```vba
    'Lets redim the array to add 2 more columns for wind shear and moments
    ReDim Preserve StemArray(counter, 6)

    'Set up Some Variables to use in the loop
    Dim POI_Stem(2) As Double
    Dim PointX As Double

    'Loop through all my wall points and calculate shear and moments due to wind load
    For i = LBound(StemArray, 1) To UBound(StemArray, 1)

        PointX = StemArray(i, 4)

        POI_Stem = Stem_Wind(PointX, POI_Special, h_topfence, h_parapet, pressure_wind)

        StemArray(i, 5) = POI_Stem(1)
        StemArray(i, 6) = POI_Stem(2)
    Next i
```

POI_Special is a 7x4 variant matrix

I get an error here..."can't assign to array"

```vb
Function Stem_Wind(PointX As Double, POI_Special() As Variant, h_topfence As Double, _
h_parapet As Double, pressure_wind As Double) As Double()
        '
        ' This function will calculate shear and moments due to a uniform wind load
        '
        '
        '       Written by JoelTxCIVE
        '
        '
        '       Last Modified 07/10/2018
        '

        'INPUT:
        'For each value sent into the function, we need to determine which region of the wall
        'we are in and then apply the proper equation to determine shear and moments.
        '
        'PointX          –       This is the point I am interested in.
        'POI_Special() –       This is a (7x4) variant matrix with string and numeric columns
        'h_topfence     –       Height of top of fence above wall
        'h_parapet      –       Height of parapet region
        'pressure_wind –       Uniform wind pressure
        '
        'OUTPUT:
        'A (1x2) array containing two numeric values.  Value 1 will be shear and Value 2 is moment.

            'We are going to use a select case operation to compare the PointX value
            'to the special points of interest array.

            Select Case PointX

                Case Is < POI_Special(3, 4)         'in the top fence
                    Stem_Wind(1) = 0 'shear
                    Stem_Wind(2) = 0 'moment


                Case Is = POI_Special(3, 4)         'at top of wall
                    Stem_Wind(1) = h_topfence * pressure_wind        'shear
                    Stem_Wind(2) = Stem_Wind(1) * h_topfence / 2      'moment


                Case Is < POI_Special(4, 4)         'between top of wall and nat grade
                Stem_Wind(1) = (h_topfence + PointX – POI_Special(3, 4)) * pressure_wind 'shear
                Stem_Wind(2) = Stem_Wind(1) * PointX / 2                          'moment


                Case Is <= POI_Special(7, 4)        'below nat grade
                Stem_Wind(1) = (h_topfence + h_parapet) * pressure_wind              'shear
                Stem_Wind(2) = Stem_Wind(1) * (PointX – (h_topfence + h_parapet) / 2) 'moment


                Case Else
                    Stem_Wind(1) = 0 'nothing
                    Stem_Wind(2) = 0 'nothing
            End Select

End Function
```