=== Run information ===

Scheme: weka.classifiers.rules.Prism

Relation: binNomified

Instances: 14996

Attributes: 38

is\_attack

P101

P203

P205

P301

P401

P601

MV301

MV302

MV304

UV401

MV101

MV201

MV303

FIT101

LIT101

AIT202

AIT203

FIT201

DPIT301

FIT301

LIT301

AIT402

FIT401

LIT401

AIT501

AIT502

AIT503

AIT504

FIT501

FIT502

FIT503

FIT504

PIT501

PIT502

PIT503

FIT601

AIT201

Test mode: 10-fold cross-validation

=== Classifier model (full training set) ===

Prism rules

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If AIT402 = GT\_6.677774905 then zero

If FIT301 = GT\_1.7269319900000002 then zero

If LIT101 = LT\_545.1423 then zero

If P601 = two then zero

If MV304 = two then zero

If MV303 = two then zero

If MV302 = zero then zero

If MV303 = zero then zero

If MV304 = zero then zero

If PIT503 = GT\_114.481865

and FIT601 = LT\_0.000288341 then zero

If PIT503 = GT\_114.481865

and P301 = one then zero

If DPIT301 = GT\_12.544016849999998

and AIT503 = GT\_1016.24585 then zero

If AIT201 = GT\_128.5087125

and MV201 = zero then zero

If AIT201 = GT\_128.5087125

and P301 = one then zero

If AIT201 = GT\_128.5087125

and AIT203 = LT\_235.8625945

and AIT503 = LT\_1016.24585 then zero

If PIT501 = GT\_159.94296250000002

and LIT301 = LT\_1010.5982650000001

and FIT401 = GT\_0.79857865 then zero

If AIT504 = LT\_24.82055855

and DPIT301 = GT\_12.544016849999998 then zero

If AIT504 = LT\_24.82055855

and P301 = one

and FIT401 = LT\_0.79857865 then zero

If AIT504 = LT\_24.82055855

and P301 = one

and AIT202 = GT\_8.9337995

and MV302 = two then zero

If FIT201 = GT\_2.316278455

and AIT203 = LT\_235.8625945 then zero

If FIT201 = GT\_2.316278455

and AIT502 = GT\_68.25173225 then zero

If FIT201 = GT\_2.316278455

and AIT503 = LT\_1016.24585

and AIT501 = LT\_7.74131627 then zero

If FIT201 = GT\_2.316278455

and AIT503 = LT\_1016.24585

and FIT502 = LT\_0.3526962995

and FIT503 = LT\_0.6097366184999999 then zero

If FIT201 = GT\_2.316278455

and AIT503 = LT\_1016.24585

and FIT601 = GT\_0.000288341

and P301 = one then zero

If AIT201 = GT\_128.5087125

and AIT202 = LT\_8.9337995

and FIT502 = LT\_0.3526962995 then zero

If AIT201 = GT\_128.5087125

and AIT202 = LT\_8.9337995

and FIT504 = GT\_0.21173492900000002 then zero

If AIT201 = GT\_128.5087125

and AIT202 = LT\_8.9337995

and FIT401 = LT\_0.79857865 then zero

If AIT201 = GT\_128.5087125

and AIT202 = LT\_8.9337995

and LIT401 = GT\_787.028992

and P101 = one

and P203 = one

and P205 = one

and P301 = two

and P401 = two

and P601 = one

and MV301 = one

and MV302 = two

and MV304 = one

and UV401 = two

and MV101 = one

and MV201 = one

and MV303 = one

and FIT101 = LT\_4.3850686549999995

and LIT101 = GT\_545.1423

and AIT203 = LT\_235.8625945

and FIT201 = LT\_2.316278455

and DPIT301 = LT\_12.544016849999998

and FIT301 = LT\_1.7269319900000002

and LIT301 = LT\_1010.5982650000001

and AIT402 = LT\_6.677774905

and FIT401 = GT\_0.79857865

and AIT501 = GT\_7.74131627

and AIT502 = LT\_68.25173225

and AIT503 = GT\_1016.24585

and AIT504 = GT\_24.82055855

and FIT501 = GT\_0.801781585

and FIT502 = GT\_0.3526962995

and FIT503 = LT\_0.6097366184999999

and FIT504 = LT\_0.21173492900000002

and PIT501 = LT\_159.94296250000002

and PIT502 = LT\_2.8593855

and PIT503 = LT\_114.481865

and FIT601 = GT\_0.000288341 then zero

If AIT201 = GT\_128.5087125

and FIT503 = LT\_0.6097366184999999

and FIT601 = LT\_0.000288341

and FIT501 = GT\_0.801781585 then zero

If FIT201 = GT\_2.316278455

and FIT503 = LT\_0.6097366184999999

and PIT502 = LT\_2.8593855

and P301 = one then zero

If AIT201 = GT\_128.5087125

and FIT503 = LT\_0.6097366184999999

and FIT601 = LT\_0.000288341

and P101 = one

and P203 = one

and P205 = one

and P301 = two

and P401 = two

and P601 = one

and MV301 = one

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and MV303 = one

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and LIT101 = GT\_545.1423

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and PIT501 = LT\_159.94296250000002

and PIT502 = LT\_2.8593855

and PIT503 = LT\_114.481865 then zero

If AIT201 = GT\_128.5087125

and FIT503 = LT\_0.6097366184999999

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and AIT503 = LT\_1016.24585

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and FIT401 = GT\_0.79857865

and P101 = two

and P203 = two

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and P301 = two

and P401 = two

and P601 = one

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and MV302 = two

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and UV401 = two

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and P203 = two

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and P401 = two

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and MV304 = one

and UV401 = two

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and PIT503 = LT\_114.481865

and FIT504 = LT\_0.21173492900000002

and FIT501 = GT\_0.801781585

and P101 = two

and P203 = two

and P205 = two

and P301 = two

and P401 = two

and P601 = one

and MV301 = one

and MV302 = two

and MV304 = one

and UV401 = two

and MV101 = one

and MV201 = two

and MV303 = one

and FIT101 = LT\_4.3850686549999995

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and AIT201 = GT\_128.5087125 then zero

If AIT502 = GT\_68.25173225

and LIT301 = LT\_1010.5982650000001 then zero

If FIT502 = LT\_0.3526962995

and AIT501 = LT\_7.74131627

and P101 = one then zero

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and LIT301 = LT\_1010.5982650000001

and P301 = one

and FIT201 = GT\_2.316278455 then zero

If DPIT301 = GT\_12.544016849999998

and FIT601 = GT\_0.000288341

and FIT501 = GT\_0.801781585 then zero

If FIT502 = LT\_0.3526962995

and P301 = two

and PIT502 = GT\_2.8593855 then zero

If FIT502 = LT\_0.3526962995

and P301 = two

and AIT201 = LT\_128.5087125

and AIT202 = GT\_8.9337995 then zero

If FIT501 = LT\_0.801781585

and AIT501 = LT\_7.74131627 then zero

If FIT501 = LT\_0.801781585

and PIT503 = GT\_114.481865

and FIT504 = LT\_0.21173492900000002 then zero

If MV201 = two

and P203 = one

and MV101 = one then zero

If FIT501 = LT\_0.801781585

and AIT202 = LT\_8.9337995

and LIT301 = LT\_1010.5982650000001 then zero

If AIT502 = GT\_68.25173225

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If P101 = two

and PIT502 = GT\_2.8593855

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If P101 = two

and PIT502 = GT\_2.8593855

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and FIT504 = GT\_0.21173492900000002 then zero

If MV201 = zero

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and AIT201 = GT\_128.5087125 then zero

If FIT501 = LT\_0.801781585

and P301 = one

and FIT502 = LT\_0.3526962995 then zero

If P101 = two

and FIT201 = LT\_2.316278455

and P301 = two then zero

If P101 = two

and PIT502 = GT\_2.8593855

and FIT504 = GT\_0.21173492900000002

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and FIT101 = LT\_4.3850686549999995

and FIT503 = LT\_0.6097366184999999

and FIT504 = LT\_0.21173492900000002

and MV101 = one

and P101 = two

and P203 = two

and P205 = two

and P401 = two

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and MV301 = one

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If MV201 = zero

and MV101 = one

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If AIT202 = GT\_8.9337995

and MV302 = two

and P301 = one then zero

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and FIT502 = LT\_0.3526962995

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and FIT501 = GT\_0.801781585

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and PIT502 = LT\_2.8593855

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and AIT503 = GT\_1016.24585

and AIT504 = GT\_24.82055855

and FIT501 = GT\_0.801781585

and FIT502 = GT\_0.3526962995

and FIT503 = LT\_0.6097366184999999

and PIT501 = LT\_159.94296250000002

and PIT502 = LT\_2.8593855

and PIT503 = LT\_114.481865

and FIT601 = GT\_0.000288341

and AIT201 = LT\_128.5087125 then zero

If LIT401 = LT\_787.028992 then one

If AIT202 = LT\_8.9337995

and LIT301 = GT\_1010.5982650000001 then one

If AIT201 = LT\_128.5087125

and FIT101 = GT\_4.3850686549999995

and P101 = one then one

If AIT201 = LT\_128.5087125

and MV201 = zero

and MV101 = two then one

If AIT201 = LT\_128.5087125

and AIT202 = LT\_8.9337995

and FIT401 = LT\_0.79857865 then one

If AIT201 = LT\_128.5087125

and AIT202 = LT\_8.9337995

and AIT504 = LT\_24.82055855 then one

If AIT201 = LT\_128.5087125

and AIT202 = LT\_8.9337995

and FIT502 = GT\_0.3526962995

and FIT504 = GT\_0.21173492900000002

and FIT501 = GT\_0.801781585

and P101 = one

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and P205 = one

and P301 = two

and P401 = two

and P601 = one

and MV301 = one

and MV302 = two

and MV304 = one

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and MV101 = one

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and MV303 = one

and FIT101 = LT\_4.3850686549999995

and LIT101 = GT\_545.1423

and AIT203 = LT\_235.8625945

and FIT201 = LT\_2.316278455

and DPIT301 = LT\_12.544016849999998

and FIT301 = LT\_1.7269319900000002

and LIT301 = LT\_1010.5982650000001

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and PIT501 = LT\_159.94296250000002

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and PIT503 = LT\_114.481865

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and FIT502 = GT\_0.3526962995

and MV302 = two

and FIT501 = GT\_0.801781585

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If AIT201 = LT\_128.5087125

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and FIT201 = LT\_2.316278455 then one

If AIT201 = LT\_128.5087125

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and MV201 = one

and MV101 = two then one

If AIT201 = LT\_128.5087125

and MV302 = one

and MV201 = one

and MV101 = zero then one

If AIT201 = LT\_128.5087125

and MV302 = one

and MV201 = one

and PIT502 = LT\_2.8593855 then one

If AIT201 = LT\_128.5087125

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and AIT503 = LT\_1016.24585

and AIT504 = GT\_24.82055855

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and FIT601 = LT\_0.000288341

and AIT201 = GT\_128.5087125 then one

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and P301 = two

and FIT504 = LT\_0.21173492900000002

and FIT401 = GT\_0.79857865

and P101 = one

and P203 = one

and P205 = one

and P401 = two

and P601 = one

and MV301 = one

and MV302 = two

and MV304 = one

and UV401 = two

and MV101 = one

and MV201 = one

and MV303 = one

and FIT101 = LT\_4.3850686549999995

and LIT101 = GT\_545.1423

and AIT203 = LT\_235.8625945

and FIT201 = LT\_2.316278455

and DPIT301 = LT\_12.544016849999998

and FIT301 = LT\_1.7269319900000002

and LIT301 = LT\_1010.5982650000001

and AIT402 = LT\_6.677774905

and LIT401 = GT\_787.028992

and AIT501 = GT\_7.74131627

and AIT502 = LT\_68.25173225

and AIT503 = GT\_1016.24585

and AIT504 = GT\_24.82055855

and FIT501 = GT\_0.801781585

and FIT503 = LT\_0.6097366184999999

and PIT501 = LT\_159.94296250000002

and PIT502 = LT\_2.8593855

and PIT503 = LT\_114.481865

and AIT201 = GT\_128.5087125 then one

If AIT402 = LT\_6.677774905

and AIT502 = GT\_68.25173225

and PIT501 = LT\_159.94296250000002

and FIT601 = LT\_0.000288341

and FIT503 = LT\_0.6097366184999999

and FIT504 = LT\_0.21173492900000002

and FIT501 = LT\_0.801781585

and PIT503 = LT\_114.481865

and P101 = one

and P203 = one

and P205 = one

and P301 = two

and P401 = two

and P601 = one

and MV301 = one

and MV302 = two

and MV304 = one

and UV401 = two

and MV101 = one

and MV201 = one

and MV303 = one

and FIT101 = LT\_4.3850686549999995

and LIT101 = GT\_545.1423

and AIT202 = GT\_8.9337995

and AIT203 = GT\_235.8625945

and FIT201 = LT\_2.316278455

and DPIT301 = LT\_12.544016849999998

and FIT301 = LT\_1.7269319900000002

and LIT301 = GT\_1010.5982650000001

and FIT401 = GT\_0.79857865

and LIT401 = GT\_787.028992

and AIT501 = GT\_7.74131627

and AIT503 = LT\_1016.24585

and AIT504 = GT\_24.82055855

and FIT502 = GT\_0.3526962995

and PIT502 = LT\_2.8593855

and AIT201 = GT\_128.5087125 then one

If AIT402 = LT\_6.677774905

and AIT503 = LT\_1016.24585

and PIT502 = GT\_2.8593855

and AIT201 = GT\_128.5087125

and P101 = two then one

If LIT301 = GT\_1010.5982650000001

and AIT201 = GT\_128.5087125

and FIT504 = GT\_0.21173492900000002

and PIT503 = LT\_114.481865

and DPIT301 = LT\_12.544016849999998

and AIT504 = GT\_24.82055855

and FIT401 = GT\_0.79857865

and FIT503 = GT\_0.6097366184999999

and PIT501 = LT\_159.94296250000002

and P101 = one

and P203 = one

and P205 = one

and P301 = two

and P401 = two

and P601 = one

and MV301 = one

and MV302 = two

and MV304 = one

and UV401 = two

and MV101 = one

and MV201 = one

and MV303 = one

and FIT101 = LT\_4.3850686549999995

and LIT101 = GT\_545.1423

and AIT202 = GT\_8.9337995

and AIT203 = GT\_235.8625945

and FIT201 = LT\_2.316278455

and FIT301 = LT\_1.7269319900000002

and AIT402 = LT\_6.677774905

and LIT401 = GT\_787.028992

and AIT501 = GT\_7.74131627

and AIT502 = GT\_68.25173225

and AIT503 = LT\_1016.24585

and FIT501 = GT\_0.801781585

and FIT502 = GT\_0.3526962995

and PIT502 = LT\_2.8593855

and FIT601 = LT\_0.000288341 then one

Time taken to build model: 1.25 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 14213 94.7786 %

Incorrectly Classified Instances 772 5.148 %

Kappa statistic 0.7241

Mean absolute error 0.0515

Root mean squared error 0.227

Relative absolute error 23.0427 %

Root relative squared error 67.9195 %

UnClassified Instances 11 0.0734 %

Total Number of Instances 14996

=== Detailed Accuracy By Class ===

TP Rate FP Rate Precision Recall F-Measure MCC ROC Area PRC Area Class

0.999 0.394 0.945 0.999 0.971 0.751 0.803 0.945 zero

0.606 0.001 0.987 0.606 0.751 0.751 0.802 0.647 one

Weighted Avg. 0.948 0.344 0.951 0.948 0.943 0.751 0.803 0.907

=== Confusion Matrix ===

a b <-- classified as

13049 15 | a = zero

757 1164 | b = one