First numbers

Write a program that reads a number \( n \), and prints all numbers between 0 and \( n \).

Input

Input consists of a natural number \( n \).

Output

Print in order all natural numbers between 0 and \( n \).

<table>
<thead>
<tr>
<th>Sample input</th>
<th>Sample output</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>0 1 2 3 4 5</td>
</tr>
</tbody>
</table>

Sample input

5

Sample output

0 1 2 3 4 5

Problem information

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