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Function bo_dau_tiang_viet(Text As String) As String
    Dim AsciiDict As Object
    Set AsciiDict = CreateObject("scripting.dictionary")
    AsciiDict(192) = "A"
    AsciiDict(193) = "A"
    AsciiDict(194) = "A"
    AsciiDict(195) = "A"
    AsciiDict(196) = "A"
    AsciiDict(197) = "A"
    AsciiDict(199) = "C"
    AsciiDict(200) = "E"
    AsciiDict(201) = "E"
    AsciiDict(202) = "E"
    AsciiDict(203) = "E"
    AsciiDict(204) = "I"
    AsciiDict(205) = "I"
    AsciiDict(206) = "I"
    AsciiDict(207) = "I"
    AsciiDict(208) = "D"
    AsciiDict(209) = "N"
    AsciiDict(210) = "O"
    AsciiDict(211) = "O"
    AsciiDict(212) = "O"
    AsciiDict(213) = "O"
    AsciiDict(214) = "O"
    AsciiDict(217) = "U"
    AsciiDict(218) = "U"
    AsciiDict(219) = "U"
    AsciiDict(220) = "U"
    AsciiDict(221) = "Y"
    AsciiDict(224) = "a"
    AsciiDict(225) = "a"
    AsciiDict(226) = "a"
    AsciiDict(227) = "a"
    AsciiDict(228) = "a"
    AsciiDict(229) = "a"
    AsciiDict(231) = "c"
    AsciiDict(232) = "e"
    AsciiDict(233) = "e"
    AsciiDict(234) = "e"
    AsciiDict(235) = "e"
    AsciiDict(236) = "i"
    AsciiDict(237) = "i"
    AsciiDict(238) = "i"
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AsciiDict(239) = "i"
AsciiDict(240) = "d"
AsciiDict(241) = "n"
AsciiDict(242) = "o"
AsciiDict(243) = "o"
AsciiDict(244) = "o"
AsciiDict(245) = "o"
AsciiDict(246) = "o"
AsciiDict(249) = "u"
AsciiDict(250) = "u"
AsciiDict(251) = "u"
AsciiDict(252) = "u"
AsciiDict(253) = "y"
AsciiDict(255) = "y"
AsciiDict(352) = "S"
AsciiDict(353) = "s"
AsciiDict(376) = "Y"
AsciiDict(381) = "Z"
AsciiDict(382) = "z"
AsciiDict(258) = "A"
AsciiDict(259) = "a"
AsciiDict(272) = "D"
AsciiDict(273) = "d"
AsciiDict(296) = "I"
AsciiDict(297) = "i"
AsciiDict(360) = "U"
AsciiDict(361) = "u"
AsciiDict(416) = "O"
AsciiDict(417) = "o"
AsciiDict(431) = "U"
AsciiDict(432) = "u"
AsciiDict(7840) = "A"
AsciiDict(7841) = "a"
AsciiDict(7842) = "A"
AsciiDict(7843) = "a"
AsciiDict(7844) = "A"
AsciiDict(7845) = "a"
AsciiDict(7846) = "A"
AsciiDict(7847) = "a"
AsciiDict(7848) = "A"
AsciiDict(7849) = "a"
AsciiDict(7850) = "A"
AsciiDict(7851) = "a"
AsciiDict(7852) = "A"

AsciiDict(7853) = "a"
AsciiDict(7854) = "A"
AsciiDict(7855) = "a"
AsciiDict(7856) = "A"
AsciiDict(7857) = "a"
AsciiDict(7858) = "A"
AsciiDict(7859) = "a"
AsciiDict(7860) = "A"
AsciiDict(7861) = "a"
AsciiDict(7862) = "A"
AsciiDict(7863) = "a"
AsciiDict(7864) = "E"
AsciiDict(7865) = "e"
AsciiDict(7866) = "E"
AsciiDict(7867) = "e"
AsciiDict(7868) = "E"
AsciiDict(7869) = "e"
AsciiDict(7870) = "E"
AsciiDict(7871) = "e"
AsciiDict(7872) = "E"
AsciiDict(7873) = "e"
AsciiDict(7874) = "E"
AsciiDict(7875) = "e"
AsciiDict(7876) = "E"
AsciiDict(7877) = "e"
AsciiDict(7878) = "E"
AsciiDict(7879) = "e"
AsciiDict(7880) = "I"
AsciiDict(7881) = "i"
AsciiDict(7882) = "I"
AsciiDict(7883) = "i"
AsciiDict(7884) = "O"
AsciiDict(7885) = "o"
AsciiDict(7886) = "O"
AsciiDict(7887) = "o"
AsciiDict(7888) = "O"
AsciiDict(7889) = "o"
AsciiDict(7890) = "O"
AsciiDict(7891) = "o"
AsciiDict(7892) = "O"
AsciiDict(7893) = "o"
AsciiDict(7894) = "O"
AsciiDict(7895) = "o"
AsciiDict(7896) = "O"

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AsciiDict(7897) = "o"
AsciiDict(7898) = "O"
AsciiDict(7899) = "o"
AsciiDict(7900) = "O"
AsciiDict(7901) = "o"
AsciiDict(7902) = "O"
AsciiDict(7903) = "o"
AsciiDict(7904) = "O"
AsciiDict(7905) = "o"
AsciiDict(7906) = "O"
AsciiDict(7907) = "o"
AsciiDict(7908) = "U"
AsciiDict(7909) = "u"
AsciiDict(7910) = "U"
AsciiDict(7911) = "u"
AsciiDict(7912) = "U"
AsciiDict(7913) = "u"
AsciiDict(7914) = "U"
AsciiDict(7915) = "u"
AsciiDict(7916) = "U"
AsciiDict(7917) = "u"
AsciiDict(7918) = "U"
AsciiDict(7919) = "u"
AsciiDict(7920) = "U"
AsciiDict(7921) = "u"
AsciiDict(7922) = "Y"
AsciiDict(7923) = "y"
AsciiDict(7924) = "Y"
AsciiDict(7925) = "y"
AsciiDict(7926) = "Y"
AsciiDict(7927) = "y"
AsciiDict(7928) = "Y"
AsciiDict(7929) = "y"
AsciiDict(8363) = "d"
Text = Trim(Text)
If Text = "" Then Exit Function
Dim Char As String, _
    NormalizedText As String, _
    UnicodeCharCode As Long, _
    i As Long
'Remove accent marks (diacritics) from text
For i = 1 To Len(Text)
    Char = Mid(Text, i, 1)
    UnicodeCharCode = AscW(Char)

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If (UnicodeCharCode < 0) Then
    'See http://support.microsoft.com/kb/272138
    UnicodeCharCode = 65536 + UnicodeCharCode
End If
If AsciiDict.Exists(UnicodeCharCode) Then
    NormalizedText = NormalizedText & AsciiDict.Item(UnicodeCharCode)
Else
    NormalizedText = NormalizedText & Char
End If
Next
bo_dau_tieng_viet = NormalizedText
End Function
```