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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.

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\* 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));

}

}