```
> #2020/12/04(五), 109 學年第一學期 資料科學應用 R 作業(5)
> #學號: A107260036    姓名: 顏郁芹
> #ex2.4(a)
> for(i in 1:5){
+       for(j in 1:i){
+           cat(j)
+           }
+       cat("\r\n")
+ }
1
12
123
1234
12345
> #2.4(b)
> c <- 1
> for(i in 4:0){
+     for(c in c ){
+         cat(rep(" ", each = i))
+         cat(rep((c), (each = c)))
+         c <-c +2
+     }
+     cat("\n")
+ }
        1
      3 3 3
    5 5 5 5 5
  7 7 7 7 7 7 7
9 9 9 9 9 9 9 9 9
> #2.50
> y <- c(25, 49, 95, 178, 264, 327, 373)
> b <- matrix( 0, 7, 7)
> for(i in 1:7){
+       for( j in 1:7){
+         if(abs(y[i]- y[j])<50)
```

```
+                b[i , j] <- 100
+           else if(abs(y[i]- y[j])<300)
+                 b[i , j] <- 100 + abs(y[i]- y[j]) -50
+           else
+                 b[i , j] <- 400
+        }
+   }
> b
       [,1] [,2] [,3] [,4] [,5] [,6] [,7]
[1,]   100   100   120   203   289   400   400
[2,]   100   100   100   179   265   328   400
[3,]   120   100   100   133   219   282   328
[4,]   203   179   133   100   136   199   245
[5,]   289   265   219   136   100   113   159
[6,]   400   328   282   199   113   100   100
[7,]   400   400   328   245   159   100   100
>
```