


```
1 Public Class Combinazioni
2     Dim combVett((Form1.DGV.RowCount) - 1) As Double
3     Dim n As Integer
4
5     Private Sub Combinazioni_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
6
7     End Sub
8
9     Private Sub RiempiVetMdb(ByVal dgv As DataGridView)
10        Dim i As Integer
11        If Strings.Right(Form1.Ofd.FileName, 3) = "mdb" Then
12            For i = 0 To dgv.RowCount - 1
13                combVett(i) = dgv.Item(2, i).Value
14            Next
15        Else
16            For i = 0 To dgv.RowCount - 1
17                combVett(i) = dgv.Item(1, i).Value
18            Next
19        End If
20    End Sub
21
22    Private Sub Combinazioni(ByVal combVect() As Double, ByVal n As Integer)
23        Dim pos(n - 1) As Integer
24        Combinaz(combVect, n, pos, 0, 0)
25    End Sub
26
27    Private Sub Combinaz(ByVal vett() As Double, ByVal n As Integer, ByVal pos \(\) As Integer, ByVal depth As Integer, ByVal margin As Integer)
28        Dim i As Integer
29        If depth >= n Then
30            showComb(vett, pos)
31        ElseIf ((vett.Length - margin) < (n - depth)) Then
32        Else
33            For i = margin To (vett.Length) - 1
34                pos(depth) = i
35                Combinaz(vett, n, pos, depth + 1, i + 1)
36            Next
37        End If
38    End Sub
39
40    Private Sub showComb(ByVal vett() As Double, ByVal pos() As Integer)
41        Dim i As Integer
42        Dim s As String = ""
43        Dim somma As Double
44        s &= "("
45        For i = 0 To pos.Length - 1
46            s &= vett(pos(i))
47            somma += vett(pos(i))
48            If i <> (pos.Length) - 1 Then
49                s &= "+"
50            End If
51            's &= Elementi.Substring(pos(i), 1)
52        Next
53        somma /= pos.Length
54        s &= ")/" & pos.Length & "=" & Math.Round(somma, 4)
```

```
55         Rtxt.AppendText(s & vbCrLf)
56     End Sub
57
58     Private Sub btnCombine_Click(ByVal sender As System.Object, ByVal e As 
59         System.EventArgs) Handles btnCombine.Click
60         Rtxt.Clear()
61         If txtComb.Text <> "" Then
62             If CDb1(txtComb.Text) <= Form1.DGV.RowCount Then
63                 n = txtComb.Text
64                 RiempiVetMdb(Form1.DGV)
65                 Combinazioni(combVett, n)
66             End If
67         End If
68 End Sub
69 End Class
```