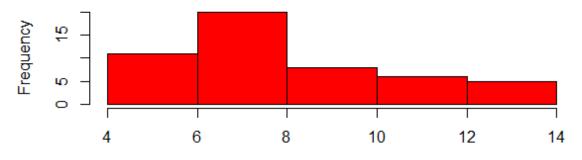
```
Get states names with 'w'.
       states = rownames(USArrests)
       states
      "Alabama"
                         "Alaska"
                                             "Arizona"
                                                                 "Arkansas"
     "California"
                         "Colorado"
                                             "Connecticut"
                                                                 "Delaware"
 [9]
                                                                 "Idaho"
     "Florida"
                         "Georgia"
                                             "Hawaii"
     "Illinois"
                         "Indiana"
                                                                 "Kansas"
 [\bar{1}3]
                                             "Iowa"
                                                                 "Maryland"
     "Kentucky"
                         "Louisiana"
                                             "Maine"
 [17]
[21]
     "Massachusetts"
                         "Michigan"
                                             "Minnesota"
                                                                 "Mississippi"
[25]
      "Missouri"
                         "Montana"
                                             "Nebraska"
                                                                 "Nevada"
[29]
                                                                 "New York"
     "New Hampshire"
                         "New Jersey"
                                             "New Mexico"
                                             "Ohio"
                                                                 "Oklahoma"
[33]
      "North Carolina"
                         "North Dakota"
[37]
      "Oregon"
                         "Pennsylvania"
                                             "Rhode Island"
                                                                 "South Carolina"
                                             "Texas"
[41]
     "South Dakota"
                         "Tennessee"
                                                                 "Utah"
[45]
     "Vermont"
                         "Virginia"
                                             "Washington"
                                                                 "West Virginia"
[49]
     "Wisconsin"
                         "Wyoming"
       x <- grep("w", states)
     8 11 15 29 30 31 32
      for (i in 1:length(x)) {
         print(states[x[i]])
        }
      (i in 1:length(x)) \{
    print(states[x[i]])
    "Delaware"
    "Hawaii"
     "Iowa"
     "New Hampshire"
    "New Jersey"
"New Mexico"
     "New York"
   Get states names with 'W'.
X <- grep("W", states)
Χ
    47 48 49 50
for (i in 1:length(X)) {
 print(states[X[i]])
  for (i in 1:length(X)) {
    print(states[X[i]])
    "Washington"
    "West Virginia"
    "Wisconsin"
    "Wyoming"
```

states=rownames(USArrests)

2. Prepare a histogram of the number of characters in each US state.

df <- nchar(states)
hist(df, xlab = "No.of Characters in each state", col = "red")</pre>

## Histogram of df



No.of Characters in each state