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 \* Program: numbertimes10.java

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 \* Purpose: Given an array of ints, compute recursively if the

 \* array contains an integer followed

 \* by another integer that is times 10 its value. If found

 \* return true, otherwise return false. We'll use the convention of

 \* considering only the part of the array that begins

 \* at the given index. In this way, a recursive call can

 \* pass index+1 to move down the array. The initial call

 \* will pass in index as 0.

 \*

 \* arraynum10({1, 2, 20}, 0) ? true

 \* arraynum10({3, 30}, 0) ? true

 \* arraynum10({3}, 0) ? false

 \*/

public class numbertimes10

{

 public boolean arrayx10(int[] nums, int index)

 {

 \*\*\* Your code goes here

 }

 public static void main(String[] args)

 {

 numbertimes10 nt = new numbertimes10();

 int[] arraynum10 = new int[] {1, 2, 20};

 System.out.println(nt.arrayx10(arraynum10,0));

 arraynum10 = new int[] {3, 30};

 System.out.println(nt.arrayx10(arraynum10,0));

 arraynum10 = new int[] {3};

 System.out.println(nt.arrayx10(arraynum10,0));

 }

}