Module Module1

Sub Ladia(x1 As Integer, y1 As Integer, x2 As Integer, y2 As Integer)

If x1 = x2 Or y1 = y2 Then

Console.WriteLine("Ладья: YES")

Else

Console.WriteLine("Ладья: NO")

End If

End Sub

Sub Slon(x1 As Integer, y1 As Integer, x2 As Integer, y2 As Integer)

If Math.Abs(x1 - x2) = Math.Abs(y1 - y2) Then

Console.WriteLine("Слон: YES")

Else

Console.WriteLine("Слон: NO")

End If

End Sub

Sub Kon(x1 As Integer, y1 As Integer, x2 As Integer, y2 As Integer)

If (x1 + 2 = x2 And y1 + 1 = y2) Or

(x1 + 2 = x2 And y1 - 1 = y2) Or

(x1 - 2 = x2 And y1 + 1 = y2) Or

(x1 - 2 = x2 And y1 - 1 = y2) Or

(x1 + 1 = x2 And y1 + 2 = y2) Or

(x1 + 1 = x2 And y1 - 2 = y2) Or

(x1 - 1 = x2 And y1 + 2 = y2) Or

(x1 - 1 = x2 And y1 - 2 = y2) Or

(x1 = x2 And y1 = y2) Then

Console.WriteLine("Конь: YES")

Else

Console.WriteLine("Конь: NO")

End If

End Sub

Sub Main()

Dim x1, y1, x2, y2 As Integer

Dim check As Boolean = False

While check = False

Console.Write("x1 = ")

x1 = Console.ReadLine()

Console.Write("y1 = ")

y1 = Console.ReadLine()

Console.Write("x2 = ")

x2 = Console.ReadLine()

Console.Write("y2 = ")

y2 = Console.ReadLine()

If (x1 >= 1 And x1 <= 8) And

(y1 >= 1 And y1 <= 8) And

(x2 >= 1 And x2 <= 8) And

(y2 >= 1 And y2 <= 8) Then

Ladia(x1, y1, x2, y2)

Slon(x1, y1, x2, y2)

Kon(x1, y1, x2, y2)

check = True

Else

Console.Clear()

Console.WriteLine("введите координаты точек в соответствии с правилами шахмат")

End If

End While

Console.ReadKey()

End Sub

End Module