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Sub test()
  Dim opsana As AcadLayer
  Dim vepsana As AcadLayer
  Dim ctverec As AcadLayer
  Dim color As AcadAcCmColor

  Set opsana = ThisDrawing.Layers.Add("opsana")
  opsana.color = acMagenta
  Set vepsana = ThisDrawing.Layers.Add("vepsana")
  vepsana.color = acBlue
  Set ctverec = ThisDrawing.Layers.Add("ctverec")
  ctverec.color = acRed

  Dim bod_B As Variant, endPt As Variant

  bod_B = ThisDrawing.Utility.GetPoint(, "Pravý dolní roh: ")
  endPt = ThisDrawing.Utility.GetPoint(bod_B, "Poloměr opsané kružnice: ")

  Dim x_bod_B As Double
  Dim y_bod_B As Double
  x_bod_B = bod_B(0)
  y_bod_B = bod_B(1)

  Dim x_endPt As Double
  Dim y_endPt As Double
  x_endPt = endPt(0)
  y_endPt = endPt(1)

  Dim dx As Double
  Dim dy As Double

  Dim polomer_opsana As Double
  Dim polomer_vepsana As Double

  dx = Abs(x_bod_B - x_endPt)
  dy = Abs(y_bod_B - y_endPt)

  If dx = 0 And dy = 0 Then
    MsgBox ("Body nesmí ležet na sobě")
    Exit Sub
  End If

  polomer_opsana = Sqr((dx * dx) + (dy * dy))

  strana = Sqr(polomer_opsana * polomer_opsana * 2)

  polomer_vepsana = strana / 2

  Dim bod_A As Variant

  Dim bod_C As Variant
  Dim bod_D As Variant
  Dim bod_S As Variant

  bod_A = endPt
  bod_C = endPt
  bod_D = endPt

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bod_S = endPt

bod_A(0) = bod_B(0) - strana
bod_A(1) = bod_B(1)

bod_C(0) = bod_B(0)
bod_C(1) = bod_B(1) + strana

bod_D(0) = bod_A(0)
bod_D(1) = bod_C(1)

bod_S(0) = bod_A(0) + strana / 2
bod_S(1) = bod_A(1) + strana / 2

Dim strana_a As AcadLine
Dim strana_b As AcadLine
Dim strana_c As AcadLine
Dim strana_d As AcadLine

Set strana_a = ThisDrawing.ModelSpace.AddLine(bod_A, bod_B)
Set strana_b = ThisDrawing.ModelSpace.AddLine(bod_B, bod_C)
Set strana_c = ThisDrawing.ModelSpace.AddLine(bod_C, bod_D)
Set strana_d = ThisDrawing.ModelSpace.AddLine(bod_D, bod_A)

strana_a.Layer = "ctverec"
strana_b.Layer = "ctverec"
strana_c.Layer = "ctverec"
strana_d.Layer = "ctverec"

Dim kruznice_vepsana As Variant
Dim kruznice_opsana As Variant

Set kruznice_vepsana = ThisDrawing.ModelSpace.AddCircle(bod_S, polomer_vepsana)
Set kruznice_opsana = ThisDrawing.ModelSpace.AddCircle(bod_S, polomer_opsana)

kruznice_vepsana.Layer = "vepsana"
kruznice_opsana.Layer = "opsana"

Dim obsah_vepsane As Double

obsah_vepsane = polomer_vepsana * polomer_vepsana * 3.14159
MsgBox ("Obsah vepsane kruznice je " & obsah_vepsane)

End Sub