**Josephus Problem**

100 people standing in a circle in an order 1 to 100. No. 1 has a sword. He kills the kth person and gives the sword to the next (i.e. (k+1)th ). All people do the same until only 1 survives. Which number survives at the last?

**Input format** :

2 space separated integers : n and k

**Output format :**

A single integer showing the position of the last man standing

**Sample Input :**

100 2

**Sample Output :**

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