

```

#2
> #(a)
> class<-matrix(c('Isla','Silas','Olivia','Theodore','Posie','Jack','Finn',
+               'Aurora','Aarav','Cora','Felix','Ada','Maeve','Henry','Amara','Wyatt','Charlotte','Aryan'),3,6,byrow = TRUE)
> class
      [,1] [,2] [,3] [,4] [,5] [,6]
[1,] "Isla" "Silas" "Olivia" "Theodore" "Posie" "Jack"
[2,] "Finn" "Aurora" "Aarav" "Cora" "Felix" "Ada"
[3,] "Maeve" "Henry" "Amara" "Wyatt" "Charlotte" "Aryan"
#(e)
> x<-class[3,2]
> class[3,2]<-class[1,6];class[1,6]<-x
> class
      [,1] [,2] [,3] [,4] [,5] [,6]
[1,] "Isla" "Silas" "Olivia" "Theodore" "Posie" "Henry"
[2,] "Finn" "Aurora" "Aarav" "Cora" "Felix" "Ada"
[3,] "Maeve" "Jack" "Amara" "Wyatt" "Charlotte" "Aryan"
#(f)
> class<-rbind(class,c('s1','s2','s3','s4','s5','s6'))
> class
      [,1] [,2] [,3] [,4] [,5] [,6]
[1,] "Isla" "Silas" "Olivia" "Theodore" "Posie" "Henry"
[2,] "Finn" "Aurora" "Aarav" "Cora" "Felix" "Ada"
[3,] "Maeve" "Jack" "Amara" "Wyatt" "Charlotte" "Aryan"
[4,] "s1" "s2" "s3" "s4" "s5" "s6"
> #(g)

```

```
> class[4,]<-c('Helen','Owen','Kelly','Ben','Susan','Jack
son')
> class
      [,1]      [,2]      [,3]      [,4]      [,5]      [,6]
[1,] "Isla"    "Silas"    "Olivia" "Theodore" "Posie"     "Henry"
[2,] "Finn"    "Aurora"   "Aarav"  "Cora"     "Felix"     "Ada"
[3,] "Maeve"   "Jack"     "Amara"  "Wyatt"    "Charlotte" "Aryan"
[4,] "Helen"   "Owen"     "Kelly"  "Ben"      "Susan"     "Jackson"
```

#4(沒跑出來)

```
dice<-function(n){
  ans<-c()
  for (i in (1:n)){
    s<-c()
    s<-c(s,sum(sample(1:6,2)))
    for (ii in (1:1000)){
      if (length(unique(s))<11) {
        s<-c(s,sum(sample(1:6,2)))
      }else{
        break
      }
    }
    ans<-c(ans,length(s))
  }
  return(ans)
}
dice(10000)
```

#5(讀不到檔)

```
RR<-read.csv(file="reliability_training.csv")
```

#6

#(a)

```
aa<-function(x){
```

```
cat(c('min:',min(x)),'\n',c('max:',max(x)),'\n',c('average:',mean(x)),'\n',c('order',order(
x)),sep = "\n")
}
#(b)
bb<-function(x){
  b<-list(min=min(x),max=max(x),average=mean(x),order=order(x))
}
```