

'1)

```
Public Function TotalNumeroColaboradores() As Integer
    Dim resultado As Integer = 0
    Dim cFilial As ClassFilial = Nothing

    For Each cFilial In Me.cCollFiliais
        resultado += cFilial.NumeroColaboradores
    Next
    Return resultado
End Function
```

'2)

```
Public Function TotalNumeroColaboradores() As Integer
    Dim resultado As Integer = 0
    Dim cFilial As ClassFilial = Nothing

    For Each cFilial In Me.cCollFiliais
        If cFilial.NumeroColaboradores > 50 Then
            resultado += cFilial.NumeroColaboradores
        End If
    Next
    Return resultado
End Function
```

'3)

```
Public Function TotalNumeroColaboradores(ByVal A As Integer) As Integer
    Dim resultado As Integer = 0
    Dim cFilial As ClassFilial = Nothing

    For Each cFilial In Me.cCollFiliais
        If cFilial.NumeroColaboradores > A Then
            resultado += cFilial.NumeroColaboradores
        End If
    Next
    Return resultado
End Function
```

'4)

```
Public Function ContarFiliais() As Integer
    Dim resultado As Integer = 0
    Dim cFilial As ClassFilial = Nothing

    For Each cFilial In Me.cCollFiliais
        If cFilial.NumeroColaboradores > 50 Then
            resultado += 1
        End If
    Next
    Return resultado
End Function
```

'5)

```
Public Function ContarFiliais(ByVal A As Integer) As Integer
    Dim resultado As Integer = 0
    Dim cFilial As ClassFilial = Nothing

    For Each cFilial In Me.cCollFiliais
        If cFilial.NumeroColaboradores < A Then
            resultado += 1
        End If
    Next
    Return resultado
End Function
```

'6)

```
Public Function ContarFiliaisPar() As Integer
    Dim resultado As Integer = 0
    Dim cFilial As ClassFilial = Nothing
```

```
    For Each cFilial In Me.cCollFiliais
        If cFilial.NumeroColaboradores Mod 2 = 0 Then
            resultado += 1
        End If
    Next
    Return resultado
End Function

'7)

Public Function MaiorFilial() As Integer
    Dim resultado As Integer = 0
    Dim cFilial As ClassFilial = Nothing

    For Each cFilial In Me.cCollFiliais
        If cFilial.NumeroColaboradores > resultado Then
            resultado = cFilial.NumeroColaboradores
        End If
    Next
    Return resultado
End Function

'8)

Public Function MaiorFilial() As String
    Dim resultado As String
    Dim cFilial As ClassFilial = Nothing
    Dim somacolab As Integer = 0

    For Each cFilial In Me.cCollFiliais
        If cFilial.NumeroColaboradores > somacolab Then
            resultado = cFilial.Nome
        End If
    Next
    Return resultado
End Function

'9)

Public Function MaiorFilial() As ClassFilial
    Dim resultado As ClassFilial = Nothing
    Dim cFilial As ClassFilial = Nothing
    Dim somacolab As Integer = 0

    For Each cFilial In Me.cCollFiliais
        If cFilial.NumeroColaboradores > somacolab Then
            resultado = cFilial
        End If
    Next
    Return resultado
End Function

'10)

Public Function MaiorFNomeilial() As ClassFilial
    Dim resultado As ClassFilial = Nothing
    Dim cFilial As ClassFilial = Nothing
    Dim caracteres As Integer = 0

    For Each cFilial In Me.cCollFiliais
        If cFilial.Nome.Length > caracteres Then
            caracteres = cFilial.Nome.Length
            resultado = cFilial
        End If
    Next
    Return resultado
End Function

'11)

Public Function MenorFilial() As ClassFilial
    Dim resultado As ClassFilial = Nothing
    Dim cFilial As ClassFilial = Nothing
    Dim contagem As Integer = 0
```

```
    Dim c As Integer = 0

    For Each cFilial In Me.cCollFiliais
        c += 1
        If c = 1 Then
            contagem = cFilial.cCollDepartamentos.Count
        End If
        If cFilial.cCollDepartamentos.Count < contagem Then
            contagem = cFilial.cCollDepartamentos.Count
            resultado = cFilial
        End If
    Next
    Return resultado
End Function
```

'12)

```
Public Function MediaColaboradores() As Integer
    Dim resultado As Integer = 0
    Dim cFilial As ClassFilial = Nothing
    Dim soma As Integer = 0

    For Each cFilial In Me.cCollFiliais
        soma += cFilial.NumeroColaboradores
    Next
    If Me.cCollFiliais.Count <> 0 Then
        resultado = soma / Me.cCollFiliais.Count
    End If
    Return resultado
End Function
```

'13

```
Public Function DesvioPadraoColaboradores() As Single
    Dim resultado As Single = 0
    Dim cFilial As ClassFilial = Nothing
    Dim Media As Single = 0
    Dim C As Single = 0

    Media = Me.MediaColaboradores
    For Each cFilial In Me.cCollFiliais
        C += Math.Abs(Media - cFilial.NumeroColaboradores)
    Next
    If Me.TotalNumeroColaboradores <> 0 Then

        resultado = C / Me.TotalNumeroColaboradores()
        Return resultado
    End If
End Function
```

'14)

```
Public Function MaiorOrcamento() As Single
    Dim resultado As Single = 0
    Dim cFilial As ClassFilial = Nothing

    For Each cFilial In Me._cCollFiliais
        resultado += cFilial.ValorOrcamento
    Next
    Return resultado
End Function
```

'15)

```
Public Function FilialMenorOrcamento() As ClassFilial
    Dim resultado As ClassFilial = Nothing
    Dim cFilial As ClassFilial = Nothing
    Dim min As Single = 0
    Dim c As Integer = 0

    For Each cFilial In Me.cCollFiliais
        c += 1
        If c = 1 Then
            min = cFilial.ValorOrcamento
```

```
        resultado = cFilial
    End If
    If cFilial.ValorOrçamento < min Then
        min = cFilial.ValorOrçamento
        resultado = cFilial
    End If
Next
Return resultado
End Function
```