15.4-3: Give a memoized version of los-length that runs in O(mn) time.

[ct c[o...m, o...n] be a new table

for j=1 to n:

cci,j] = None

ruturn c

```
Memoized-LCS-Length (c, X, Y, 1,0)
   m = x. Length
   N = Y. Length
   i + i = 0 or i = 0:
      veturn
   if cti, 1 + None:
        return c [i]
         M:== y::
         C[i,j] = 1 + Memoized-LCS-length 

<math>(c, x, y, i-1, j-1)

return (c, x, y, i-1, j-1)
  else:
       ([i,j] = 1 + max
                        memoized-L(s-length(c,x,Y,:-1,j)

Memoized-L(s-length(c,x,Y,:-1,j))
       return c[i,i]
```