

Array Fill IV

Adapted by Neilor Tonin, URI

Brazil

Timelimit: 1

In this problem you need to read 15 numbers and must put them into two different arrays: **par** if the number is even or **impar** if this number is odd. But the size of each of the two arrays is only 5 positions. So every time you fill one of two arrays, you must print the entire array to be able to use it again for the next numbers that are read. At the end, all remaining numbers of each one of these two arrays must be printed beginning with the odd array. Each array can be filled how many times are necessary.

Input

The input contains 15 integer numbers.

Output

Print the output like the following example.

Input Sample	Output Sample
1	par[0] = 4
3	par[1] = -4
4	par[2] = 2
-4	par[3] = 8
2	par[4] = 2
3	impar[0] = 1
8	impar[1] = 3
2	impar[2] = 3
5	impar[3] = 5
-7	impar[4] = -7
54	impar[0] = 789
76	impar[1] = 23
789	par[0] = 54
23	par[1] = 76
98	par[2] = 98