=== Run information ===

Scheme: weka.classifiers.trees.J48 -U -M 2

Relation: germandata decritize

Instances: 1000

Attributes: 21

checking

duration

credit history

purpose

credit amount

saving status

employment

installment-commitment

other parties

debtors

residence since

property magnitued

age

other installment

housing

existing credits

job

num-dependents

telephone

foreign worker

Class label

Test mode: evaluate on training data

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

J48 unpruned tree

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checking = A11

| foreign worker = A201

| | credit history = A34

| | | saving status = A65: good (3.0)

| | | saving status = A61

| | | | credit amount = A51

| | | | | debtors = A101

| | | | | | purpose = A43: good (4.0)

| | | | | | purpose = A46: good (0.0)

| | | | | | purpose = A42

| | | | | | | property magnitued = A121: bad (2.0)

| | | | | | | property magnitued = A122: good (6.0/1.0)

| | | | | | | property magnitued = A124: good (1.0)

| | | | | | | property magnitued = A123: good (1.0)

| | | | | | purpose = A40

| | | | | | | employment = A75

| | | | | | | | property magnitued = A121: good (3.0/1.0)

| | | | | | | | property magnitued = A122: bad (1.0)

| | | | | | | | property magnitued = A124: good (1.0)

| | | | | | | | property magnitued = A123: good (2.0/1.0)

| | | | | | | employment = A73: good (5.0)

| | | | | | | employment = A74: good (0.0)

| | | | | | | employment = A71: good (0.0)

| | | | | | | employment = A72: good (0.0)

| | | | | | purpose = A41: good (3.0)

| | | | | | purpose = A49: good (2.0)

| | | | | | purpose = A44: good (0.0)

| | | | | | purpose = A45: bad (1.0)

| | | | | | purpose = A410: good (1.0)

| | | | | | purpose = A48: good (0.0)

| | | | | debtors = A103: bad (1.0)

| | | | | debtors = A102: good (3.0/1.0)

| | | | credit amount = A52

| | | | | installment-commitment = A84: bad (4.0)

| | | | | installment-commitment = A82: good (3.0)

| | | | | installment-commitment = A83: bad (3.0/1.0)

| | | | | installment-commitment = A81: bad (0.0)

| | | | credit amount = A53: good (2.0/1.0)

| | | | credit amount = A54: good (0.0)

| | | saving status = A63: good (2.0/1.0)

| | | saving status = A64: good (2.0)

| | | saving status = A62: good (2.0)

| | credit history = A32

| | | debtors = A101

| | | | saving status = A65

| | | | | credit amount = A51

| | | | | | residence since = A114

| | | | | | | duration = a21: good (4.0)

| | | | | | | duration = a23: good (0.0)

| | | | | | | duration = a22

| | | | | | | | purpose = A43: bad (0.0)

| | | | | | | | purpose = A46: bad (1.0)

| | | | | | | | purpose = A42: bad (1.0)

| | | | | | | | purpose = A40: bad (2.0)

| | | | | | | | purpose = A41: good (2.0)

| | | | | | | | purpose = A49: bad (0.0)

| | | | | | | | purpose = A44: bad (0.0)

| | | | | | | | purpose = A45: bad (0.0)

| | | | | | | | purpose = A410: bad (0.0)

| | | | | | | | purpose = A48: bad (0.0)

| | | | | | | duration = a24: good (0.0)

| | | | | | residence since = A112: bad (4.0)

| | | | | | residence since = A113: good (1.0)

| | | | | | residence since = A111: bad (0.0)

| | | | | credit amount = A52: bad (4.0)

| | | | | credit amount = A53: bad (0.0)

| | | | | credit amount = A54: bad (0.0)

| | | | saving status = A61

| | | | | existing credits = A162: bad (4.0)

| | | | | existing credits = A161

| | | | | | purpose = A43

| | | | | | | duration = a21

| | | | | | | | telephone = A192: good (2.0)

| | | | | | | | telephone = A191

| | | | | | | | | property magnitued = A121

| | | | | | | | | | installment-commitment = A84: bad (3.0/1.0)

| | | | | | | | | | installment-commitment = A82: bad (1.0)

| | | | | | | | | | installment-commitment = A83: good (2.0)

| | | | | | | | | | installment-commitment = A81: good (0.0)

| | | | | | | | | property magnitued = A122: good (2.0/1.0)

| | | | | | | | | property magnitued = A124: good (0.0)

| | | | | | | | | property magnitued = A123: good (2.0)

| | | | | | | duration = a23: bad (3.0)

| | | | | | | duration = a22

| | | | | | | | employment = A75: good (2.0)

| | | | | | | | employment = A73

| | | | | | | | | housing = A152: good (2.0)

| | | | | | | | | housing = A153: good (0.0)

| | | | | | | | | housing = A151: bad (2.0)

| | | | | | | | employment = A74: bad (0.0)

| | | | | | | | employment = A71: bad (1.0)

| | | | | | | | employment = A72: bad (2.0)

| | | | | | | duration = a24: good (0.0)

| | | | | | purpose = A46: bad (5.0/1.0)

| | | | | | purpose = A42

| | | | | | | credit amount = A51

| | | | | | | | num-dependents = A181

| | | | | | | | | age = A134: good (0.0)

| | | | | | | | | age = A131

| | | | | | | | | | job = A173

| | | | | | | | | | | employment = A75: good (1.0)

| | | | | | | | | | | employment = A73

| | | | | | | | | | | | other parties = A93: good (5.0/1.0)

| | | | | | | | | | | | other parties = A92: bad (2.0)

| | | | | | | | | | | | other parties = A91: good (0.0)

| | | | | | | | | | | | other parties = A94: good (0.0)

| | | | | | | | | | | employment = A74: bad (1.0)

| | | | | | | | | | | employment = A71: bad (1.0)

| | | | | | | | | | | employment = A72: good (3.0)

| | | | | | | | | | job = A172: good (4.0/2.0)

| | | | | | | | | | job = A174: good (1.0)

| | | | | | | | | | job = A171: bad (1.0)

| | | | | | | | | age = A133: good (2.0)

| | | | | | | | | age = A132: good (3.0/1.0)

| | | | | | | | num-dependents = A184: bad (2.0)

| | | | | | | credit amount = A52: bad (2.0)

| | | | | | | credit amount = A53: good (0.0)

| | | | | | | credit amount = A54: good (0.0)

| | | | | | purpose = A40

| | | | | | | credit amount = A51

| | | | | | | | residence since = A114

| | | | | | | | | installment-commitment = A84: bad (3.0)

| | | | | | | | | installment-commitment = A82: good (2.0)

| | | | | | | | | installment-commitment = A83: good (1.0)

| | | | | | | | | installment-commitment = A81: good (2.0)

| | | | | | | | residence since = A112: bad (6.0)

| | | | | | | | residence since = A113

| | | | | | | | | property magnitued = A121: good (2.0)

| | | | | | | | | property magnitued = A122: bad (0.0)

| | | | | | | | | property magnitued = A124: bad (0.0)

| | | | | | | | | property magnitued = A123: bad (3.0)

| | | | | | | | residence since = A111: bad (3.0)

| | | | | | | credit amount = A52: bad (2.0)

| | | | | | | credit amount = A53: good (1.0)

| | | | | | | credit amount = A54: bad (1.0)

| | | | | | purpose = A41

| | | | | | | installment-commitment = A84: good (3.0)

| | | | | | | installment-commitment = A82: good (3.0/1.0)

| | | | | | | installment-commitment = A83: bad (1.0)

| | | | | | | installment-commitment = A81: good (0.0)

| | | | | | purpose = A49: good (3.0/1.0)

| | | | | | purpose = A44: bad (3.0/1.0)

| | | | | | purpose = A45: bad (1.0)

| | | | | | purpose = A410: bad (0.0)

| | | | | | purpose = A48: bad (1.0)

| | | | | existing credits = A163: bad (1.0)

| | | | | existing credits = A164: bad (0.0)

| | | | saving status = A63: good (3.0)

| | | | saving status = A64: good (4.0)

| | | | saving status = A62

| | | | | telephone = A192: good (4.0/1.0)

| | | | | telephone = A191: bad (4.0)

| | | debtors = A103: good (11.0/1.0)

| | | debtors = A102

| | | | purpose = A43: bad (0.0)

| | | | purpose = A46: bad (0.0)

| | | | purpose = A42: good (3.0/1.0)

| | | | purpose = A40: bad (2.0)

| | | | purpose = A41: bad (0.0)

| | | | purpose = A49: bad (1.0)

| | | | purpose = A44: bad (0.0)

| | | | purpose = A45: bad (0.0)

| | | | purpose = A410: good (1.0)

| | | | purpose = A48: bad (0.0)

| | credit history = A33

| | | duration = a21: good (4.0/1.0)

| | | duration = a23: bad (1.0)

| | | duration = a22: bad (6.0)

| | | duration = a24: bad (1.0)

| | credit history = A30

| | | existing credits = A162: bad (10.0/1.0)

| | | existing credits = A161: good (2.0/1.0)

| | | existing credits = A163: good (1.0)

| | | existing credits = A164: bad (0.0)

| | credit history = A31

| | | saving status = A65: bad (2.0)

| | | saving status = A61

| | | | job = A173: bad (9.0)

| | | | job = A172: bad (4.0/1.0)

| | | | job = A174: good (1.0)

| | | | job = A171: bad (1.0)

| | | saving status = A63: good (3.0/1.0)

| | | saving status = A64: bad (0.0)

| | | saving status = A62: good (1.0)

| foreign worker = A202

| | other parties = A93: good (8.0)

| | other parties = A92: good (4.0)

| | other parties = A91: bad (1.0)

| | other parties = A94: good (2.0/1.0)

checking = A12

| credit amount = A51

| | debtors = A101

| | | saving status = A65

| | | | other parties = A93: good (16.0)

| | | | other parties = A92

| | | | | duration = a21

| | | | | | job = A173: bad (3.0)

| | | | | | job = A172: good (2.0)

| | | | | | job = A174: bad (0.0)

| | | | | | job = A171: bad (0.0)

| | | | | duration = a23: good (0.0)

| | | | | duration = a22: good (5.0)

| | | | | duration = a24: good (0.0)

| | | | other parties = A91: good (0.0)

| | | | other parties = A94: good (3.0/1.0)

| | | saving status = A61

| | | | duration = a21

| | | | | existing credits = A162

| | | | | | housing = A152

| | | | | | | installment-commitment = A84: good (6.0)

| | | | | | | installment-commitment = A82

| | | | | | | | job = A173: good (2.0)

| | | | | | | | job = A172: good (2.0/1.0)

| | | | | | | | job = A174: bad (1.0)

| | | | | | | | job = A171: good (0.0)

| | | | | | | installment-commitment = A83: good (0.0)

| | | | | | | installment-commitment = A81: good (3.0)

| | | | | | housing = A153: good (0.0)

| | | | | | housing = A151: bad (3.0)

| | | | | existing credits = A161

| | | | | | property magnitued = A121: good (15.0/2.0)

| | | | | | property magnitued = A122

| | | | | | | employment = A75: good (2.0/1.0)

| | | | | | | employment = A73: bad (2.0)

| | | | | | | employment = A74: good (3.0)

| | | | | | | employment = A71: bad (1.0)

| | | | | | | employment = A72: good (1.0)

| | | | | | property magnitued = A124: bad (1.0)

| | | | | | property magnitued = A123

| | | | | | | other installment = A143

| | | | | | | | telephone = A192: good (6.0/1.0)

| | | | | | | | telephone = A191

| | | | | | | | | other parties = A93: bad (3.0/1.0)

| | | | | | | | | other parties = A92: bad (2.0)

| | | | | | | | | other parties = A91: good (1.0)

| | | | | | | | | other parties = A94: bad (1.0)

| | | | | | | other installment = A141: bad (3.0)

| | | | | | | other installment = A142: bad (1.0)

| | | | | existing credits = A163: good (4.0)

| | | | | existing credits = A164: good (0.0)

| | | | duration = a23: bad (2.0)

| | | | duration = a22

| | | | | job = A173

| | | | | | telephone = A192

| | | | | | | other parties = A93: bad (2.0)

| | | | | | | other parties = A92: good (3.0/1.0)

| | | | | | | other parties = A91: bad (2.0)

| | | | | | | other parties = A94: bad (1.0)

| | | | | | telephone = A191: good (7.0/1.0)

| | | | | job = A172

| | | | | | age = A134: bad (0.0)

| | | | | | age = A131: bad (5.0)

| | | | | | age = A133: good (1.0)

| | | | | | age = A132: bad (2.0)

| | | | | job = A174: bad (4.0)

| | | | | job = A171: bad (0.0)

| | | | duration = a24: good (0.0)

| | | saving status = A63

| | | | duration = a21: good (7.0/1.0)

| | | | duration = a23: good (0.0)

| | | | duration = a22: bad (3.0/1.0)

| | | | duration = a24: good (0.0)

| | | saving status = A64

| | | | purpose = A43: good (0.0)

| | | | purpose = A46: bad (2.0)

| | | | purpose = A42: good (4.0)

| | | | purpose = A40: good (3.0)

| | | | purpose = A41: good (0.0)

| | | | purpose = A49: good (2.0)

| | | | purpose = A44: good (0.0)

| | | | purpose = A45: bad (1.0)

| | | | purpose = A410: good (0.0)

| | | | purpose = A48: good (0.0)

| | | saving status = A62

| | | | other parties = A93

| | | | | num-dependents = A181

| | | | | | property magnitued = A121: good (1.0)

| | | | | | property magnitued = A122: good (2.0)

| | | | | | property magnitued = A124

| | | | | | | housing = A152: bad (2.0)

| | | | | | | housing = A153: good (2.0)

| | | | | | | housing = A151: good (0.0)

| | | | | | property magnitued = A123: good (6.0)

| | | | | num-dependents = A184: bad (2.0)

| | | | other parties = A92

| | | | | employment = A75: bad (0.0)

| | | | | employment = A73: bad (3.0/1.0)

| | | | | employment = A74: good (2.0)

| | | | | employment = A71: bad (0.0)

| | | | | employment = A72: bad (4.0)

| | | | other parties = A91: good (3.0/1.0)

| | | | other parties = A94: bad (2.0)

| | debtors = A103

| | | purpose = A43: good (20.0/1.0)

| | | purpose = A46: good (0.0)

| | | purpose = A42: good (0.0)

| | | purpose = A40: bad (2.0)

| | | purpose = A41: good (0.0)

| | | purpose = A49: good (0.0)

| | | purpose = A44: good (0.0)

| | | purpose = A45: good (1.0)

| | | purpose = A410: good (0.0)

| | | purpose = A48: good (0.0)

| | debtors = A102

| | | duration = a21: good (2.0)

| | | duration = a23: good (0.0)

| | | duration = a22: bad (2.0)

| | | duration = a24: good (0.0)

| credit amount = A52

| | saving status = A65: good (10.0/1.0)

| | saving status = A61

| | | duration = a21

| | | | credit history = A34: good (2.0)

| | | | credit history = A32: good (3.0)

| | | | credit history = A33: good (1.0)

| | | | credit history = A30: good (0.0)

| | | | credit history = A31: bad (1.0)

| | | duration = a23

| | | | other installment = A143: bad (5.0)

| | | | other installment = A141: good (2.0)

| | | | other installment = A142: bad (0.0)

| | | duration = a22

| | | | employment = A75: good (2.0/1.0)

| | | | employment = A73: good (3.0)

| | | | employment = A74: bad (1.0)

| | | | employment = A71: bad (1.0)

| | | | employment = A72: good (4.0)

| | | duration = a24: bad (1.0)

| | saving status = A63: good (1.0)

| | saving status = A64: good (1.0)

| | saving status = A62

| | | telephone = A192

| | | | job = A173: good (2.0)

| | | | job = A172: good (0.0)

| | | | job = A174

| | | | | housing = A152: bad (2.0)

| | | | | housing = A153: good (1.0)

| | | | | housing = A151: good (2.0/1.0)

| | | | job = A171: good (0.0)

| | | telephone = A191: bad (3.0)

| credit amount = A53

| | credit history = A34: bad (1.0)

| | credit history = A32: bad (9.0)

| | credit history = A33: good (2.0)

| | credit history = A30: good (1.0)

| | credit history = A31: good (1.0)

| credit amount = A54: bad (8.0)

checking = A14

| other installment = A143

| | credit history = A34

| | | credit amount = A51

| | | | saving status = A65: good (27.0)

| | | | saving status = A61: good (58.0)

| | | | saving status = A63: good (7.0)

| | | | saving status = A64: good (9.0)

| | | | saving status = A62

| | | | | residence since = A114: good (3.0)

| | | | | residence since = A112: bad (1.0)

| | | | | residence since = A113: good (4.0)

| | | | | residence since = A111: good (1.0)

| | | credit amount = A52: good (21.0/1.0)

| | | credit amount = A53: good (3.0/1.0)

| | | credit amount = A54: good (0.0)

| | credit history = A32

| | | existing credits = A162

| | | | residence since = A114: bad (2.0)

| | | | residence since = A112

| | | | | other parties = A93: good (6.0)

| | | | | other parties = A92: bad (3.0/1.0)

| | | | | other parties = A91: good (0.0)

| | | | | other parties = A94: good (1.0)

| | | | residence since = A113: good (2.0)

| | | | residence since = A111: bad (1.0)

| | | existing credits = A161

| | | | debtors = A101

| | | | | other parties = A93

| | | | | | residence since = A114: good (30.0)

| | | | | | residence since = A112

| | | | | | | purpose = A43: good (10.0/1.0)

| | | | | | | purpose = A46: bad (1.0)

| | | | | | | purpose = A42: good (3.0)

| | | | | | | purpose = A40: good (4.0)

| | | | | | | purpose = A41: good (5.0)

| | | | | | | purpose = A49: good (0.0)

| | | | | | | purpose = A44: good (0.0)

| | | | | | | purpose = A45: good (0.0)

| | | | | | | purpose = A410: good (0.0)

| | | | | | | purpose = A48: good (0.0)

| | | | | | residence since = A113: good (7.0)

| | | | | | residence since = A111: good (6.0)

| | | | | other parties = A92

| | | | | | purpose = A43: good (11.0)

| | | | | | purpose = A46: good (1.0)

| | | | | | purpose = A42

| | | | | | | property magnitued = A121: good (4.0)

| | | | | | | property magnitued = A122: good (3.0/1.0)

| | | | | | | property magnitued = A124: good (0.0)

| | | | | | | property magnitued = A123: bad (3.0/1.0)

| | | | | | purpose = A40

| | | | | | | residence since = A114: good (5.0)

| | | | | | | residence since = A112: bad (1.0)

| | | | | | | residence since = A113: good (3.0/1.0)

| | | | | | | residence since = A111: good (0.0)

| | | | | | purpose = A41: good (7.0)

| | | | | | purpose = A49: good (1.0)

| | | | | | purpose = A44: good (2.0)

| | | | | | purpose = A45: bad (1.0)

| | | | | | purpose = A410: good (0.0)

| | | | | | purpose = A48: good (1.0)

| | | | | other parties = A91: good (7.0)

| | | | | other parties = A94: good (15.0)

| | | | debtors = A103: good (4.0/1.0)

| | | | debtors = A102

| | | | | employment = A75: good (3.0)

| | | | | employment = A73: good (2.0)

| | | | | employment = A74: good (0.0)

| | | | | employment = A71: bad (1.0)

| | | | | employment = A72: bad (1.0)

| | | existing credits = A163: bad (1.0)

| | | existing credits = A164: good (1.0)

| | credit history = A33

| | | installment-commitment = A84

| | | | saving status = A65: good (3.0/1.0)

| | | | saving status = A61

| | | | | purpose = A43: good (2.0/1.0)

| | | | | purpose = A46: good (0.0)

| | | | | purpose = A42: bad (1.0)

| | | | | purpose = A40: good (3.0/1.0)

| | | | | purpose = A41: good (1.0)

| | | | | purpose = A49: bad (1.0)

| | | | | purpose = A44: good (0.0)

| | | | | purpose = A45: good (0.0)

| | | | | purpose = A410: good (0.0)

| | | | | purpose = A48: good (0.0)

| | | | saving status = A63: good (2.0)

| | | | saving status = A64: bad (1.0)

| | | | saving status = A62: good (1.0)

| | | installment-commitment = A82: good (8.0)

| | | installment-commitment = A83: good (5.0)

| | | installment-commitment = A81: good (4.0/1.0)

| | credit history = A30: good (4.0)

| | credit history = A31: good (1.0)

| other installment = A141

| | debtors = A101

| | | employment = A75

| | | | housing = A152

| | | | | purpose = A43: good (8.0/2.0)

| | | | | purpose = A46: good (2.0/1.0)

| | | | | purpose = A42: good (1.0)

| | | | | purpose = A40: bad (1.0)

| | | | | purpose = A41: good (0.0)

| | | | | purpose = A49: good (2.0)

| | | | | purpose = A44: good (0.0)

| | | | | purpose = A45: good (0.0)

| | | | | purpose = A410: good (0.0)

| | | | | purpose = A48: good (0.0)

| | | | housing = A153: good (4.0)

| | | | housing = A151: good (1.0)

| | | employment = A73

| | | | saving status = A65: bad (2.0)

| | | | saving status = A61

| | | | | installment-commitment = A84: good (3.0)

| | | | | installment-commitment = A82: bad (1.0)

| | | | | installment-commitment = A83: bad (1.0)

| | | | | installment-commitment = A81: good (2.0)

| | | | saving status = A63: bad (1.0)

| | | | saving status = A64: good (1.0)

| | | | saving status = A62: good (2.0/1.0)

| | | employment = A74: good (5.0/1.0)

| | | employment = A71: bad (2.0)

| | | employment = A72

| | | | credit history = A34: good (0.0)

| | | | credit history = A32: good (2.0)

| | | | credit history = A33: bad (2.0)

| | | | credit history = A30: good (0.0)

| | | | credit history = A31: good (0.0)

| | debtors = A103: good (1.0)

| | debtors = A102: good (2.0)

| other installment = A142

| | purpose = A43: good (4.0)

| | purpose = A46: bad (1.0)

| | purpose = A42: good (4.0)

| | purpose = A40: good (2.0/1.0)

| | purpose = A41: good (3.0)

| | purpose = A49

| | | residence since = A114: good (0.0)

| | | residence since = A112: bad (2.0)

| | | residence since = A113: good (0.0)

| | | residence since = A111: good (2.0)

| | purpose = A44: good (0.0)

| | purpose = A45: good (0.0)

| | purpose = A410: good (0.0)

| | purpose = A48: good (0.0)

checking = A13

| credit amount = A51

| | foreign worker = A201

| | | num-dependents = A181

| | | | property magnitued = A121

| | | | | job = A173

| | | | | | installment-commitment = A84: bad (3.0/1.0)

| | | | | | installment-commitment = A82: good (5.0)

| | | | | | installment-commitment = A83: good (2.0)

| | | | | | installment-commitment = A81: good (0.0)

| | | | | job = A172: bad (2.0)

| | | | | job = A174: good (2.0/1.0)

| | | | | job = A171: bad (1.0)

| | | | property magnitued = A122: good (10.0)

| | | | property magnitued = A124: good (6.0/1.0)

| | | | property magnitued = A123

| | | | | other parties = A93

| | | | | | employment = A75: good (3.0)

| | | | | | employment = A73: good (4.0/1.0)

| | | | | | employment = A74: good (1.0)

| | | | | | employment = A71: good (0.0)

| | | | | | employment = A72: bad (1.0)

| | | | | other parties = A92: good (7.0)

| | | | | other parties = A91: bad (1.0)

| | | | | other parties = A94: good (1.0)

| | | num-dependents = A184

| | | | property magnitued = A121: bad (2.0)

| | | | property magnitued = A122: good (1.0)

| | | | property magnitued = A124: bad (2.0)

| | | | property magnitued = A123: good (1.0)

| | foreign worker = A202: good (4.0)

| credit amount = A52: good (4.0)

| credit amount = A53: good (0.0)

| credit amount = A54: good (0.0)

Number of Leaves : 410

Size of the tree : 528

Time taken to build model: 0.02 seconds

=== Evaluation on training set ===

Time taken to test model on training data: 0 seconds

=== Summary ===

Correctly Classified Instances 935 93.5 %

Incorrectly Classified Instances 65 6.5 %

Kappa statistic 0.8389

Mean absolute error 0.0887

Root mean squared error 0.2106

Relative absolute error 21.1153 %

Root relative squared error 45.9602 %

Total Number of Instances 1000

=== Detailed Accuracy By Class ===

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

0.983 0.177 0.928 0.983 0.955 0.843 0.984 0.992 good

0.823 0.017 0.954 0.823 0.884 0.843 0.984 0.963 bad

Weighted Avg. 0.935 0.129 0.936 0.935 0.934 0.843 0.984 0.983

=== Confusion Matrix ===

a b <-- classified as

688 12 | a = good

53 247 | b = bad