

Test maximize.R function

Test functions in maximize.R file

```
#Load Libraries and functions
setwd("C:/Users/Christina/Desktop/mse-r/MSE-R")
source("mse.R")

#Import file
filename<-"import/round1m1-1.xls.pre.dat"
x<-import(filename)
g(header,noM,noU,noD,noAttr,distanceMatrices,matchMatrix,mate)%=%x

#Create inequality members
ineqmembers<-Cineqmembers(mate)

#Create Data Array
dataArray<-CdataArray(distanceMatrices,ineqmembers)

#Objective function
coefficient1<-1
b<-c(5,3) #Define x1,x2,... values
obj<-objective(b)

#maximize function
lower <- c(-10, -10)
upper <- -lower
par<-list(lower=lower,upper=upper,NP=50,itermax=100,trace=FALSE,reltol=0.001,CR=0.5,F=0.6,RandomSeed=0)
x<-maximize(par)
g(bestmem,bestval)%=%x
print(bestmem)

##      par1      par2
## 3.833526 2.929962

## [1] "Test Result: SUCCESS"
print(bestval)

## [1] 29966
## [1] "Test Result: SUCCESS"
```