Print Numbers

def print_numbers(n, k):
    """Print all numbers that (A) can be formed from the digits of `n` in reverse order and (B) are multiples of `k`.

    This is essentially Fall 2015 Midterm 2 #3c written to not depend on knowledge of lists.

    Args:
    n (int): The number that results must use digits from.
    k (int): The number that results must be multiples of.
    """

    >>> print_numbers(97531, 5)
    135
    15
    35
    >>> print_numbers(97531, 7)
    1379
    357
    35
    >>> print_numbers(97531, 2)
    """
    def inner(n, s):
        if n == 0:
            if __________________________:
                __________________________
            else:
                __________________________
                __________________________
        inner(n, 0)
def sixty_ones(n):
    """Return the number of times that a 1 directly follows a 6
    in the digits of `n`.
    
    This is essentially Fall 2014 Midterm 2 #3a written to not
    depend on knowledge of lists.
    
    Args:
    n (int): The number whose digits are to be examined.
    
    Returns:
    int: The number of occurrences.
    """
    if __________________________:
        return 0
    elif __________________________:
        return __________________________
    else:
        __________________________

>>> sixty_ones(461601)
1
>>> sixty_ones(161461601)
2
"""
No Elevens

def no_elevens(n):
    """Return the number of `n`-digit numbers whose digits
    consist of 1's and 6's and do not contain a `1` and
    then another `1` consecutively.

    This is essentially Fall 2014 Midterm 2 #3b rewritten to
    not depend on knowledge of lists.

    Args:
        n (int): The length of the numbers.

    Returns:
        int: The number of numbers.
    """
    if n == 0:
        return __________________________
    elif __________________________:
        return __________________________
    else:
        return __________________________