```
Module1 - 1


Public Function FindY(xinR As Range, xs As Range, ys As Range) As Single


    Dim Count As Integer, index As Integer
    Dim x As Range, y As Range
    Dim xvalue() As Single, yvalue() As Single
    Dim Slope As Single, Intercept As Single
    ReDim xvalue(1 To xs.Count)
    ReDim yvalue(1 To xs.Count)

    xin = xinR.Value

    Count = 0
    For Each x In xs
        Count = Count + 1
        xvalue(Count) = x.Value
    Next x

    Count = 0
    For Each y In ys
        Count = Count + 1
        yvalue(Count) = y.Value
    Next y

    If xin >= xvalue(1) And xin <= xvalue(Count) Then
        index = 2
        Do While xin > xvalue(index) And index < Count
            index = index + 1
        Loop
    End If

    Slope = (yvalue(index) - yvalue(index - 1)) / (xvalue(index) - xvalue(index - 1))
    Intercept = yvalue(index) - Slope * xvalue(index)

    FindY = xin * Slope + Intercept


End Function
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