [11, 12] |

| [8, 17] | [26, 17] |

| [17, 5] | [27, 7] |

| [19, 18] | [36, 4] |

| [4, 36] | [23, 0] |

| [18, 5] | [31, 4] |

| [4, 31] | [34, 8] |

| [1, 9] | [27, 33] |

| [36, 33] | [4, 10] |

| [33, 4] | [10, 13] |

| [28, 33] | [1, 33] |

| [23, 8] | [32, 4] |

| [4, 32] | [19, 23] |

| [19, 7] | [18, 1] |

| [18, 35] | [34, 23] |

| [31, 34] | [33, 0] |

| [15, 15] | [11, 7] |

| [6, 2] | [7, 36] |

| [6, 10] | [25, 7] |

| [28, 36] | [22, 8] |

| [36, 28] | [18, 26] |

+----------+----------+

Enter Input Number:5

+----------+----------+

| Pre | Pro |

+----------+----------+

| [10, 32] | [35, 5] |

| [5, 35] | [15, 22] |

| [13, 17] | [4, 27] |

| [2, 18] | [4, 31] |

| [28, 20] | [25, 6] |

| [31, 19] | [18, 7] |

| [20, 36] | [26, 26] |

| [20, 15] | [24, 34] |

| [32, 32] | [19, 20] |

| [26, 26] | [33, 22] |

| [28, 21] | [11, 16] |

| [10, 0] | [18, 34] |

| [20, 31] | [19, 29] |

| [34, 7] | [28, 36] |

+----------+----------+

Enter Input Number:6

+----------+----------+

| Pre | Pro |

+----------+----------+

| [5, 25] | [35, 28] |

| [34, 2] | [17, 12] |

| [17, 12] | [33, 1] |

| [26, 27] | [6, 8] |

| [27, 6] | [8, 22] |

| [11, 20] | [8, 12] |

| [33, 11] | [18, 16] |

| [7, 26] | [17, 18] |

| [24, 35] | [32, 31] |

| [12, 27] | [22, 26] |

| [12, 21] | [2, 4] |

| [19, 29] | [10, 4] |

| [16, 12] | [36, 28] |

+----------+----------+

Enter Input Number:7

+----------+----------+

| Pre | Pro |

+----------+----------+

| [0, 8] | [0, 16] |

| [23, 4] | [24, 4] |

| [22, 29] | [29, 26] |

| [4, 27] | [36, 19] |

| [5, 18] | [32, 21] |

| [24, 33] | [26, 35] |

| [31, 15] | [10, 34] |

| [0, 25] | [32, 36] |

| [10, 19] | [4, 18] |

| [23, 27] | [26, 6] |

| [32, 31] | [1, 17] |

| [9, 20] | [10, 29] |

| [36, 21] | [13, 34] |

| [4, 11] | [30, 25] |

| [15, 27] | [21, 12] |

| [2, 4] | [36, 0] |

| [4, 25] | [17, 2] |

| [20, 34] | [5, 28] |

| [30, 12] | [2, 15] |

+----------+----------+

Enter Input Number:8

+----------+----------+

| Pre | Pro |

+----------+----------+

| [33, 0] | [13, 8] |

| [8, 13] | [0, 8] |

| [8, 0] | [7, 0] |

| [29, 26] | [26, 21] |

| [26, 21] | [17, 4] |

| [4, 34] | [11, 28] |

| [3, 27] | [15, 31] |

| [6, 6] | [22, 30] |

| [20, 31] | [20, 36] |

| [35, 23] | [4, 32] |

| [20, 6] | [12, 28] |

| [31, 2] | [0, 0] |

| [10, 29] | [12, 26] |

| [4, 22] | [29, 10] |

+----------+----------+

Enter Input Number:9

+----------+----------+

| Pre | Pro |

+----------+----------+

| [0, 1] | [4, 27] |

| [23, 2] | [10, 23] |

| [33, 29] | [10, 19] |

| [10, 11] | [25, 30] |

| [34, 34] | [28, 0] |

| [3, 13] | [32, 0] |

| [16, 14] | [31, 2] |

| [29, 26] | [21, 18] |

| [1, 17] | [25, 26] |

| [26, 23] | [9, 20] |

| [23, 9] | [20, 7] |

| [30, 15] | [14, 13] |

| [17, 2] | [32, 22] |

+----------+----------+

Enter Input Number:10

+----------+----------+

| Pre | Pro |

+----------+----------+

| [25, 3] | [13, 20] |

| [12, 20] | [32, 5] |

| [0, 31] | [21, 3] |

| [33, 1] | [20, 36] |

| [4, 4] | [13, 19] |

| [13, 16] | [30, 22] |

| [2, 9] | [23, 3] |

| [29, 9] | [19, 20] |

| [12, 28] | [11, 9] |

| [15, 7] | [34, 36] |

| [33, 15] | [19, 7] |

| [3, 15] | [33, 30] |

| [20, 7] | [29, 8] |

| [14, 21] | [30, 23] |

| [25, 22] | [0, 5] |

| [29, 6] | [4, 25] |

| [8, 29] | [33, 34] |

+----------+----------+

Enter Input Number:11

+----------+----------+

| Pre | Pro |

+----------+----------+

| [24, 4] | [12, 20] |

| [34, 8] | [28, 14] |

| [25, 27] | [13, 17] |

| [22, 30] | [27, 18] |

| [30, 22] | [28, 33] |

| [20, 1] | [20, 6] |

| [28, 10] | [9, 25] |

| [33, 33] | [6, 18] |

| [17, 24] | [18, 26] |

| [15, 4] | [7, 30] |

| [2, 13] | [14, 26] |

| [16, 17] | [35, 26] |

| [21, 5] | [16, 31] |

| [16, 32] | [1, 29] |

| [17, 18] | [21] |

+----------+----------+

Enter Input Number:12

+----------+----------+

| Pre | Pro |

+----------+----------+

| [0, 16] | [25, 3] |

| [20, 32] | [34, 16] |

| [4, 11] | [20, 10] |

| [6, 17] | [6, 33] |

| [14, 21] | [13, 35] |

| [6, 8] | [28, 10] |

| [28, 16] | [28, 0] |

| [29, 8] | [26, 26] |

| [7, 21] | [27, 6] |

| [27, 32] | [21, 6] |

| [14, 26] | [29, 16] |

| [20, 25] | [15, 15] |

| [34, 30] | [7, 2] |

| [15, 16] | [6, 36] |

+----------+----------+

Enter Input Number:13

+----------+----------+

| Pre | Pro |

+----------+----------+

| [32, 16] | [4, 30] |

| [0, 8] | [8, 0] |

| [3, 10] | [20, 32] |

| [25, 33] | [17, 5] |

| [20, 21] | [16, 25] |

| [35, 28] | [3, 27] |

| [27, 11] | [17, 36] |

| [4, 10] | [19, 14] |

| [31, 1] | [16, 10] |

| [21, 12] | [35, 36] |

| [29, 14] | [35, 16] |

| [14, 25] | [21, 14] |

| [20, 3] | [9, 32] |

| [21, 7] | [34, 20] |

| [9, 14] | [17, 25] |

| [0, 2] | [11, 14] |

| [15, 16] | [28, 21] |

+----------+----------+

Enter Input Number:14

+----------+----------+

| Pre | Pro |

+----------+----------+

| [34, 16] | [35, 15] |

| [11, 28] | [35, 20] |

| [32, 21] | [25, 27] |

| [13, 19] | [27, 31] |

| [2, 24] | [21, 12] |

| [2, 29] | [13, 35] |

| [0, 3] | [33, 33] |

| [16, 34] | [25, 13] |

| [13, 21] | [16, 31] |

| [34, 36] | [24, 32] |

| [17, 16] | [9, 31] |

| [24, 33] | [21, 10] |

| [15, 9] | [13, 17] |

| [13, 11] | [26, 12] |

+----------+----------+

Enter Input Number:15

+----------+----------+

| Pre | Pro |

+----------+----------+

| [14, 35] | [23, 4] |

| [35, 5] | [22, 29] |

| [27, 8] | [31, 19] |

| [22, 20] | [5, 24] |

| [16, 31] | [7, 10] |

| [0, 33] | [10, 19] |

| [18, 1] | [35, 2] |

| [29, 3] | [10, 33] |

| [34, 20] | [15, 4] |

| [20, 15] | [4, 11] |

| [25, 31] | [27, 7] |

| [33, 30] | [9, 14] |

| [25, 12] | [15, 15] |

| [12, 15] | [15, 16] |

| [15, 15] | [16, 13] |

| [34, 18] | [22, 20] |

| [7, 2] | [16, 12] |

+----------+----------+

Enter Input Number:16

+----------+----------+

| Pre | Pro |

+----------+----------+

| [] | [32, 16] |

| [16, 32] | [13, 4] |

| [7, 0] | [12, 25] |

| [12, 34] | [14, 35] |

| [21, 13] | [25, 32] |

| [20, 36] | [20, 20] |

| [1, 13] | [10, 30] |

| [13, 35] | [16, 29] |

| [35, 16] | [29, 34] |

| [6, 18] | [34, 14] |

| [21, 14] | [31, 15] |

| [36, 28] | [12, 28] |

| [0, 17] | [14, 9] |

| [18, 26] | [30, 16] |

| [16, 30] | [19, 3] |

| [3, 25] | [31, 34] |

| [12, 29] | [17, 11] |

| [15, 15] | [13, 28] |

| [5, 11] | [31, 18] |

| [32, 22] | [32, 11] |

| [2, 15] | [12, 6] |

| [18, 26] | [32, 22] |

+----------+----------+

Enter Input Number:17

+----------+----------+

| Pre | Pro |

+----------+----------+

| [21, 8] | [4, 26] |

| [4, 26] | [0, 31] |

| [33, 13] | [5, 4] |

| [23, 30] | [3, 2] |

| [11, 13] | [36, 28] |

| [2, 6] | [12, 6] |

| [35, 36] | [30, 27] |

| [27, 25] | [19, 28] |

| [28, 0] | [16, 14] |

| [26, 6] | [18, 34] |

| [7, 1] | [9, 25] |

| [23, 27] | [24, 11] |

| [22, 26] | [33, 30] |

| [14, 13] | [25, 26] |

| [29, 16] | [11, 35] |

| [32, 34] | [28, 33] |

| [25, 7] | [2, 9] |

| [1, 29] | [34, 18] |

| [32, 22] | [18, 11] |

+----------+----------+

Enter Input Number:18

+----------+----------+

| Pre | Pro |

+----------+----------+

| [33, 3] | [33, 0] |

| [36, 19] | [4, 36] |

| [3, 2] | [5, 4] |

| [27, 33] | [26, 20] |

| [19, 5] | [7, 32] |

| [11, 27] | [35, 21] |

| [0, 26] | [32, 22] |

| [11, 6] | [16, 34] |

| [7, 4] | [1, 15] |

| [9, 21] | [35, 4] |

| [6, 17] | [34, 24] |

| [24, 11] | [26, 16] |

| [16, 31] | [2, 25] |

| [0, 5] | [34, 32] |

| [33, 25] | [20, 31] |

| [17, 34] | [15, 22] |

| [28, 4] | [26, 16] |

| [22, 17] | [11, 21] |

+----------+----------+

Enter Input Number:19

+----------+----------+

| Pre | Pro |

+----------+----------+

| [7, 36] | [18, 4] |

| [25, 32] | [23, 30] |

| [15, 31] | [5, 18] |

| [10, 13] | [14, 27] |

| [32, 4] | [23, 23] |

| [9, 10] | [20, 1] |

| [25, 17] | [28, 2] |

| [32, 5] | [20, 3] |

| [15, 10] | [7, 4] |

| [33, 22] | [27, 33] |

| [30, 16] | [3, 25] |

| [31, 5] | [29, 6] |

+----------+----------+

Enter Input Number:20

+----------+----------+

| Pre | Pro |

+----------+----------+

| [10, 13] | [32, 12] |

| [11, 12] | [10, 32] |

| [23, 0] | [21, 13] |

| [14, 35] | [35, 25] |

| [18, 26] | [31, 28] |

| [31, 28] | [5, 25] |

| [1, 10] | [36, 5] |

| [35, 21] | [31, 8] |

| [31, 8] | [36, 16] |

| [36, 16] | [20, 27] |

| [16, 20] | [27, 21] |

| [22, 22] | [15, 5] |

| [1, 33] | [36, 2] |

| [10, 19] | [1, 11] |

| [1, 11] | [6, 8] |

| [5, 19] | [3, 13] |

| [9, 9] | [7, 10] |

| [13, 34] | [15, 15] |

| [3, 33] | [27, 32] |

| [24, 3] | [25, 12] |

| [25, 18] | [31, 5] |

| [15, 22] | [34, 7] |

+----------+----------+

Enter Input Number:21

+----------+----------+

| Pre | Pro |

+----------+----------+

| [8, 26] | [8, 17] |

| [31, 10] | [3, 23] |

| [0, 20] | [13, 16] |

| [7, 32] | [14, 25] |

| [18, 35] | [20, 31] |

| [20, 27] | [0, 26] |

| [24, 14] | [12, 13] |

| [23, 33] | [0, 31] |

| [25, 13] | [14, 16] |

| [26, 9] | [18, 35] |

| [33, 14] | [10, 30] |

| [28, 36] | [7, 13] |

| [27, 7] | [12, 27] |

| [32, 12] | [6, 2] |

| [13, 28] | [5, 11] |

| [18, 11] | [] |

+----------+----------+

Enter Input Number:22

+----------+----------+

| Pre | Pro |

+----------+----------+

| [5, 15] | [29, 7] |

| [6, 8] | [30, 11] |

| [18, 32] | [22, 20] |

| [32, 22] | [20, 15] |

| [10, 30] | [11, 28] |

| [5, 33] | [19, 27] |

| [27, 6] | [26, 17] |

| [2, 25] | [10, 0] |

| [9, 32] | [16, 32] |

| [18, 15] | [20, 34] |

| [36, 4] | [8, 29] |

| [16, 32] | [17, 18] |

+----------+----------+

Enter Input Number:23

+----------+----------+

| Pre | Pro |

+----------+----------+

| [35, 15] | [4, 7] |

| [21, 3] | [25, 33] |

| [36, 4] | [0, 20] |

| [32, 19] | [30, 17] |

| [26, 35] | [8, 4] |

| [4, 19] | [23, 33] |

| [19, 23] | [33, 21] |

| [0, 31] | [2, 9] |

| [9, 10] | [3, 33] |

| [4, 34] | [27, 7] |

| [25, 26] | [9, 9] |

| [10, 30] | [27, 17] |

+----------+----------+

Enter Input Number:24

+----------+----------+

| Pre | Pro |

+----------+----------+

| [4, 7] | [4, 11] |

| [15, 5] | [34, 36] |

| [36, 2] | [14, 21] |

| [30, 27] | [33, 7] |

| [36, 14] | [32, 32] |

| [18, 34] | [35, 6] |

| [27, 33] | [33, 14] |

| [27, 17] | [11, 18] |

| [35, 26] | [29, 32] |

| [29, 32] | [3, 20] |

+----------+----------+

Enter Input Number:25

+----------+----------+

| Pre | Pro |

+----------+----------+

| [16, 12] | [3, 10] |

| [3, 23] | [33, 13] |

| [13, 16] | [32, 19] |

| [20, 35] | [0, 1] |

| [20, 5] | [6, 35] |

| [21, 14] | [27, 11] |

| [11, 9] | [30, 33] |

| [33, 27] | [17, 19] |

| [34, 14] | [13, 21] |

| [32, 0] | [7, 32] |

| [17, 9] | [26, 23] |

| [19, 3] | [16, 31] |

| [7, 30] | [31, 15] |

| [13, 17] | [26, 3] |

| [3, 20] | [12, 15] |

| [18, 2] | [22, 10] |

| [28, 33] | [18, 20] |

| [10, 4] | [7, 17] |

+----------+----------+

Enter Input Number:26

+----------+----------+

| Pre | Pro |

+----------+----------+

| [7, 29] | [8, 26] |

| [26, 8] | [21, 8] |

| [17, 4] | [17, 0] |

| [33, 18] | [20, 31] |

| [36, 5] | [26, 27] |

| [5, 26] | [27, 6] |

| [21, 0] | [18, 32] |

| [33, 7] | [35, 23] |

| [34, 29] | [9, 21] |

| [27, 7] | [6, 17] |

| [9, 25] | [23, 9] |

| [8, 12] | [26, 5] |

| [12, 26] | [5, 33] |

| [11, 18] | [16, 30] |

| [0, 31] | [28, 36] |

| [6, 22] | [17, 33] |

| [17, 25] | [3, 33] |

| [11, 14] | [12, 29] |

| [11, 35] | [24, 29] |

| [4, 18] | [16, 32] |

+----------+----------+

Enter Input Number:27

+----------+----------+

| Pre | Pro |

+----------+----------+

| [5, 4] | [7, 36] |

| [9, 4] | [33, 18] |

| [13, 3] | [8, 15] |

| [14, 25] | [11, 13] |

| [26, 26] | [6, 6] |

| [30, 11] | [18, 35] |

| [20, 20] | [21, 0] |

| [19, 14] | [31, 1] |

| [17, 30] | [24, 33] |

| [1, 33] | [25, 17] |

| [34, 23] | [7, 26] |

| [22, 19] | [33, 24] |

| [30, 23] | [17, 24] |

| [31, 15] | [7, 21] |

| [21, 12] | [6, 22] |

| [33, 20] | [32, 12] |

+----------+----------+

Enter Input Number:28

+----------+----------+

| Pre | Pro |

+----------+----------+

| [8, 11] | [14, 35] |

| [20, 31] | [20, 5] |

| [6, 35] | [13, 3] |

| [17, 36] | [34, 34] |

| [22, 11] | [33, 4] |

| [8, 12] | [10, 11] |

| [17, 19] | [2, 29] |

| [34, 9] | [0, 3] |

| [32, 36] | [16, 12] |

| [16, 12] | [0, 17] |

| [31, 26] | [36, 21] |

| [16, 13] | [21, 5] |

| [34, 17] | [33, 25] |

| [7, 5] | [36, 4] |

| [6, 36] | [4, 18] |

+----------+----------+

Enter Input Number:29

+----------+----------+

| Pre | Pro |

+----------+----------+

| [30, 34] | [33, 3] |

| [15, 22] | [7, 29] |

| [29, 7] | [26, 8] |

| [3, 33] | [9, 10] |

| [28, 2] | [14, 13] |

| [16, 16] | [34, 34] |

| [35, 2] | [3, 15] |

| [30, 31] | [34, 29] |

| [29, 34] | [26, 9] |

| [7, 10] | [8, 12] |

| [26, 12] | [16, 17] |

| [26, 24] | [32, 24] |

| [5, 19] | [6, 10] |

| [11, 1] | [17, 34] |

| [22, 8] | [10, 33] |

+----------+----------+

Enter Input Number:30

+----------+----------+

| Pre | Pro |

+----------+----------+

| [13, 4] | [34, 29] |

| [19, 23] | [17, 3] |

| [8, 22] | [11, 27] |

| [16, 10] | [22, 11] |

| [36, 17] | [27, 24] |

| [9, 25] | [33, 1] |

| [10, 33] | [31, 29] |

| [21, 10] | [23, 27] |

| [26, 16] | [16, 19] |

| [11, 7] | [25, 31] |

| [17, 33] | [15, 9] |

| [33, 34] | [12, 7] |

+----------+----------+

Enter Input Number:31

+----------+----------+

| Pre | Pro |

+----------+----------+

| [17, 0] | [10, 21] |

| [5, 4] | [4, 34] |

| [26, 20] | [28, 20] |

| [8, 15] | [19, 5] |

| [21, 20] | [8, 20] |

| [14, 27] | [1, 13] |

| [21, 0] | [23, 2] |

| [14, 16] | [15, 7] |

| [14, 9] | [2, 8] |

| [33, 30] | [29, 34] |

| [6, 32] | [7, 1] |

| [25, 16] | [34, 4] |

| [33, 0] | [26, 28] |

| [30, 25] | [15, 27] |

| [11, 16] | [18, 2] |

| [18, 20] | [5, 19] |

+----------+----------+

Enter Input Number:32

+----------+----------+

| Pre | Pro |

+----------+----------+

| [16] | [16, 13] |

| [13, 20] | [12, 34] |

| [20, 10] | [5, 35] |

| [16, 25] | [19, 23] |

| [18, 7] | [21, 14] |

| [26, 18] | [22, 22] |

| [8, 4] | [4, 19] |

| [14, 24] | [32, 5] |

| [24, 32] | [5, 19] |

| [13, 9] | [0, 25] |

| [25, 7] | [36, 28] |

| [35, 6] | [31, 7] |

| [20, 27] | [12, 21] |

| [24, 29] | [24, 3] |

| [18, 34] | [34, 17] |

| [2, 9] | [22, 16] |

| [22, 16] | [11, 1] |

| [26, 16] | [22, 17] |

+----------+----------+

Enter Input Number:33

+----------+----------+

| Pre | Pro |

+----------+----------+

| [34, 29] | [3, 18] |

| [3, 18] | [0, 8] |

| [23, 25] | [13, 17] |

| [4, 27] | [18, 26] |

| [12, 6] | [1, 10] |

| [34, 36] | [4, 4] |

| [11, 28] | [4, 1] |

| [4, 1] | [20, 36] |

| [27, 24] | [7, 26] |

| [23, 23] | [21, 0] |

| [23, 3] | [29, 9] |

| [25, 30] | [1, 33] |

| [33, 1] | [27, 25] |

| [3, 14] | [33, 11] |

| [14, 33] | [11, 6] |

| [0, 0] | [15, 10] |

| [15, 10] | [30, 31] |

| [26, 5] | [22, 19] |

| [19, 27] | [24, 33] |

| [33, 24] | [14, 21] |

| [34, 4] | [0, 31] |

| [26, 17] | [30, 15] |

| [26, 3] | [20, 27] |

| [17, 28] | [25, 18] |

| [29, 10] | [34, 30] |

+----------+----------+

Enter Input Number:34

+----------+----------+

| Pre | Pro |

+----------+----------+

| [4, 30] | [29, 33] |

| [32, 12] | [16, 14] |

| [31, 4] | [8, 11] |

| [36, 28] | [34, 2] |

| [28, 34] | [2, 6] |

| [5, 24] | [36, 33] |

| [16, 29] | [34, 9] |

| [29, 34] | [9, 28] |

| [18, 16] | [14, 25] |

| [7, 10] | [36, 14] |

| [31, 29] | [29, 26] |

| [35, 4] | [23, 27] |

| [17, 18] | [24, 35] |

| [16, 31] | [4, 33] |

| [7, 13] | [20, 15] |

| [5, 18] | [32, 34] |

| [34, 32] | [17, 28] |

| [29, 17] | [18, 15] |

| [22, 20] | [7, 5] |

| [10, 33] | [30, 12] |

+----------+----------+

Enter Input Number:35

+----------+----------+

| Pre | Pro |

+----------+----------+

| [16, 14] | [15, 23] |

| [32, 5] | [5, 15] |

| [28, 14] | [20, 35] |

| [35, 20] | [25, 0] |

| [25, 6] | [28, 13] |

| [27, 18] | [21, 20] |

| [12, 13] | [36, 17] |

| [7, 26] | [23, 8] |

| [14, 13] | [16, 16] |

| [1, 15] | [2, 29] |

| [21, 18] | [4, 34] |

| [34, 24] | [6, 32] |

| [17, 11] | [26, 24] |

+----------+----------+

Enter Input Number:36

+----------+----------+

| Pre | Pro |

+----------+----------+

| [27, 7] | [19, 18] |

| [18, 4] | [4, 23] |

| [13, 17] | [28, 34] |

| [10, 20] | [5, 26] |

| [8, 20] | [16, 20] |

| [24, 34] | [33, 4] |

| [33, 20] | [2, 24] |

| [13, 35] | [17, 30] |

| [10, 34] | [14, 24] |

| [7, 32] | [28, 16] |

| [26, 28] | [21, 7] |

| [4, 7] | [0, 2] |

| [5, 28] | [4, 22] |

| [12, 6] | [28, 4] |

+----------+----------+