x="ms9yew";#neptun kód

z=charToRaw(iconv(x, "latin1", "UTF-8"))

for (i in 1:6) v=paste("0x",z,sep="")

e=strtoi(v)

ax=e[1];ay=e[2];az=e[3];av=e[4];ss=sum(strtoi(v))

cat("ax=",ax,"\n")

cat("ay=",ay,"\n")

cat("az=",az,"\n")

cat("av=",av,"\n")

cat("ss=",ss,"\n")

ar=c( "FB","AAPL","AMZN","GOOG","NFLX","TSLA")

ai=ss-6\*floor(ss/6)

ev=2020-(ss-20\*floor(ss/20))

cat("ev=",ev,"\n")

cat("reszveny=",ar[ai],"\n")

# 2es feladat -------------------------------------------------------

elsoMatrix = zn[,1]; elsoMatrix

masodikMatrix = zn[,2] ; masodikMatrix

norm\_loglik<-function(y,par){

loglik<-sum(dnorm(y,mean=par[1], sd=par[2],log=TRUE))

return(-loglik)

}

opt1<-nlm(f=norm\_loglik, p=c(1,1), y=elsoMatrix);opt1 #kiinduló érték m=1, sd=1

opt1$estimate #paraméter becslése

opt2<-nlm(f=norm\_loglik, p=c(1,1), y=masodikMatrix);opt2 #kiinduló érték m=1, sd=1

opt2$estimate #paraméter becslése