```
# -*- coding: utf-8 -*-
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....
import numpy as np
import scipy.special as sp
def mult(n,k):
  return sp.binom(n,k)
def sk(1):
  return np.log(1)
def centered_difference(function, new_values):
  count = 0
  for 1 in range(len(function)):
     if count + 1 >= len(function):
        new values.append(1)
        break
     if count < 1:</pre>
        new_values.append(1)
     else:
        new_values.append(function[l+1] - function[l-1])
     count = count + 1
```