1) **C5.0 on 10 % kddcup dataset**

```
Confusion Matrix and Statistics

          Reference
Prediction     0     1     2     3     4
         0 24317     0     6     0     1
         1     1 97864     0     1     0
         2     0     0     7     0     0
         3     1     0     0   280     0
         4     0     0     0     0  1025

Overall Statistics

               Accuracy : 0.9999
                 95% CI : (0.9999, 1)
    No Information Rate : 0.7924
    P-Value [Acc > NIR] : < 2.2e-16

                  Kappa : 0.9998

 Mcnemar's Test P-Value : NA

Statistics by Class:

                     Class: 0 Class: 1  Class: 2 Class: 3 Class: 4
Sensitivity            0.9999   1.0000 5.385e-01 0.996441 0.999025
Specificity            0.9999   0.9999 1.000e+00 0.999992 1.000000
Pos Pred Value         0.9997   1.0000 1.000e+00 0.996441 1.000000
Neg Pred Value         1.0000   1.0000 1.000e+00 0.999992 0.999992
Prevalence             0.1969   0.7924 1.053e-04 0.002275 0.008307
Detection Rate         0.1969   0.7924 5.668e-05 0.002267 0.008299
Detection Prevalence   0.1970   0.7924 5.668e-05 0.002275 0.008299
Balanced Accuracy      0.9999   1.0000 7.692e-01 0.998217 0.999513
```

2) **Classification And Regression Trees on kddcup dataset**

```
Confusion Matrix and Statistics

          Reference
Prediction     0     1     2     3     4
         0 23958   653     7   281   654
         1   361 97211     6     0   372
         2     0     0     0     0     0
         3     0     0     0     0     0
         4     0     0     0     0     0

Overall Statistics

                Accuracy : 0.9811
                  95% CI : (0.9803, 0.9819)
    No Information Rate : 0.7924
    P-Value [Acc > NIR] : < 2.2e-16

                   Kappa : 0.9429

 Mcnemar's Test P-Value : NA

Statistics by Class:

                     Class: 0 Class: 1  Class: 2 Class: 3 Class: 4
Sensitivity            0.9852   0.9933 0.0000000 0.000000 0.000000
Specificity            0.9839   0.9712 1.0000000 1.000000 1.000000
Pos Pred Value         0.9376   0.9925       NaN      NaN      NaN
Neg Pred Value         0.9963   0.9744 0.9998947 0.997725 0.991693
Prevalence             0.1969   0.7924 0.0001053 0.002275 0.008307
Detection Rate         0.1940   0.7871 0.0000000 0.000000 0.000000
Detection Prevalence   0.2069   0.7931 0.0000000 0.000000 0.000000
Balanced Accuracy      0.9845   0.9823 0.5000000 0.500000 0.500000
```