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## Dice Pairs (2)

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**X81664\_en**

We want to run several experiments like those of the problem Dice Pairs (1). In each experiment, we have been throwing a pair of dice repeatedly, recording the outcome. Write a program that, for each of the experiments in a series of them, reads the sequence of outcomes of the experiment and prints out the histogram, under the same conditions as in Dice Pairs (1).

### Input

Input is a sequence of experiments. Each experiment consists of the outcomes of the corresponding dice throws. The end of the data for each single experiment is indicated by a zero.

### Output

Print the successive histograms corresponding to the successive experiments. After each histogram, print a line with five dashes.

Sample input 1	Sample output 1
7 5 4 5 8 8 4 8 8 7 0 9 7 7 9 9 8 10 9 8 8 4 5 4 8 5 6 5 9 8 7 0 6 8 12 5 0	4: 2 5: 2 7: 2 8: 4 ----- 4: 2 5: 3 6: 1 7: 3 8: 5 9: 5 10: 1 ----- 5: 1 6: 1 8: 1 12: 1 -----

### Problem information

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