

Algorithm: Forward Difference Table

- Read n

// Read elements

- For i = 0 to (n-1) in steps of 1 do
 - Read y[i]
- End for

// Create forward difference table

- For j = 0 to (n-2) in steps of 1 do
 - For j = 0 to (n-j-2) in steps of 1 do
 - If (j == 0) then
 - $d[i][j] = y[i+1] - y[i]$
 - Else
 - $d[i][j] = d[i+1][j-1] - d[i][j-1]$
 - End if
 - End for
- End for
- End