Scores = read.csv("scores.csv")
Teams = read.csv("teams.csv")
Scores = subset(Scores, !(Code == "NE") & !(Code == "E"))

DivI = subset(Teams, (Class == "NCAA") & (Div == "I"))

ScoresI = subset(Scores, Visitor %in% DivI$Team & Home %in% DivI$Team)

s <- union(as.character(ScoresI$Visitor), as.character(ScoresI$Home))
s <- factor(s)
ScoresI <- mutate(ScoresI, Visitor = factor(as.character(Visitor), levels = s))
ScoresI <- mutate(ScoresI, Home = factor(as.character(Home), levels = s))
ScoresI <- mutate(ScoresI, VWin = Vscore > Hscore)

DI <- BTm(VWin, Visitor, Home, data = ScoresI)
a <- BTabilities(DI)
b <- a[order(a[, 1]), ]

tourBT <- b[, 1][as.character(tourteams)]
tourBT

Kentucky     Hampton     Cincinnati     Purdue     West Virginia
 21.697       1.878       5.161         5.628       6.377
Buffalo      Maryland    Valparaiso    Butler      Texas
 4.641        6.836       4.792         6.135       5.865
Notre Dame   Northeastern Wichita St Indiana      Kansas
 7.473        3.867       6.216         5.613       7.050
New Mexico St Wisconsin  Coastal Carolina Oregon      Oklahoma St
 3.616        7.809       3.412         5.912       5.699
Arkansas      Wofford     North Carolina Harvard      Xavier OH
 6.190        4.731       6.614         4.373       5.723
Mississippi   Baylor      Georgia St    VA Commonwealth Ohio State
 5.232        6.509       3.874         5.814       5.882
Arizona       Texas Southern Villanova  Lafayette North Carolina St
 7.434        3.085       8.095         3.365       5.703
LSU           Northern Iowa  Wyoming      Louisville UC-Irvine
 5.435        6.551       4.882         6.743       3.891
Providence RI Dayton      Oklahoma     Albany NY    Michigan St
Georgia       Virginia    Belmont      Duke         Robert Morris PA
 5.597        7.927       3.525         7.917       3.060
San Diego St  St John's NY Utah        Stephen F. Austin Georgetown DC
 5.561        5.962       6.059         5.360       6.196
Eastern Washington SMU      UCLA         Iowa St Alabama-Birmingham
 3.884        6.087       5.392         6.841       3.621
Iowa          Davidson    Gonzaga      North Dakota St
 5.857        5.557       7.475         3.623