Difference from out1: here we have adamoptimizer

Data used: alldata45\_USonly.txt -> us\_vs\_toefl\_45.csv

Epochs: 10

Rest of the params: default

\*\*\*Training is complete. Best accuracy 96.8813% at step 1260/1400

Test results:

Accuracy on test set - (2123/2209) -> accuracy: 96.1068%

Class native : (1079/1126) -> accuracy: 95.8259%

Class non-native : (1044/1083) -> accuracy: 96.3989%

Time: 3.3 hours

Entering function \_\_main\_\_

Entering function train\_cnn\_rnn

Entering function load\_data

The sentences length (after padding) will be 1089(length of the longest sentence)

Leaving function load\_data

x\_train: 17891, x\_dev: 1988, x\_test: 2209

y\_train: 17891, y\_dev: 1988, y\_test: 2209

\*\*\*There will be 1400 steps total

STEP 1 - (994/1988) -> accuracy: 50.0000%

INFO:root: Saved model checkpoints\_temp/model-1 at step 1

INFO:root: Best accuracy 50.0000% at step 1 (994/1988)

STEP 2 - (1019/1988) -> accuracy: 51.2575%

INFO:root: Saved model checkpoints\_temp/model-2 at step 2

INFO:root: Best accuracy 51.2575% at step 2 (1019/1988)

STEP 3 - (1018/1988) -> accuracy: 51.2072%

STEP 4 - (1009/1988) -> accuracy: 50.7545%

STEP 5 - (1000/1988) -> accuracy: 50.3018%

STEP 6 - (1002/1988) -> accuracy: 50.4024%

STEP 7 - (995/1988) -> accuracy: 50.0503%

STEP 8 - (1017/1988) -> accuracy: 51.1569%

STEP 9 - (1077/1988) -> accuracy: 54.1751%

INFO:root: Saved model checkpoints\_temp/model-9 at step 9

INFO:root: Best accuracy 54.1751% at step 9 (1077/1988)

STEP 10 - (1085/1988) -> accuracy: 54.5775%

INFO:root: Saved model checkpoints\_temp/model-10 at step 10

INFO:root: Best accuracy 54.5775% at step 10 (1085/1988)

STEP 11 - (1076/1988) -> accuracy: 54.1247%

STEP 12 - (1086/1988) -> accuracy: 54.6278%

INFO:root: Saved model checkpoints\_temp/model-12 at step 12

INFO:root: Best accuracy 54.6278% at step 12 (1086/1988)

STEP 13 - (1091/1988) -> accuracy: 54.8793%

INFO:root: Saved model checkpoints\_temp/model-13 at step 13

INFO:root: Best accuracy 54.8793% at step 13 (1091/1988)

STEP 14 - (1094/1988) -> accuracy: 55.0302%

INFO:root: Saved model checkpoints\_temp/model-14 at step 14

INFO:root: Best accuracy 55.0302% at step 14 (1094/1988)

STEP 15 - (1097/1988) -> accuracy: 55.1811%

INFO:root: Saved model checkpoints\_temp/model-15 at step 15

INFO:root: Best accuracy 55.1811% at step 15 (1097/1988)

STEP 16 - (1076/1988) -> accuracy: 54.1247%

STEP 17 - (1015/1988) -> accuracy: 51.0563%

STEP 18 - (1005/1988) -> accuracy: 50.5533%

STEP 19 - (1016/1988) -> accuracy: 51.1066%

STEP 20 - (1041/1988) -> accuracy: 52.3642%

STEP 21 - (1155/1988) -> accuracy: 58.0986%

INFO:root: Saved model checkpoints\_temp/model-21 at step 21

INFO:root: Best accuracy 58.0986% at step 21 (1155/1988)

STEP 22 - (1172/1988) -> accuracy: 58.9537%

INFO:root: Saved model checkpoints\_temp/model-22 at step 22

INFO:root: Best accuracy 58.9537% at step 22 (1172/1988)

STEP 23 - (1192/1988) -> accuracy: 59.9598%

INFO:root: Saved model checkpoints\_temp/model-23 at step 23

INFO:root: Best accuracy 59.9598% at step 23 (1192/1988)

STEP 24 - (1176/1988) -> accuracy: 59.1549%

STEP 25 - (1106/1988) -> accuracy: 55.6338%

STEP 26 - (1121/1988) -> accuracy: 56.3883%

STEP 27 - (1119/1988) -> accuracy: 56.2877%

STEP 28 - (1155/1988) -> accuracy: 58.0986%

STEP 29 - (1163/1988) -> accuracy: 58.5010%

STEP 30 - (1083/1988) -> accuracy: 54.4769%

STEP 31 - (1055/1988) -> accuracy: 53.0684%

STEP 32 - (1034/1988) -> accuracy: 52.0121%

STEP 33 - (1206/1988) -> accuracy: 60.6640%

INFO:root: Saved model checkpoints\_temp/model-33 at step 33

INFO:root: Best accuracy 60.6640% at step 33 (1206/1988)

STEP 34 - (1230/1988) -> accuracy: 61.8712%

INFO:root: Saved model checkpoints\_temp/model-34 at step 34

INFO:root: Best accuracy 61.8712% at step 34 (1230/1988)

STEP 35 - (1290/1988) -> accuracy: 64.8893%

INFO:root: Saved model checkpoints\_temp/model-35 at step 35

INFO:root: Best accuracy 64.8893% at step 35 (1290/1988)

STEP 36 - (1202/1988) -> accuracy: 60.4628%

STEP 37 - (1271/1988) -> accuracy: 63.9336%

STEP 38 - (1272/1988) -> accuracy: 63.9839%

STEP 39 - (1190/1988) -> accuracy: 59.8592%

STEP 40 - (1295/1988) -> accuracy: 65.1408%

INFO:root: Saved model checkpoints\_temp/model-40 at step 40

INFO:root: Best accuracy 65.1408% at step 40 (1295/1988)

STEP 41 - (1259/1988) -> accuracy: 63.3300%

STEP 42 - (1272/1988) -> accuracy: 63.9839%

STEP 43 - (1297/1988) -> accuracy: 65.2414%

INFO:root: Saved model checkpoints\_temp/model-43 at step 43

INFO:root: Best accuracy 65.2414% at step 43 (1297/1988)

STEP 44 - (1278/1988) -> accuracy: 64.2857%

STEP 45 - (1054/1988) -> accuracy: 53.0181%

STEP 46 - (1269/1988) -> accuracy: 63.8330%

STEP 47 - (1259/1988) -> accuracy: 63.3300%

STEP 48 - (1302/1988) -> accuracy: 65.4930%

INFO:root: Saved model checkpoints\_temp/model-48 at step 48

INFO:root: Best accuracy 65.4930% at step 48 (1302/1988)

STEP 49 - (1305/1988) -> accuracy: 65.6439%

INFO:root: Saved model checkpoints\_temp/model-49 at step 49

INFO:root: Best accuracy 65.6439% at step 49 (1305/1988)

STEP 50 - (1325/1988) -> accuracy: 66.6499%

INFO:root: Saved model checkpoints\_temp/model-50 at step 50

INFO:root: Best accuracy 66.6499% at step 50 (1325/1988)

STEP 51 - (1305/1988) -> accuracy: 65.6439%

STEP 52 - (1395/1988) -> accuracy: 70.1710%

INFO:root: Saved model checkpoints\_temp/model-52 at step 52

INFO:root: Best accuracy 70.1710% at step 52 (1395/1988)

STEP 53 - (1367/1988) -> accuracy: 68.7626%

STEP 54 - (1094/1988) -> accuracy: 55.0302%

STEP 55 - (1316/1988) -> accuracy: 66.1972%

STEP 56 - (1420/1988) -> accuracy: 71.4286%

INFO:root: Saved model checkpoints\_temp/model-56 at step 56

INFO:root: Best accuracy 71.4286% at step 56 (1420/1988)

STEP 57 - (1221/1988) -> accuracy: 61.4185%

STEP 58 - (1196/1988) -> accuracy: 60.1610%

STEP 59 - (1138/1988) -> accuracy: 57.2435%

STEP 60 - (1246/1988) -> accuracy: 62.6761%

STEP 61 - (1125/1988) -> accuracy: 56.5895%

STEP 62 - (1378/1988) -> accuracy: 69.3159%

STEP 63 - (1186/1988) -> accuracy: 59.6579%

STEP 64 - (1149/1988) -> accuracy: 57.7968%

STEP 65 - (1407/1988) -> accuracy: 70.7746%

STEP 66 - (1085/1988) -> accuracy: 54.5775%

STEP 67 - (1022/1988) -> accuracy: 51.4085%

STEP 68 - (1056/1988) -> accuracy: 53.1187%

STEP 69 - (1014/1988) -> accuracy: 51.0060%

STEP 70 - (1290/1988) -> accuracy: 64.8893%

STEP 71 - (1354/1988) -> accuracy: 68.1087%

STEP 72 - (1377/1988) -> accuracy: 69.2656%

STEP 73 - (1422/1988) -> accuracy: 71.5292%

INFO:root: Saved model checkpoints\_temp/model-73 at step 73

INFO:root: Best accuracy 71.5292% at step 73 (1422/1988)

STEP 74 - (1423/1988) -> accuracy: 71.5795%

INFO:root: Saved model checkpoints\_temp/model-74 at step 74

INFO:root: Best accuracy 71.5795% at step 74 (1423/1988)

STEP 75 - (1052/1988) -> accuracy: 52.9175%

STEP 76 - (1037/1988) -> accuracy: 52.1630%

STEP 77 - (1035/1988) -> accuracy: 52.0624%

STEP 78 - (993/1988) -> accuracy: 49.9497%

STEP 79 - (997/1988) -> accuracy: 50.1509%

STEP 80 - (991/1988) -> accuracy: 49.8491%

STEP 81 - (1042/1988) -> accuracy: 52.4145%

STEP 82 - (1088/1988) -> accuracy: 54.7284%

STEP 83 - (1366/1988) -> accuracy: 68.7123%

STEP 84 - (1146/1988) -> accuracy: 57.6459%

STEP 85 - (1313/1988) -> accuracy: 66.0463%

STEP 86 - (1375/1988) -> accuracy: 69.1650%

STEP 87 - (1200/1988) -> accuracy: 60.3622%

STEP 88 - (1392/1988) -> accuracy: 70.0201%

STEP 89 - (1013/1988) -> accuracy: 50.9557%

STEP 90 - (991/1988) -> accuracy: 49.8491%

STEP 91 - (998/1988) -> accuracy: 50.2012%

STEP 92 - (991/1988) -> accuracy: 49.8491%

STEP 93 - (998/1988) -> accuracy: 50.2012%

STEP 94 - (1016/1988) -> accuracy: 51.1066%

STEP 95 - (1039/1988) -> accuracy: 52.2636%

STEP 96 - (1045/1988) -> accuracy: 52.5654%

STEP 97 - (1487/1988) -> accuracy: 74.7988%

INFO:root: Saved model checkpoints\_temp/model-97 at step 97

INFO:root: Best accuracy 74.7988% at step 97 (1487/1988)

STEP 98 - (1163/1988) -> accuracy: 58.5010%

STEP 99 - (1180/1988) -> accuracy: 59.3561%

STEP 100 - (1104/1988) -> accuracy: 55.5332%

STEP 101 - (1023/1988) -> accuracy: 51.4588%

STEP 102 - (1007/1988) -> accuracy: 50.6539%

STEP 103 - (997/1988) -> accuracy: 50.1509%

STEP 104 - (1225/1988) -> accuracy: 61.6197%

STEP 105 - (1060/1988) -> accuracy: 53.3199%

STEP 106 - (1013/1988) -> accuracy: 50.9557%

STEP 107 - (1032/1988) -> accuracy: 51.9115%

STEP 108 - (1014/1988) -> accuracy: 51.0060%

STEP 109 - (1347/1988) -> accuracy: 67.7565%

STEP 110 - (1116/1988) -> accuracy: 56.1368%

STEP 111 - (1357/1988) -> accuracy: 68.2596%

STEP 112 - (1102/1988) -> accuracy: 55.4326%

STEP 113 - (1056/1988) -> accuracy: 53.1187%

STEP 114 - (1272/1988) -> accuracy: 63.9839%

STEP 115 - (1153/1988) -> accuracy: 57.9980%

STEP 116 - (1060/1988) -> accuracy: 53.3199%

STEP 117 - (1214/1988) -> accuracy: 61.0664%

STEP 118 - (1225/1988) -> accuracy: 61.6197%

STEP 119 - (1576/1988) -> accuracy: 79.2757%

INFO:root: Saved model checkpoints\_temp/model-119 at step 119

INFO:root: Best accuracy 79.2757% at step 119 (1576/1988)

STEP 120 - (1177/1988) -> accuracy: 59.2052%

STEP 121 - (1002/1988) -> accuracy: 50.4024%

STEP 122 - (1000/1988) -> accuracy: 50.3018%

STEP 123 - (1283/1988) -> accuracy: 64.5372%

STEP 124 - (1491/1988) -> accuracy: 75.0000%

STEP 125 - (1529/1988) -> accuracy: 76.9115%

STEP 126 - (1580/1988) -> accuracy: 79.4769%

INFO:root: Saved model checkpoints\_temp/model-126 at step 126

INFO:root: Best accuracy 79.4769% at step 126 (1580/1988)

STEP 127 - (1509/1988) -> accuracy: 75.9054%

STEP 128 - (1382/1988) -> accuracy: 69.5171%

STEP 129 - (1076/1988) -> accuracy: 54.1247%

STEP 130 - (1065/1988) -> accuracy: 53.5714%

STEP 131 - (1034/1988) -> accuracy: 52.0121%

STEP 132 - (1032/1988) -> accuracy: 51.9115%

STEP 133 - (1314/1988) -> accuracy: 66.0966%

STEP 134 - (1613/1988) -> accuracy: 81.1368%

INFO:root: Saved model checkpoints\_temp/model-134 at step 134

INFO:root: Best accuracy 81.1368% at step 134 (1613/1988)

STEP 135 - (1604/1988) -> accuracy: 80.6841%

STEP 136 - (1523/1988) -> accuracy: 76.6097%

STEP 137 - (1616/1988) -> accuracy: 81.2877%

INFO:root: Saved model checkpoints\_temp/model-137 at step 137

INFO:root: Best accuracy 81.2877% at step 137 (1616/1988)

STEP 138 - (1432/1988) -> accuracy: 72.0322%

STEP 139 - (1202/1988) -> accuracy: 60.4628%

STEP 140 - (1189/1988) -> accuracy: 59.8089%

STEP 141 - (1086/1988) -> accuracy: 54.6278%

STEP 142 - (1209/1988) -> accuracy: 60.8149%

STEP 143 - (1301/1988) -> accuracy: 65.4427%

STEP 144 - (1576/1988) -> accuracy: 79.2757%

STEP 145 - (1472/1988) -> accuracy: 74.0443%

STEP 146 - (1200/1988) -> accuracy: 60.3622%

STEP 147 - (1161/1988) -> accuracy: 58.4004%

STEP 148 - (1271/1988) -> accuracy: 63.9336%

STEP 149 - (1244/1988) -> accuracy: 62.5755%

STEP 150 - (1435/1988) -> accuracy: 72.1831%

STEP 151 - (1654/1988) -> accuracy: 83.1992%

INFO:root: Saved model checkpoints\_temp/model-151 at step 151

INFO:root: Best accuracy 83.1992% at step 151 (1654/1988)

STEP 152 - (1659/1988) -> accuracy: 83.4507%

INFO:root: Saved model checkpoints\_temp/model-152 at step 152

INFO:root: Best accuracy 83.4507% at step 152 (1659/1988)

STEP 153 - (1631/1988) -> accuracy: 82.0423%

STEP 154 - (1454/1988) -> accuracy: 73.1388%

STEP 155 - (1283/1988) -> accuracy: 64.5372%

STEP 156 - (1161/1988) -> accuracy: 58.4004%

STEP 157 - (1649/1988) -> accuracy: 82.9477%

STEP 158 - (1697/1988) -> accuracy: 85.3622%

INFO:root: Saved model checkpoints\_temp/model-158 at step 158

INFO:root: Best accuracy 85.3622% at step 158 (1697/1988)

STEP 159 - (1702/1988) -> accuracy: 85.6137%

INFO:root: Saved model checkpoints\_temp/model-159 at step 159

INFO:root: Best accuracy 85.6137% at step 159 (1702/1988)

STEP 160 - (1647/1988) -> accuracy: 82.8471%

STEP 161 - (1500/1988) -> accuracy: 75.4527%

STEP 162 - (1358/1988) -> accuracy: 68.3099%

STEP 163 - (1430/1988) -> accuracy: 71.9316%

STEP 164 - (1542/1988) -> accuracy: 77.5654%

STEP 165 - (1601/1988) -> accuracy: 80.5332%

STEP 166 - (1662/1988) -> accuracy: 83.6016%

STEP 167 - (1613/1988) -> accuracy: 81.1368%

STEP 168 - (1415/1988) -> accuracy: 71.1771%

STEP 169 - (1186/1988) -> accuracy: 59.6579%

STEP 170 - (1562/1988) -> accuracy: 78.5714%

STEP 171 - (1708/1988) -> accuracy: 85.9155%

INFO:root: Saved model checkpoints\_temp/model-171 at step 171

INFO:root: Best accuracy 85.9155% at step 171 (1708/1988)

STEP 172 - (1733/1988) -> accuracy: 87.1730%

INFO:root: Saved model checkpoints\_temp/model-172 at step 172

INFO:root: Best accuracy 87.1730% at step 172 (1733/1988)

STEP 173 - (1722/1988) -> accuracy: 86.6197%

STEP 174 - (1730/1988) -> accuracy: 87.0221%

STEP 175 - (1754/1988) -> accuracy: 88.2294%

INFO:root: Saved model checkpoints\_temp/model-175 at step 175

INFO:root: Best accuracy 88.2294% at step 175 (1754/1988)

STEP 176 - (1632/1988) -> accuracy: 82.0926%

STEP 177 - (1276/1988) -> accuracy: 64.1851%

STEP 178 - (1525/1988) -> accuracy: 76.7103%

STEP 179 - (1638/1988) -> accuracy: 82.3944%

STEP 180 - (1753/1988) -> accuracy: 88.1791%

STEP 181 - (1741/1988) -> accuracy: 87.5755%

STEP 182 - (1686/1988) -> accuracy: 84.8089%

STEP 183 - (1651/1988) -> accuracy: 83.0483%

STEP 184 - (1617/1988) -> accuracy: 81.3380%

STEP 185 - (1647/1988) -> accuracy: 82.8471%

STEP 186 - (1586/1988) -> accuracy: 79.7787%

STEP 187 - (1591/1988) -> accuracy: 80.0302%

STEP 188 - (1775/1988) -> accuracy: 89.2857%

INFO:root: Saved model checkpoints\_temp/model-188 at step 188

INFO:root: Best accuracy 89.2857% at step 188 (1775/1988)

STEP 189 - (1780/1988) -> accuracy: 89.5372%

INFO:root: Saved model checkpoints\_temp/model-189 at step 189

INFO:root: Best accuracy 89.5372% at step 189 (1780/1988)

STEP 190 - (1781/1988) -> accuracy: 89.5875%

INFO:root: Saved model checkpoints\_temp/model-190 at step 190

INFO:root: Best accuracy 89.5875% at step 190 (1781/1988)

STEP 191 - (1728/1988) -> accuracy: 86.9215%

STEP 192 - (1528/1988) -> accuracy: 76.8612%

STEP 193 - (1381/1988) -> accuracy: 69.4668%

STEP 194 - (1702/1988) -> accuracy: 85.6137%

STEP 195 - (1698/1988) -> accuracy: 85.4125%

STEP 196 - (1763/1988) -> accuracy: 88.6821%

STEP 197 - (1746/1988) -> accuracy: 87.8270%

STEP 198 - (1800/1988) -> accuracy: 90.5433%

INFO:root: Saved model checkpoints\_temp/model-198 at step 198

INFO:root: Best accuracy 90.5433% at step 198 (1800/1988)

STEP 199 - (1789/1988) -> accuracy: 89.9899%

STEP 200 - (1731/1988) -> accuracy: 87.0724%

Class native : (954/991) -> accuracy: 96.2664%

Class non-native : (777/997) -> accuracy: 77.9338%

STEP 201 - (1602/1988) -> accuracy: 80.5835%

STEP 202 - (1689/1988) -> accuracy: 84.9598%

STEP 203 - (1632/1988) -> accuracy: 82.0926%

STEP 204 - (1661/1988) -> accuracy: 83.5513%

STEP 205 - (1755/1988) -> accuracy: 88.2797%

STEP 206 - (1775/1988) -> accuracy: 89.2857%

STEP 207 - (1799/1988) -> accuracy: 90.4930%

STEP 208 - (1778/1988) -> accuracy: 89.4366%

STEP 209 - (1789/1988) -> accuracy: 89.9899%

STEP 210 - (1792/1988) -> accuracy: 90.1408%

STEP 211 - (1757/1988) -> accuracy: 88.3803%

STEP 212 - (1805/1988) -> accuracy: 90.7948%

INFO:root: Saved model checkpoints\_temp/model-212 at step 212

INFO:root: Best accuracy 90.7948% at step 212 (1805/1988)

STEP 213 - (1820/1988) -> accuracy: 91.5493%

INFO:root: Saved model checkpoints\_temp/model-213 at step 213

INFO:root: Best accuracy 91.5493% at step 213 (1820/1988)

STEP 214 - (1736/1988) -> accuracy: 87.3239%

STEP 215 - (1404/1988) -> accuracy: 70.6237%

STEP 216 - (1535/1988) -> accuracy: 77.2133%

STEP 217 - (1798/1988) -> accuracy: 90.4427%

STEP 218 - (1806/1988) -> accuracy: 90.8451%

STEP 219 - (1817/1988) -> accuracy: 91.3984%

STEP 220 - (1812/1988) -> accuracy: 91.1469%

STEP 221 - (1822/1988) -> accuracy: 91.6499%

INFO:root: Saved model checkpoints\_temp/model-221 at step 221

INFO:root: Best accuracy 91.6499% at step 221 (1822/1988)

STEP 222 - (1818/1988) -> accuracy: 91.4487%

STEP 223 - (1728/1988) -> accuracy: 86.9215%

STEP 224 - (1618/1988) -> accuracy: 81.3883%

STEP 225 - (1594/1988) -> accuracy: 80.1811%

STEP 226 - (1811/1988) -> accuracy: 91.0966%

STEP 227 - (1810/1988) -> accuracy: 91.0463%

STEP 228 - (1807/1988) -> accuracy: 90.8954%

STEP 229 - (1707/1988) -> accuracy: 85.8652%

STEP 230 - (1682/1988) -> accuracy: 84.6076%

STEP 231 - (1785/1988) -> accuracy: 89.7887%

STEP 232 - (1823/1988) -> accuracy: 91.7002%

INFO:root: Saved model checkpoints\_temp/model-232 at step 232

INFO:root: Best accuracy 91.7002% at step 232 (1823/1988)

STEP 233 - (1820/1988) -> accuracy: 91.5493%

STEP 234 - (1740/1988) -> accuracy: 87.5252%

STEP 235 - (1732/1988) -> accuracy: 87.1227%

STEP 236 - (1801/1988) -> accuracy: 90.5936%

STEP 237 - (1789/1988) -> accuracy: 89.9899%

STEP 238 - (1702/1988) -> accuracy: 85.6137%

STEP 239 - (1691/1988) -> accuracy: 85.0604%

STEP 240 - (1654/1988) -> accuracy: 83.1992%

STEP 241 - (1806/1988) -> accuracy: 90.8451%

STEP 242 - (1819/1988) -> accuracy: 91.4990%

STEP 243 - (1819/1988) -> accuracy: 91.4990%

STEP 244 - (1828/1988) -> accuracy: 91.9517%

INFO:root: Saved model checkpoints\_temp/model-244 at step 244

INFO:root: Best accuracy 91.9517% at step 244 (1828/1988)

STEP 245 - (1821/1988) -> accuracy: 91.5996%

STEP 246 - (1783/1988) -> accuracy: 89.6881%

STEP 247 - (1776/1988) -> accuracy: 89.3360%

STEP 248 - (1759/1988) -> accuracy: 88.4809%

STEP 249 - (1717/1988) -> accuracy: 86.3682%

STEP 250 - (1711/1988) -> accuracy: 86.0664%

STEP 251 - (1794/1988) -> accuracy: 90.2414%

STEP 252 - (1772/1988) -> accuracy: 89.1348%

STEP 253 - (1822/1988) -> accuracy: 91.6499%

STEP 254 - (1804/1988) -> accuracy: 90.7445%

STEP 255 - (1744/1988) -> accuracy: 87.7264%

STEP 256 - (1739/1988) -> accuracy: 87.4748%

STEP 257 - (1753/1988) -> accuracy: 88.1791%

STEP 258 - (1821/1988) -> accuracy: 91.5996%

STEP 259 - (1828/1988) -> accuracy: 91.9517%

STEP 260 - (1784/1988) -> accuracy: 89.7384%

STEP 261 - (1804/1988) -> accuracy: 90.7445%

STEP 262 - (1823/1988) -> accuracy: 91.7002%

STEP 263 - (1830/1988) -> accuracy: 92.0523%

INFO:root: Saved model checkpoints\_temp/model-263 at step 263

INFO:root: Best accuracy 92.0523% at step 263 (1830/1988)

STEP 264 - (1827/1988) -> accuracy: 91.9014%

STEP 265 - (1812/1988) -> accuracy: 91.1469%

STEP 266 - (1746/1988) -> accuracy: 87.8270%

STEP 267 - (1667/1988) -> accuracy: 83.8531%

STEP 268 - (1761/1988) -> accuracy: 88.5815%

STEP 269 - (1842/1988) -> accuracy: 92.6559%

INFO:root: Saved model checkpoints\_temp/model-269 at step 269

INFO:root: Best accuracy 92.6559% at step 269 (1842/1988)

STEP 270 - (1832/1988) -> accuracy: 92.1529%

STEP 271 - (1824/1988) -> accuracy: 91.7505%

STEP 272 - (1846/1988) -> accuracy: 92.8571%

INFO:root: Saved model checkpoints\_temp/model-272 at step 272

INFO:root: Best accuracy 92.8571% at step 272 (1846/1988)

STEP 273 - (1849/1988) -> accuracy: 93.0080%

INFO:root: Saved model checkpoints\_temp/model-273 at step 273

INFO:root: Best accuracy 93.0080% at step 273 (1849/1988)

STEP 274 - (1837/1988) -> accuracy: 92.4044%

STEP 275 - (1831/1988) -> accuracy: 92.1026%

STEP 276 - (1742/1988) -> accuracy: 87.6258%

STEP 277 - (1516/1988) -> accuracy: 76.2575%

STEP 278 - (1721/1988) -> accuracy: 86.5694%

STEP 279 - (1834/1988) -> accuracy: 92.2535%

STEP 280 - (1844/1988) -> accuracy: 92.7565%

STEP 281 - (1838/1988) -> accuracy: 92.4547%

STEP 282 - (1830/1988) -> accuracy: 92.0523%

STEP 283 - (1841/1988) -> accuracy: 92.6056%

STEP 284 - (1847/1988) -> accuracy: 92.9074%

STEP 285 - (1832/1988) -> accuracy: 92.1529%

STEP 286 - (1832/1988) -> accuracy: 92.1529%

STEP 287 - (1833/1988) -> accuracy: 92.2032%

STEP 288 - (1832/1988) -> accuracy: 92.1529%

STEP 289 - (1827/1988) -> accuracy: 91.9014%

STEP 290 - (1842/1988) -> accuracy: 92.6559%

STEP 291 - (1825/1988) -> accuracy: 91.8008%

STEP 292 - (1842/1988) -> accuracy: 92.6559%

STEP 293 - (1827/1988) -> accuracy: 91.9014%

STEP 294 - (1829/1988) -> accuracy: 92.0020%

STEP 295 - (1724/1988) -> accuracy: 86.7203%

STEP 296 - (1599/1988) -> accuracy: 80.4326%

STEP 297 - (1819/1988) -> accuracy: 91.4990%

STEP 298 - (1841/1988) -> accuracy: 92.6056%

STEP 299 - (1796/1988) -> accuracy: 90.3421%

STEP 300 - (1837/1988) -> accuracy: 92.4044%

STEP 301 - (1838/1988) -> accuracy: 92.4547%

STEP 302 - (1785/1988) -> accuracy: 89.7887%

STEP 303 - (1723/1988) -> accuracy: 86.6700%

STEP 304 - (1830/1988) -> accuracy: 92.0523%

STEP 305 - (1770/1988) -> accuracy: 89.0342%

STEP 306 - (1804/1988) -> accuracy: 90.7445%

STEP 307 - (1803/1988) -> accuracy: 90.6942%

STEP 308 - (1843/1988) -> accuracy: 92.7062%

STEP 309 - (1841/1988) -> accuracy: 92.6056%

STEP 310 - (1833/1988) -> accuracy: 92.2032%

STEP 311 - (1778/1988) -> accuracy: 89.4366%

STEP 312 - (1796/1988) -> accuracy: 90.3421%

STEP 313 - (1851/1988) -> accuracy: 93.1087%

INFO:root: Saved model checkpoints\_temp/model-313 at step 313

INFO:root: Best accuracy 93.1087% at step 313 (1851/1988)

STEP 314 - (1850/1988) -> accuracy: 93.0584%

STEP 315 - (1847/1988) -> accuracy: 92.9074%

STEP 316 - (1756/1988) -> accuracy: 88.3300%

STEP 317 - (1771/1988) -> accuracy: 89.0845%

STEP 318 - (1822/1988) -> accuracy: 91.6499%

STEP 319 - (1832/1988) -> accuracy: 92.1529%

STEP 320 - (1821/1988) -> accuracy: 91.5996%

STEP 321 - (1854/1988) -> accuracy: 93.2596%

INFO:root: Saved model checkpoints\_temp/model-321 at step 321

INFO:root: Best accuracy 93.2596% at step 321 (1854/1988)

STEP 322 - (1848/1988) -> accuracy: 92.9577%

STEP 323 - (1845/1988) -> accuracy: 92.8068%

STEP 324 - (1820/1988) -> accuracy: 91.5493%

STEP 325 - (1839/1988) -> accuracy: 92.5050%

STEP 326 - (1832/1988) -> accuracy: 92.1529%

STEP 327 - (1824/1988) -> accuracy: 91.7505%

STEP 328 - (1849/1988) -> accuracy: 93.0080%

STEP 329 - (1850/1988) -> accuracy: 93.0584%

STEP 330 - (1856/1988) -> accuracy: 93.3602%

INFO:root: Saved model checkpoints\_temp/model-330 at step 330

INFO:root: Best accuracy 93.3602% at step 330 (1856/1988)

STEP 331 - (1773/1988) -> accuracy: 89.1851%

STEP 332 - (1641/1988) -> accuracy: 82.5453%

STEP 333 - (1818/1988) -> accuracy: 91.4487%

STEP 334 - (1834/1988) -> accuracy: 92.2535%

STEP 335 - (1845/1988) -> accuracy: 92.8068%

STEP 336 - (1848/1988) -> accuracy: 92.9577%

STEP 337 - (1846/1988) -> accuracy: 92.8571%

STEP 338 - (1851/1988) -> accuracy: 93.1087%

STEP 339 - (1856/1988) -> accuracy: 93.3602%

STEP 340 - (1835/1988) -> accuracy: 92.3038%

STEP 341 - (1854/1988) -> accuracy: 93.2596%

STEP 342 - (1845/1988) -> accuracy: 92.8068%

STEP 343 - (1772/1988) -> accuracy: 89.1348%

STEP 344 - (1775/1988) -> accuracy: 89.2857%

STEP 345 - (1841/1988) -> accuracy: 92.6056%

STEP 346 - (1844/1988) -> accuracy: 92.7565%

STEP 347 - (1853/1988) -> accuracy: 93.2093%

STEP 348 - (1850/1988) -> accuracy: 93.0584%

STEP 349 - (1852/1988) -> accuracy: 93.1590%

STEP 350 - (1821/1988) -> accuracy: 91.5996%

STEP 351 - (1854/1988) -> accuracy: 93.2596%

STEP 352 - (1856/1988) -> accuracy: 93.3602%

STEP 353 - (1786/1988) -> accuracy: 89.8390%

STEP 354 - (1818/1988) -> accuracy: 91.4487%

STEP 355 - (1792/1988) -> accuracy: 90.1408%

STEP 356 - (1802/1988) -> accuracy: 90.6439%

STEP 357 - (1837/1988) -> accuracy: 92.4044%

STEP 358 - (1860/1988) -> accuracy: 93.5614%

INFO:root: Saved model checkpoints\_temp/model-358 at step 358

INFO:root: Best accuracy 93.5614% at step 358 (1860/1988)

STEP 359 - (1857/1988) -> accuracy: 93.4105%

STEP 360 - (1848/1988) -> accuracy: 92.9577%

STEP 361 - (1740/1988) -> accuracy: 87.5252%

STEP 362 - (1818/1988) -> accuracy: 91.4487%

STEP 363 - (1850/1988) -> accuracy: 93.0584%

STEP 364 - (1857/1988) -> accuracy: 93.4105%

STEP 365 - (1862/1988) -> accuracy: 93.6620%

INFO:root: Saved model checkpoints\_temp/model-365 at step 365

INFO:root: Best accuracy 93.6620% at step 365 (1862/1988)

STEP 366 - (1852/1988) -> accuracy: 93.1590%

STEP 367 - (1853/1988) -> accuracy: 93.2093%

STEP 368 - (1856/1988) -> accuracy: 93.3602%

STEP 369 - (1819/1988) -> accuracy: 91.4990%

STEP 370 - (1788/1988) -> accuracy: 89.9396%

STEP 371 - (1815/1988) -> accuracy: 91.2978%

STEP 372 - (1858/1988) -> accuracy: 93.4608%

STEP 373 - (1861/1988) -> accuracy: 93.6117%

STEP 374 - (1817/1988) -> accuracy: 91.3984%

STEP 375 - (1839/1988) -> accuracy: 92.5050%

STEP 376 - (1860/1988) -> accuracy: 93.5614%

STEP 377 - (1859/1988) -> accuracy: 93.5111%

STEP 378 - (1850/1988) -> accuracy: 93.0584%

STEP 379 - (1859/1988) -> accuracy: 93.5111%

STEP 380 - (1863/1988) -> accuracy: 93.7123%

INFO:root: Saved model checkpoints\_temp/model-380 at step 380

INFO:root: Best accuracy 93.7123% at step 380 (1863/1988)

STEP 381 - (1867/1988) -> accuracy: 93.9135%

INFO:root: Saved model checkpoints\_temp/model-381 at step 381

INFO:root: Best accuracy 93.9135% at step 381 (1867/1988)

STEP 382 - (1850/1988) -> accuracy: 93.0584%

STEP 383 - (1824/1988) -> accuracy: 91.7505%

STEP 384 - (1831/1988) -> accuracy: 92.1026%

STEP 385 - (1795/1988) -> accuracy: 90.2918%

STEP 386 - (1841/1988) -> accuracy: 92.6056%

STEP 387 - (1865/1988) -> accuracy: 93.8129%

STEP 388 - (1866/1988) -> accuracy: 93.8632%

STEP 389 - (1869/1988) -> accuracy: 94.0141%

INFO:root: Saved model checkpoints\_temp/model-389 at step 389

INFO:root: Best accuracy 94.0141% at step 389 (1869/1988)

STEP 390 - (1860/1988) -> accuracy: 93.5614%

STEP 391 - (1774/1988) -> accuracy: 89.2354%

STEP 392 - (1806/1988) -> accuracy: 90.8451%

STEP 393 - (1812/1988) -> accuracy: 91.1469%

STEP 394 - (1834/1988) -> accuracy: 92.2535%

STEP 395 - (1862/1988) -> accuracy: 93.6620%

STEP 396 - (1867/1988) -> accuracy: 93.9135%

STEP 397 - (1857/1988) -> accuracy: 93.4105%

STEP 398 - (1865/1988) -> accuracy: 93.8129%

STEP 399 - (1855/1988) -> accuracy: 93.3099%

STEP 400 - (1825/1988) -> accuracy: 91.8008%

Class native : (852/991) -> accuracy: 85.9738%

Class non-native : (973/997) -> accuracy: 97.5928%

STEP 401 - (1865/1988) -> accuracy: 93.8129%

STEP 402 - (1867/1988) -> accuracy: 93.9135%

STEP 403 - (1857/1988) -> accuracy: 93.4105%

STEP 404 - (1874/1988) -> accuracy: 94.2656%

INFO:root: Saved model checkpoints\_temp/model-404 at step 404

INFO:root: Best accuracy 94.2656% at step 404 (1874/1988)

STEP 405 - (1831/1988) -> accuracy: 92.1026%

STEP 406 - (1830/1988) -> accuracy: 92.0523%

STEP 407 - (1776/1988) -> accuracy: 89.3360%

STEP 408 - (1864/1988) -> accuracy: 93.7626%

STEP 409 - (1862/1988) -> accuracy: 93.6620%

STEP 410 - (1869/1988) -> accuracy: 94.0141%

STEP 411 - (1840/1988) -> accuracy: 92.5553%

STEP 412 - (1859/1988) -> accuracy: 93.5111%

STEP 413 - (1868/1988) -> accuracy: 93.9638%

STEP 414 - (1870/1988) -> accuracy: 94.0644%

STEP 415 - (1849/1988) -> accuracy: 93.0080%

STEP 416 - (1847/1988) -> accuracy: 92.9074%

STEP 417 - (1849/1988) -> accuracy: 93.0080%

STEP 418 - (1833/1988) -> accuracy: 92.2032%

STEP 419 - (1838/1988) -> accuracy: 92.4547%

STEP 420 - (1769/1988) -> accuracy: 88.9839%

STEP 421 - (1867/1988) -> accuracy: 93.9135%

STEP 422 - (1870/1988) -> accuracy: 94.0644%

STEP 423 - (1876/1988) -> accuracy: 94.3662%

INFO:root: Saved model checkpoints\_temp/model-423 at step 423

INFO:root: Best accuracy 94.3662% at step 423 (1876/1988)

STEP 424 - (1873/1988) -> accuracy: 94.2153%

STEP 425 - (1877/1988) -> accuracy: 94.4165%

INFO:root: Saved model checkpoints\_temp/model-425 at step 425

INFO:root: Best accuracy 94.4165% at step 425 (1877/1988)

STEP 426 - (1845/1988) -> accuracy: 92.8068%

STEP 427 - (1875/1988) -> accuracy: 94.3159%

STEP 428 - (1732/1988) -> accuracy: 87.1227%

STEP 429 - (1857/1988) -> accuracy: 93.4105%

STEP 430 - (1869/1988) -> accuracy: 94.0141%

STEP 431 - (1868/1988) -> accuracy: 93.9638%

STEP 432 - (1845/1988) -> accuracy: 92.8068%

STEP 433 - (1856/1988) -> accuracy: 93.3602%

STEP 434 - (1862/1988) -> accuracy: 93.6620%

STEP 435 - (1872/1988) -> accuracy: 94.1650%

STEP 436 - (1848/1988) -> accuracy: 92.9577%

STEP 437 - (1861/1988) -> accuracy: 93.6117%

STEP 438 - (1861/1988) -> accuracy: 93.6117%

STEP 439 - (1865/1988) -> accuracy: 93.8129%

STEP 440 - (1851/1988) -> accuracy: 93.1087%

STEP 441 - (1749/1988) -> accuracy: 87.9779%

STEP 442 - (1871/1988) -> accuracy: 94.1147%

STEP 443 - (1876/1988) -> accuracy: 94.3662%

STEP 444 - (1870/1988) -> accuracy: 94.0644%

STEP 445 - (1880/1988) -> accuracy: 94.5674%

INFO:root: Saved model checkpoints\_temp/model-445 at step 445

INFO:root: Best accuracy 94.5674% at step 445 (1880/1988)

STEP 446 - (1879/1988) -> accuracy: 94.5171%

STEP 447 - (1879/1988) -> accuracy: 94.5171%

STEP 448 - (1866/1988) -> accuracy: 93.8632%

STEP 449 - (1862/1988) -> accuracy: 93.6620%

STEP 450 - (1861/1988) -> accuracy: 93.6117%

STEP 451 - (1804/1988) -> accuracy: 90.7445%

STEP 452 - (1780/1988) -> accuracy: 89.5372%

STEP 453 - (1883/1988) -> accuracy: 94.7183%

INFO:root: Saved model checkpoints\_temp/model-453 at step 453

INFO:root: Best accuracy 94.7183% at step 453 (1883/1988)

STEP 454 - (1867/1988) -> accuracy: 93.9135%

STEP 455 - (1807/1988) -> accuracy: 90.8954%

STEP 456 - (1852/1988) -> accuracy: 93.1590%

STEP 457 - (1874/1988) -> accuracy: 94.2656%

STEP 458 - (1880/1988) -> accuracy: 94.5674%

STEP 459 - (1881/1988) -> accuracy: 94.6177%

STEP 460 - (1882/1988) -> accuracy: 94.6680%

STEP 461 - (1875/1988) -> accuracy: 94.3159%

STEP 462 - (1877/1988) -> accuracy: 94.4165%

STEP 463 - (1880/1988) -> accuracy: 94.5674%

STEP 464 - (1832/1988) -> accuracy: 92.1529%

STEP 465 - (1745/1988) -> accuracy: 87.7767%

STEP 466 - (1841/1988) -> accuracy: 92.6056%

STEP 467 - (1849/1988) -> accuracy: 93.0080%

STEP 468 - (1873/1988) -> accuracy: 94.2153%

STEP 469 - (1878/1988) -> accuracy: 94.4668%

STEP 470 - (1882/1988) -> accuracy: 94.6680%

STEP 471 - (1884/1988) -> accuracy: 94.7686%

INFO:root: Saved model checkpoints\_temp/model-471 at step 471

INFO:root: Best accuracy 94.7686% at step 471 (1884/1988)

STEP 472 - (1878/1988) -> accuracy: 94.4668%

STEP 473 - (1882/1988) -> accuracy: 94.6680%

STEP 474 - (1884/1988) -> accuracy: 94.7686%

STEP 475 - (1863/1988) -> accuracy: 93.7123%

STEP 476 - (1806/1988) -> accuracy: 90.8451%

STEP 477 - (1839/1988) -> accuracy: 92.5050%

STEP 478 - (1858/1988) -> accuracy: 93.4608%

STEP 479 - (1879/1988) -> accuracy: 94.5171%

STEP 480 - (1882/1988) -> accuracy: 94.6680%

STEP 481 - (1875/1988) -> accuracy: 94.3159%

STEP 482 - (1884/1988) -> accuracy: 94.7686%

STEP 483 - (1878/1988) -> accuracy: 94.4668%

STEP 484 - (1884/1988) -> accuracy: 94.7686%

STEP 485 - (1884/1988) -> accuracy: 94.7686%

STEP 486 - (1881/1988) -> accuracy: 94.6177%

STEP 487 - (1852/1988) -> accuracy: 93.1590%

STEP 488 - (1820/1988) -> accuracy: 91.5493%

STEP 489 - (1809/1988) -> accuracy: 90.9960%

STEP 490 - (1883/1988) -> accuracy: 94.7183%

STEP 491 - (1886/1988) -> accuracy: 94.8692%

INFO:root: Saved model checkpoints\_temp/model-491 at step 491

INFO:root: Best accuracy 94.8692% at step 491 (1886/1988)

STEP 492 - (1871/1988) -> accuracy: 94.1147%

STEP 493 - (1888/1988) -> accuracy: 94.9698%

INFO:root: Saved model checkpoints\_temp/model-493 at step 493

INFO:root: Best accuracy 94.9698% at step 493 (1888/1988)

STEP 494 - (1888/1988) -> accuracy: 94.9698%

STEP 495 - (1869/1988) -> accuracy: 94.0141%

STEP 496 - (1841/1988) -> accuracy: 92.6056%

STEP 497 - (1801/1988) -> accuracy: 90.5936%

STEP 498 - (1867/1988) -> accuracy: 93.9135%

STEP 499 - (1880/1988) -> accuracy: 94.5674%

STEP 500 - (1887/1988) -> accuracy: 94.9195%

STEP 501 - (1853/1988) -> accuracy: 93.2093%

STEP 502 - (1858/1988) -> accuracy: 93.4608%

STEP 503 - (1854/1988) -> accuracy: 93.2596%

STEP 504 - (1882/1988) -> accuracy: 94.6680%

STEP 505 - (1869/1988) -> accuracy: 94.0141%

STEP 506 - (1890/1988) -> accuracy: 95.0704%

INFO:root: Saved model checkpoints\_temp/model-506 at step 506

INFO:root: Best accuracy 95.0704% at step 506 (1890/1988)

STEP 507 - (1878/1988) -> accuracy: 94.4668%

STEP 508 - (1870/1988) -> accuracy: 94.0644%

STEP 509 - (1877/1988) -> accuracy: 94.4165%

STEP 510 - (1886/1988) -> accuracy: 94.8692%

STEP 511 - (1863/1988) -> accuracy: 93.7123%

STEP 512 - (1892/1988) -> accuracy: 95.1710%

INFO:root: Saved model checkpoints\_temp/model-512 at step 512

INFO:root: Best accuracy 95.1710% at step 512 (1892/1988)

STEP 513 - (1879/1988) -> accuracy: 94.5171%

STEP 514 - (1883/1988) -> accuracy: 94.7183%

STEP 515 - (1887/1988) -> accuracy: 94.9195%

STEP 516 - (1872/1988) -> accuracy: 94.1650%

STEP 517 - (1868/1988) -> accuracy: 93.9638%

STEP 518 - (1875/1988) -> accuracy: 94.3159%

STEP 519 - (1853/1988) -> accuracy: 93.2093%

STEP 520 - (1881/1988) -> accuracy: 94.6177%

STEP 521 - (1868/1988) -> accuracy: 93.9638%

STEP 522 - (1880/1988) -> accuracy: 94.5674%

STEP 523 - (1873/1988) -> accuracy: 94.2153%

STEP 524 - (1869/1988) -> accuracy: 94.0141%

STEP 525 - (1844/1988) -> accuracy: 92.7565%

STEP 526 - (1871/1988) -> accuracy: 94.1147%

STEP 527 - (1884/1988) -> accuracy: 94.7686%

STEP 528 - (1880/1988) -> accuracy: 94.5674%

STEP 529 - (1865/1988) -> accuracy: 93.8129%

STEP 530 - (1868/1988) -> accuracy: 93.9638%

STEP 531 - (1882/1988) -> accuracy: 94.6680%

STEP 532 - (1884/1988) -> accuracy: 94.7686%

STEP 533 - (1871/1988) -> accuracy: 94.1147%

STEP 534 - (1880/1988) -> accuracy: 94.5674%

STEP 535 - (1885/1988) -> accuracy: 94.8189%

STEP 536 - (1891/1988) -> accuracy: 95.1207%

STEP 537 - (1850/1988) -> accuracy: 93.0584%

STEP 538 - (1731/1988) -> accuracy: 87.0724%

STEP 539 - (1859/1988) -> accuracy: 93.5111%

STEP 540 - (1877/1988) -> accuracy: 94.4165%

STEP 541 - (1873/1988) -> accuracy: 94.2153%

STEP 542 - (1875/1988) -> accuracy: 94.3159%

STEP 543 - (1885/1988) -> accuracy: 94.8189%

STEP 544 - (1891/1988) -> accuracy: 95.1207%

STEP 545 - (1883/1988) -> accuracy: 94.7183%

STEP 546 - (1876/1988) -> accuracy: 94.3662%

STEP 547 - (1879/1988) -> accuracy: 94.5171%

STEP 548 - (1873/1988) -> accuracy: 94.2153%

STEP 549 - (1878/1988) -> accuracy: 94.4668%

STEP 550 - (1862/1988) -> accuracy: 93.6620%

STEP 551 - (1854/1988) -> accuracy: 93.2596%

STEP 552 - (1805/1988) -> accuracy: 90.7948%

STEP 553 - (1884/1988) -> accuracy: 94.7686%

STEP 554 - (1886/1988) -> accuracy: 94.8692%

STEP 555 - (1889/1988) -> accuracy: 95.0201%

STEP 556 - (1832/1988) -> accuracy: 92.1529%

STEP 557 - (1864/1988) -> accuracy: 93.7626%

STEP 558 - (1870/1988) -> accuracy: 94.0644%

STEP 559 - (1877/1988) -> accuracy: 94.4165%

STEP 560 - (1889/1988) -> accuracy: 95.0201%

STEP 561 - (1883/1988) -> accuracy: 94.7183%

STEP 562 - (1889/1988) -> accuracy: 95.0201%

STEP 563 - (1848/1988) -> accuracy: 92.9577%

STEP 564 - (1741/1988) -> accuracy: 87.5755%

STEP 565 - (1878/1988) -> accuracy: 94.4668%

STEP 566 - (1887/1988) -> accuracy: 94.9195%

STEP 567 - (1890/1988) -> accuracy: 95.0704%

STEP 568 - (1875/1988) -> accuracy: 94.3159%

STEP 569 - (1885/1988) -> accuracy: 94.8189%

STEP 570 - (1874/1988) -> accuracy: 94.2656%

STEP 571 - (1891/1988) -> accuracy: 95.1207%

STEP 572 - (1876/1988) -> accuracy: 94.3662%

STEP 573 - (1872/1988) -> accuracy: 94.1650%

STEP 574 - (1890/1988) -> accuracy: 95.0704%

STEP 575 - (1892/1988) -> accuracy: 95.1710%

STEP 576 - (1885/1988) -> accuracy: 94.8189%

STEP 577 - (1866/1988) -> accuracy: 93.8632%

STEP 578 - (1861/1988) -> accuracy: 93.6117%

STEP 579 - (1863/1988) -> accuracy: 93.7123%

STEP 580 - (1869/1988) -> accuracy: 94.0141%

STEP 581 - (1881/1988) -> accuracy: 94.6177%

STEP 582 - (1884/1988) -> accuracy: 94.7686%

STEP 583 - (1870/1988) -> accuracy: 94.0644%

STEP 584 - (1895/1988) -> accuracy: 95.3219%

INFO:root: Saved model checkpoints\_temp/model-584 at step 584

INFO:root: Best accuracy 95.3219% at step 584 (1895/1988)

STEP 585 - (1893/1988) -> accuracy: 95.2213%

STEP 586 - (1892/1988) -> accuracy: 95.1710%

STEP 587 - (1882/1988) -> accuracy: 94.6680%

STEP 588 - (1888/1988) -> accuracy: 94.9698%

STEP 589 - (1860/1988) -> accuracy: 93.5614%

STEP 590 - (1893/1988) -> accuracy: 95.2213%

STEP 591 - (1894/1988) -> accuracy: 95.2716%

STEP 592 - (1893/1988) -> accuracy: 95.2213%

STEP 593 - (1874/1988) -> accuracy: 94.2656%

STEP 594 - (1892/1988) -> accuracy: 95.1710%

STEP 595 - (1878/1988) -> accuracy: 94.4668%

STEP 596 - (1714/1988) -> accuracy: 86.2173%

STEP 597 - (1784/1988) -> accuracy: 89.7384%

STEP 598 - (1890/1988) -> accuracy: 95.0704%

STEP 599 - (1887/1988) -> accuracy: 94.9195%

STEP 600 - (1884/1988) -> accuracy: 94.7686%

Class native : (965/991) -> accuracy: 97.3764%

Class non-native : (919/997) -> accuracy: 92.1765%

STEP 601 - (1881/1988) -> accuracy: 94.6177%

STEP 602 - (1883/1988) -> accuracy: 94.7183%

STEP 603 - (1891/1988) -> accuracy: 95.1207%

STEP 604 - (1894/1988) -> accuracy: 95.2716%

STEP 605 - (1893/1988) -> accuracy: 95.2213%

STEP 606 - (1850/1988) -> accuracy: 93.0584%

STEP 607 - (1885/1988) -> accuracy: 94.8189%

STEP 608 - (1892/1988) -> accuracy: 95.1710%

STEP 609 - (1895/1988) -> accuracy: 95.3219%

STEP 610 - (1896/1988) -> accuracy: 95.3722%

INFO:root: Saved model checkpoints\_temp/model-610 at step 610

INFO:root: Best accuracy 95.3722% at step 610 (1896/1988)

STEP 611 - (1890/1988) -> accuracy: 95.0704%

STEP 612 - (1841/1988) -> accuracy: 92.6056%

STEP 613 - (1890/1988) -> accuracy: 95.0704%

STEP 614 - (1889/1988) -> accuracy: 95.0201%

STEP 615 - (1893/1988) -> accuracy: 95.2213%

STEP 616 - (1886/1988) -> accuracy: 94.8692%

STEP 617 - (1888/1988) -> accuracy: 94.9698%

STEP 618 - (1879/1988) -> accuracy: 94.5171%

STEP 619 - (1893/1988) -> accuracy: 95.2213%

STEP 620 - (1872/1988) -> accuracy: 94.1650%

STEP 621 - (1877/1988) -> accuracy: 94.4165%

STEP 622 - (1889/1988) -> accuracy: 95.0201%

STEP 623 - (1894/1988) -> accuracy: 95.2716%

STEP 624 - (1881/1988) -> accuracy: 94.6177%

STEP 625 - (1855/1988) -> accuracy: 93.3099%

STEP 626 - (1832/1988) -> accuracy: 92.1529%

STEP 627 - (1892/1988) -> accuracy: 95.1710%

STEP 628 - (1891/1988) -> accuracy: 95.1207%

STEP 629 - (1887/1988) -> accuracy: 94.9195%

STEP 630 - (1894/1988) -> accuracy: 95.2716%

STEP 631 - (1896/1988) -> accuracy: 95.3722%

STEP 632 - (1825/1988) -> accuracy: 91.8008%

STEP 633 - (1886/1988) -> accuracy: 94.8692%

STEP 634 - (1889/1988) -> accuracy: 95.0201%

STEP 635 - (1893/1988) -> accuracy: 95.2213%

STEP 636 - (1888/1988) -> accuracy: 94.9698%

STEP 637 - (1877/1988) -> accuracy: 94.4165%

STEP 638 - (1890/1988) -> accuracy: 95.0704%

STEP 639 - (1868/1988) -> accuracy: 93.9638%

STEP 640 - (1863/1988) -> accuracy: 93.7123%

STEP 641 - (1836/1988) -> accuracy: 92.3541%

STEP 642 - (1895/1988) -> accuracy: 95.3219%

STEP 643 - (1890/1988) -> accuracy: 95.0704%

STEP 644 - (1896/1988) -> accuracy: 95.3722%

STEP 645 - (1872/1988) -> accuracy: 94.1650%

STEP 646 - (1898/1988) -> accuracy: 95.4728%

INFO:root: Saved model checkpoints\_temp/model-646 at step 646

INFO:root: Best accuracy 95.4728% at step 646 (1898/1988)

STEP 647 - (1895/1988) -> accuracy: 95.3219%

STEP 648 - (1903/1988) -> accuracy: 95.7243%

INFO:root: Saved model checkpoints\_temp/model-648 at step 648

INFO:root: Best accuracy 95.7243% at step 648 (1903/1988)

STEP 649 - (1901/1988) -> accuracy: 95.6237%

STEP 650 - (1849/1988) -> accuracy: 93.0080%

STEP 651 - (1861/1988) -> accuracy: 93.6117%

STEP 652 - (1879/1988) -> accuracy: 94.5171%

STEP 653 - (1870/1988) -> accuracy: 94.0644%

STEP 654 - (1894/1988) -> accuracy: 95.2716%

STEP 655 - (1897/1988) -> accuracy: 95.4225%

STEP 656 - (1897/1988) -> accuracy: 95.4225%

STEP 657 - (1886/1988) -> accuracy: 94.8692%

STEP 658 - (1832/1988) -> accuracy: 92.1529%

STEP 659 - (1897/1988) -> accuracy: 95.4225%

STEP 660 - (1900/1988) -> accuracy: 95.5734%

STEP 661 - (1898/1988) -> accuracy: 95.4728%

STEP 662 - (1898/1988) -> accuracy: 95.4728%

STEP 663 - (1844/1988) -> accuracy: 92.7565%

STEP 664 - (1858/1988) -> accuracy: 93.4608%

STEP 665 - (1871/1988) -> accuracy: 94.1147%

STEP 666 - (1864/1988) -> accuracy: 93.7626%

STEP 667 - (1897/1988) -> accuracy: 95.4225%

STEP 668 - (1899/1988) -> accuracy: 95.5231%

STEP 669 - (1898/1988) -> accuracy: 95.4728%

STEP 670 - (1896/1988) -> accuracy: 95.3722%

STEP 671 - (1898/1988) -> accuracy: 95.4728%

STEP 672 - (1891/1988) -> accuracy: 95.1207%

STEP 673 - (1889/1988) -> accuracy: 95.0201%

STEP 674 - (1862/1988) -> accuracy: 93.6620%

STEP 675 - (1894/1988) -> accuracy: 95.2716%

STEP 676 - (1898/1988) -> accuracy: 95.4728%

STEP 677 - (1892/1988) -> accuracy: 95.1710%

STEP 678 - (1867/1988) -> accuracy: 93.9135%

STEP 679 - (1898/1988) -> accuracy: 95.4728%

STEP 680 - (1876/1988) -> accuracy: 94.3662%

STEP 681 - (1870/1988) -> accuracy: 94.0644%

STEP 682 - (1902/1988) -> accuracy: 95.6740%

STEP 683 - (1887/1988) -> accuracy: 94.9195%

STEP 684 - (1899/1988) -> accuracy: 95.5231%

STEP 685 - (1897/1988) -> accuracy: 95.4225%

STEP 686 - (1883/1988) -> accuracy: 94.7183%

STEP 687 - (1880/1988) -> accuracy: 94.5674%

STEP 688 - (1893/1988) -> accuracy: 95.2213%

STEP 689 - (1889/1988) -> accuracy: 95.0201%

STEP 690 - (1884/1988) -> accuracy: 94.7686%

STEP 691 - (1899/1988) -> accuracy: 95.5231%

STEP 692 - (1903/1988) -> accuracy: 95.7243%

STEP 693 - (1893/1988) -> accuracy: 95.2213%

STEP 694 - (1903/1988) -> accuracy: 95.7243%

STEP 695 - (1893/1988) -> accuracy: 95.2213%

STEP 696 - (1896/1988) -> accuracy: 95.3722%

STEP 697 - (1883/1988) -> accuracy: 94.7183%

STEP 698 - (1892/1988) -> accuracy: 95.1710%

STEP 699 - (1850/1988) -> accuracy: 93.0584%

STEP 700 - (1872/1988) -> accuracy: 94.1650%

STEP 701 - (1893/1988) -> accuracy: 95.2213%

STEP 702 - (1895/1988) -> accuracy: 95.3219%

STEP 703 - (1895/1988) -> accuracy: 95.3219%

STEP 704 - (1896/1988) -> accuracy: 95.3722%

STEP 705 - (1887/1988) -> accuracy: 94.9195%

STEP 706 - (1895/1988) -> accuracy: 95.3219%

STEP 707 - (1888/1988) -> accuracy: 94.9698%

STEP 708 - (1907/1988) -> accuracy: 95.9256%

INFO:root: Saved model checkpoints\_temp/model-708 at step 708

INFO:root: Best accuracy 95.9256% at step 708 (1907/1988)

STEP 709 - (1901/1988) -> accuracy: 95.6237%

STEP 710 - (1878/1988) -> accuracy: 94.4668%

STEP 711 - (1889/1988) -> accuracy: 95.0201%

STEP 712 - (1853/1988) -> accuracy: 93.2093%

STEP 713 - (1843/1988) -> accuracy: 92.7062%

STEP 714 - (1900/1988) -> accuracy: 95.5734%

STEP 715 - (1904/1988) -> accuracy: 95.7746%

STEP 716 - (1896/1988) -> accuracy: 95.3722%

STEP 717 - (1904/1988) -> accuracy: 95.7746%

STEP 718 - (1899/1988) -> accuracy: 95.5231%

STEP 719 - (1855/1988) -> accuracy: 93.3099%

STEP 720 - (1901/1988) -> accuracy: 95.6237%

STEP 721 - (1900/1988) -> accuracy: 95.5734%

STEP 722 - (1901/1988) -> accuracy: 95.6237%

STEP 723 - (1878/1988) -> accuracy: 94.4668%

STEP 724 - (1905/1988) -> accuracy: 95.8249%

STEP 725 - (1876/1988) -> accuracy: 94.3662%

STEP 726 - (1769/1988) -> accuracy: 88.9839%

STEP 727 - (1900/1988) -> accuracy: 95.5734%

STEP 728 - (1903/1988) -> accuracy: 95.7243%

STEP 729 - (1895/1988) -> accuracy: 95.3219%

STEP 730 - (1886/1988) -> accuracy: 94.8692%

STEP 731 - (1904/1988) -> accuracy: 95.7746%

STEP 732 - (1903/1988) -> accuracy: 95.7243%

STEP 733 - (1887/1988) -> accuracy: 94.9195%

STEP 734 - (1895/1988) -> accuracy: 95.3219%

STEP 735 - (1883/1988) -> accuracy: 94.7183%

STEP 736 - (1883/1988) -> accuracy: 94.7183%

STEP 737 - (1882/1988) -> accuracy: 94.6680%

STEP 738 - (1908/1988) -> accuracy: 95.9759%

INFO:root: Saved model checkpoints\_temp/model-738 at step 738

INFO:root: Best accuracy 95.9759% at step 738 (1908/1988)

STEP 739 - (1900/1988) -> accuracy: 95.5734%

STEP 740 - (1893/1988) -> accuracy: 95.2213%

STEP 741 - (1904/1988) -> accuracy: 95.7746%

STEP 742 - (1906/1988) -> accuracy: 95.8753%

STEP 743 - (1901/1988) -> accuracy: 95.6237%

STEP 744 - (1902/1988) -> accuracy: 95.6740%

STEP 745 - (1896/1988) -> accuracy: 95.3722%

STEP 746 - (1886/1988) -> accuracy: 94.8692%

STEP 747 - (1897/1988) -> accuracy: 95.4225%

STEP 748 - (1893/1988) -> accuracy: 95.2213%

STEP 749 - (1892/1988) -> accuracy: 95.1710%

STEP 750 - (1894/1988) -> accuracy: 95.2716%

STEP 751 - (1901/1988) -> accuracy: 95.6237%

STEP 752 - (1903/1988) -> accuracy: 95.7243%

STEP 753 - (1886/1988) -> accuracy: 94.8692%

STEP 754 - (1873/1988) -> accuracy: 94.2153%

STEP 755 - (1837/1988) -> accuracy: 92.4044%

STEP 756 - (1869/1988) -> accuracy: 94.0141%

STEP 757 - (1899/1988) -> accuracy: 95.5231%

STEP 758 - (1897/1988) -> accuracy: 95.4225%

STEP 759 - (1903/1988) -> accuracy: 95.7243%

STEP 760 - (1891/1988) -> accuracy: 95.1207%

STEP 761 - (1883/1988) -> accuracy: 94.7183%

STEP 762 - (1900/1988) -> accuracy: 95.5734%

STEP 763 - (1905/1988) -> accuracy: 95.8249%

STEP 764 - (1892/1988) -> accuracy: 95.1710%

STEP 765 - (1874/1988) -> accuracy: 94.2656%

STEP 766 - (1892/1988) -> accuracy: 95.1710%

STEP 767 - (1878/1988) -> accuracy: 94.4668%

STEP 768 - (1902/1988) -> accuracy: 95.6740%

STEP 769 - (1897/1988) -> accuracy: 95.4225%

STEP 770 - (1871/1988) -> accuracy: 94.1147%

STEP 771 - (1891/1988) -> accuracy: 95.1207%

STEP 772 - (1896/1988) -> accuracy: 95.3722%

STEP 773 - (1898/1988) -> accuracy: 95.4728%

STEP 774 - (1895/1988) -> accuracy: 95.3219%

STEP 775 - (1904/1988) -> accuracy: 95.7746%

STEP 776 - (1861/1988) -> accuracy: 93.6117%

STEP 777 - (1817/1988) -> accuracy: 91.3984%

STEP 778 - (1877/1988) -> accuracy: 94.4165%

STEP 779 - (1900/1988) -> accuracy: 95.5734%

STEP 780 - (1905/1988) -> accuracy: 95.8249%

STEP 781 - (1906/1988) -> accuracy: 95.8753%

STEP 782 - (1902/1988) -> accuracy: 95.6740%

STEP 783 - (1906/1988) -> accuracy: 95.8753%

STEP 784 - (1886/1988) -> accuracy: 94.8692%

STEP 785 - (1902/1988) -> accuracy: 95.6740%

STEP 786 - (1887/1988) -> accuracy: 94.9195%

STEP 787 - (1901/1988) -> accuracy: 95.6237%

STEP 788 - (1906/1988) -> accuracy: 95.8753%

STEP 789 - (1896/1988) -> accuracy: 95.3722%

STEP 790 - (1886/1988) -> accuracy: 94.8692%

STEP 791 - (1902/1988) -> accuracy: 95.6740%

STEP 792 - (1899/1988) -> accuracy: 95.5231%

STEP 793 - (1904/1988) -> accuracy: 95.7746%

STEP 794 - (1847/1988) -> accuracy: 92.9074%

STEP 795 - (1873/1988) -> accuracy: 94.2153%

STEP 796 - (1883/1988) -> accuracy: 94.7183%

STEP 797 - (1907/1988) -> accuracy: 95.9256%

STEP 798 - (1899/1988) -> accuracy: 95.5231%

STEP 799 - (1870/1988) -> accuracy: 94.0644%

STEP 800 - (1897/1988) -> accuracy: 95.4225%

Class native : (969/991) -> accuracy: 97.7800%

Class non-native : (928/997) -> accuracy: 93.0792%

STEP 801 - (1902/1988) -> accuracy: 95.6740%

STEP 802 - (1907/1988) -> accuracy: 95.9256%

STEP 803 - (1905/1988) -> accuracy: 95.8249%

STEP 804 - (1895/1988) -> accuracy: 95.3219%

STEP 805 - (1902/1988) -> accuracy: 95.6740%

STEP 806 - (1900/1988) -> accuracy: 95.5734%

STEP 807 - (1894/1988) -> accuracy: 95.2716%

STEP 808 - (1888/1988) -> accuracy: 94.9698%

STEP 809 - (1880/1988) -> accuracy: 94.5674%

STEP 810 - (1869/1988) -> accuracy: 94.0141%

STEP 811 - (1876/1988) -> accuracy: 94.3662%

STEP 812 - (1902/1988) -> accuracy: 95.6740%

STEP 813 - (1905/1988) -> accuracy: 95.8249%

STEP 814 - (1900/1988) -> accuracy: 95.5734%

STEP 815 - (1889/1988) -> accuracy: 95.0201%

STEP 816 - (1907/1988) -> accuracy: 95.9256%

STEP 817 - (1853/1988) -> accuracy: 93.2093%

STEP 818 - (1898/1988) -> accuracy: 95.4728%

STEP 819 - (1891/1988) -> accuracy: 95.1207%

STEP 820 - (1888/1988) -> accuracy: 94.9698%

STEP 821 - (1897/1988) -> accuracy: 95.4225%

STEP 822 - (1908/1988) -> accuracy: 95.9759%

STEP 823 - (1904/1988) -> accuracy: 95.7746%

STEP 824 - (1911/1988) -> accuracy: 96.1268%

INFO:root: Saved model checkpoints\_temp/model-824 at step 824

INFO:root: Best accuracy 96.1268% at step 824 (1911/1988)

STEP 825 - (1910/1988) -> accuracy: 96.0765%

STEP 826 - (1909/1988) -> accuracy: 96.0262%

STEP 827 - (1884/1988) -> accuracy: 94.7686%

STEP 828 - (1884/1988) -> accuracy: 94.7686%

STEP 829 - (1905/1988) -> accuracy: 95.8249%

STEP 830 - (1896/1988) -> accuracy: 95.3722%

STEP 831 - (1906/1988) -> accuracy: 95.8753%

STEP 832 - (1900/1988) -> accuracy: 95.5734%

STEP 833 - (1880/1988) -> accuracy: 94.5674%

STEP 834 - (1892/1988) -> accuracy: 95.1710%

STEP 835 - (1888/1988) -> accuracy: 94.9698%

STEP 836 - (1887/1988) -> accuracy: 94.9195%

STEP 837 - (1890/1988) -> accuracy: 95.0704%

STEP 838 - (1862/1988) -> accuracy: 93.6620%

STEP 839 - (1890/1988) -> accuracy: 95.0704%

STEP 840 - (1901/1988) -> accuracy: 95.6237%

STEP 841 - (1890/1988) -> accuracy: 95.0704%

STEP 842 - (1898/1988) -> accuracy: 95.4728%

STEP 843 - (1904/1988) -> accuracy: 95.7746%

STEP 844 - (1900/1988) -> accuracy: 95.5734%

STEP 845 - (1909/1988) -> accuracy: 96.0262%

STEP 846 - (1888/1988) -> accuracy: 94.9698%

STEP 847 - (1898/1988) -> accuracy: 95.4728%

STEP 848 - (1905/1988) -> accuracy: 95.8249%

STEP 849 - (1887/1988) -> accuracy: 94.9195%

STEP 850 - (1905/1988) -> accuracy: 95.8249%

STEP 851 - (1896/1988) -> accuracy: 95.3722%

STEP 852 - (1904/1988) -> accuracy: 95.7746%

STEP 853 - (1870/1988) -> accuracy: 94.0644%

STEP 854 - (1861/1988) -> accuracy: 93.6117%

STEP 855 - (1857/1988) -> accuracy: 93.4105%

STEP 856 - (1894/1988) -> accuracy: 95.2716%

STEP 857 - (1894/1988) -> accuracy: 95.2716%

STEP 858 - (1911/1988) -> accuracy: 96.1268%

STEP 859 - (1908/1988) -> accuracy: 95.9759%

STEP 860 - (1902/1988) -> accuracy: 95.6740%

STEP 861 - (1897/1988) -> accuracy: 95.4225%

STEP 862 - (1906/1988) -> accuracy: 95.8753%

STEP 863 - (1904/1988) -> accuracy: 95.7746%

STEP 864 - (1908/1988) -> accuracy: 95.9759%

STEP 865 - (1906/1988) -> accuracy: 95.8753%

STEP 866 - (1902/1988) -> accuracy: 95.6740%

STEP 867 - (1914/1988) -> accuracy: 96.2777%

INFO:root: Saved model checkpoints\_temp/model-867 at step 867

INFO:root: Best accuracy 96.2777% at step 867 (1914/1988)

STEP 868 - (1913/1988) -> accuracy: 96.2274%

STEP 869 - (1902/1988) -> accuracy: 95.6740%

STEP 870 - (1908/1988) -> accuracy: 95.9759%

STEP 871 - (1902/1988) -> accuracy: 95.6740%

STEP 872 - (1910/1988) -> accuracy: 96.0765%

STEP 873 - (1914/1988) -> accuracy: 96.2777%

STEP 874 - (1887/1988) -> accuracy: 94.9195%

STEP 875 - (1900/1988) -> accuracy: 95.5734%

STEP 876 - (1903/1988) -> accuracy: 95.7243%

STEP 877 - (1907/1988) -> accuracy: 95.9256%

STEP 878 - (1896/1988) -> accuracy: 95.3722%

STEP 879 - (1879/1988) -> accuracy: 94.5171%

STEP 880 - (1898/1988) -> accuracy: 95.4728%

STEP 881 - (1903/1988) -> accuracy: 95.7243%

STEP 882 - (1883/1988) -> accuracy: 94.7183%

STEP 883 - (1913/1988) -> accuracy: 96.2274%

STEP 884 - (1882/1988) -> accuracy: 94.6680%

STEP 885 - (1911/1988) -> accuracy: 96.1268%

STEP 886 - (1913/1988) -> accuracy: 96.2274%

STEP 887 - (1879/1988) -> accuracy: 94.5171%

STEP 888 - (1889/1988) -> accuracy: 95.0201%

STEP 889 - (1904/1988) -> accuracy: 95.7746%

STEP 890 - (1878/1988) -> accuracy: 94.4668%

STEP 891 - (1890/1988) -> accuracy: 95.0704%

STEP 892 - (1912/1988) -> accuracy: 96.1771%

STEP 893 - (1914/1988) -> accuracy: 96.2777%

STEP 894 - (1906/1988) -> accuracy: 95.8753%

STEP 895 - (1911/1988) -> accuracy: 96.1268%

STEP 896 - (1909/1988) -> accuracy: 96.0262%

STEP 897 - (1895/1988) -> accuracy: 95.3219%

STEP 898 - (1891/1988) -> accuracy: 95.1207%

STEP 899 - (1886/1988) -> accuracy: 94.8692%

STEP 900 - (1889/1988) -> accuracy: 95.0201%

STEP 901 - (1906/1988) -> accuracy: 95.8753%

STEP 902 - (1900/1988) -> accuracy: 95.5734%

STEP 903 - (1873/1988) -> accuracy: 94.2153%

STEP 904 - (1877/1988) -> accuracy: 94.4165%

STEP 905 - (1890/1988) -> accuracy: 95.0704%

STEP 906 - (1914/1988) -> accuracy: 96.2777%

STEP 907 - (1908/1988) -> accuracy: 95.9759%

STEP 908 - (1913/1988) -> accuracy: 96.2274%

STEP 909 - (1906/1988) -> accuracy: 95.8753%

STEP 910 - (1907/1988) -> accuracy: 95.9256%

STEP 911 - (1896/1988) -> accuracy: 95.3722%

STEP 912 - (1889/1988) -> accuracy: 95.0201%

STEP 913 - (1842/1988) -> accuracy: 92.6559%

STEP 914 - (1886/1988) -> accuracy: 94.8692%

STEP 915 - (1897/1988) -> accuracy: 95.4225%

STEP 916 - (1905/1988) -> accuracy: 95.8249%

STEP 917 - (1881/1988) -> accuracy: 94.6177%

STEP 918 - (1874/1988) -> accuracy: 94.2656%

STEP 919 - (1904/1988) -> accuracy: 95.7746%

STEP 920 - (1900/1988) -> accuracy: 95.5734%

STEP 921 - (1906/1988) -> accuracy: 95.8753%

STEP 922 - (1896/1988) -> accuracy: 95.3722%

STEP 923 - (1900/1988) -> accuracy: 95.5734%

STEP 924 - (1912/1988) -> accuracy: 96.1771%

STEP 925 - (1896/1988) -> accuracy: 95.3722%

STEP 926 - (1911/1988) -> accuracy: 96.1268%

STEP 927 - (1901/1988) -> accuracy: 95.6237%

STEP 928 - (1904/1988) -> accuracy: 95.7746%

STEP 929 - (1908/1988) -> accuracy: 95.9759%

STEP 930 - (1901/1988) -> accuracy: 95.6237%

STEP 931 - (1905/1988) -> accuracy: 95.8249%

STEP 932 - (1910/1988) -> accuracy: 96.0765%

STEP 933 - (1887/1988) -> accuracy: 94.9195%

STEP 934 - (1913/1988) -> accuracy: 96.2274%

STEP 935 - (1905/1988) -> accuracy: 95.8249%

STEP 936 - (1904/1988) -> accuracy: 95.7746%

STEP 937 - (1909/1988) -> accuracy: 96.0262%

STEP 938 - (1909/1988) -> accuracy: 96.0262%

STEP 939 - (1912/1988) -> accuracy: 96.1771%

STEP 940 - (1908/1988) -> accuracy: 95.9759%

STEP 941 - (1886/1988) -> accuracy: 94.8692%

STEP 942 - (1909/1988) -> accuracy: 96.0262%

STEP 943 - (1911/1988) -> accuracy: 96.1268%

STEP 944 - (1896/1988) -> accuracy: 95.3722%

STEP 945 - (1886/1988) -> accuracy: 94.8692%

STEP 946 - (1869/1988) -> accuracy: 94.0141%

STEP 947 - (1863/1988) -> accuracy: 93.7123%

STEP 948 - (1911/1988) -> accuracy: 96.1268%

STEP 949 - (1901/1988) -> accuracy: 95.6237%

STEP 950 - (1902/1988) -> accuracy: 95.6740%

STEP 951 - (1910/1988) -> accuracy: 96.0765%

STEP 952 - (1910/1988) -> accuracy: 96.0765%

STEP 953 - (1903/1988) -> accuracy: 95.7243%

STEP 954 - (1910/1988) -> accuracy: 96.0765%

STEP 955 - (1913/1988) -> accuracy: 96.2274%

STEP 956 - (1911/1988) -> accuracy: 96.1268%

STEP 957 - (1911/1988) -> accuracy: 96.1268%

STEP 958 - (1910/1988) -> accuracy: 96.0765%

STEP 959 - (1898/1988) -> accuracy: 95.4728%

STEP 960 - (1905/1988) -> accuracy: 95.8249%

STEP 961 - (1885/1988) -> accuracy: 94.8189%

STEP 962 - (1856/1988) -> accuracy: 93.3602%

STEP 963 - (1888/1988) -> accuracy: 94.9698%

STEP 964 - (1854/1988) -> accuracy: 93.2596%

STEP 965 - (1913/1988) -> accuracy: 96.2274%

STEP 966 - (1907/1988) -> accuracy: 95.9256%

STEP 967 - (1915/1988) -> accuracy: 96.3280%

INFO:root: Saved model checkpoints\_temp/model-967 at step 967

INFO:root: Best accuracy 96.3280% at step 967 (1915/1988)

STEP 968 - (1889/1988) -> accuracy: 95.0201%

STEP 969 - (1895/1988) -> accuracy: 95.3219%

STEP 970 - (1907/1988) -> accuracy: 95.9256%

STEP 971 - (1910/1988) -> accuracy: 96.0765%

STEP 972 - (1892/1988) -> accuracy: 95.1710%

STEP 973 - (1911/1988) -> accuracy: 96.1268%

STEP 974 - (1908/1988) -> accuracy: 95.9759%

STEP 975 - (1918/1988) -> accuracy: 96.4789%

INFO:root: Saved model checkpoints\_temp/model-975 at step 975

INFO:root: Best accuracy 96.4789% at step 975 (1918/1988)

STEP 976 - (1913/1988) -> accuracy: 96.2274%

STEP 977 - (1912/1988) -> accuracy: 96.1771%

STEP 978 - (1896/1988) -> accuracy: 95.3722%

STEP 979 - (1917/1988) -> accuracy: 96.4286%

STEP 980 - (1889/1988) -> accuracy: 95.0201%

STEP 981 - (1907/1988) -> accuracy: 95.9256%

STEP 982 - (1888/1988) -> accuracy: 94.9698%

STEP 983 - (1908/1988) -> accuracy: 95.9759%

STEP 984 - (1899/1988) -> accuracy: 95.5231%

STEP 985 - (1909/1988) -> accuracy: 96.0262%

STEP 986 - (1894/1988) -> accuracy: 95.2716%

STEP 987 - (1904/1988) -> accuracy: 95.7746%

STEP 988 - (1884/1988) -> accuracy: 94.7686%

STEP 989 - (1899/1988) -> accuracy: 95.5231%

STEP 990 - (1870/1988) -> accuracy: 94.0644%

STEP 991 - (1902/1988) -> accuracy: 95.6740%

STEP 992 - (1888/1988) -> accuracy: 94.9698%

STEP 993 - (1909/1988) -> accuracy: 96.0262%

STEP 994 - (1900/1988) -> accuracy: 95.5734%

STEP 995 - (1908/1988) -> accuracy: 95.9759%

STEP 996 - (1897/1988) -> accuracy: 95.4225%

STEP 997 - (1900/1988) -> accuracy: 95.5734%

STEP 998 - (1910/1988) -> accuracy: 96.0765%

STEP 999 - (1915/1988) -> accuracy: 96.3280%

STEP 1000 - (1891/1988) -> accuracy: 95.1207%

Class native : (916/991) -> accuracy: 92.4319%

Class non-native : (975/997) -> accuracy: 97.7934%

STEP 1001 - (1915/1988) -> accuracy: 96.3280%

STEP 1002 - (1910/1988) -> accuracy: 96.0765%

STEP 1003 - (1893/1988) -> accuracy: 95.2213%

STEP 1004 - (1859/1988) -> accuracy: 93.5111%

STEP 1005 - (1901/1988) -> accuracy: 95.6237%

STEP 1006 - (1914/1988) -> accuracy: 96.2777%

STEP 1007 - (1916/1988) -> accuracy: 96.3783%

STEP 1008 - (1906/1988) -> accuracy: 95.8753%

STEP 1009 - (1915/1988) -> accuracy: 96.3280%

STEP 1010 - (1904/1988) -> accuracy: 95.7746%

STEP 1011 - (1873/1988) -> accuracy: 94.2153%

STEP 1012 - (1909/1988) -> accuracy: 96.0262%

STEP 1013 - (1916/1988) -> accuracy: 96.3783%

STEP 1014 - (1891/1988) -> accuracy: 95.1207%

STEP 1015 - (1909/1988) -> accuracy: 96.0262%

STEP 1016 - (1907/1988) -> accuracy: 95.9256%

STEP 1017 - (1906/1988) -> accuracy: 95.8753%

STEP 1018 - (1910/1988) -> accuracy: 96.0765%

STEP 1019 - (1885/1988) -> accuracy: 94.8189%

STEP 1020 - (1910/1988) -> accuracy: 96.0765%

STEP 1021 - (1918/1988) -> accuracy: 96.4789%

STEP 1022 - (1889/1988) -> accuracy: 95.0201%

STEP 1023 - (1917/1988) -> accuracy: 96.4286%

STEP 1024 - (1914/1988) -> accuracy: 96.2777%

STEP 1025 - (1868/1988) -> accuracy: 93.9638%

STEP 1026 - (1887/1988) -> accuracy: 94.9195%

STEP 1027 - (1915/1988) -> accuracy: 96.3280%

STEP 1028 - (1909/1988) -> accuracy: 96.0262%

STEP 1029 - (1916/1988) -> accuracy: 96.3783%

STEP 1030 - (1909/1988) -> accuracy: 96.0262%

STEP 1031 - (1914/1988) -> accuracy: 96.2777%

STEP 1032 - (1894/1988) -> accuracy: 95.2716%

STEP 1033 - (1873/1988) -> accuracy: 94.2153%

STEP 1034 - (1911/1988) -> accuracy: 96.1268%

STEP 1035 - (1915/1988) -> accuracy: 96.3280%

STEP 1036 - (1912/1988) -> accuracy: 96.1771%

STEP 1037 - (1911/1988) -> accuracy: 96.1268%

STEP 1038 - (1912/1988) -> accuracy: 96.1771%

STEP 1039 - (1908/1988) -> accuracy: 95.9759%

STEP 1040 - (1913/1988) -> accuracy: 96.2274%

STEP 1041 - (1911/1988) -> accuracy: 96.1268%

STEP 1042 - (1909/1988) -> accuracy: 96.0262%

STEP 1043 - (1901/1988) -> accuracy: 95.6237%

STEP 1044 - (1898/1988) -> accuracy: 95.4728%

STEP 1045 - (1910/1988) -> accuracy: 96.0765%

STEP 1046 - (1880/1988) -> accuracy: 94.5674%

STEP 1047 - (1913/1988) -> accuracy: 96.2274%

STEP 1048 - (1915/1988) -> accuracy: 96.3280%

STEP 1049 - (1914/1988) -> accuracy: 96.2777%

STEP 1050 - (1906/1988) -> accuracy: 95.8753%

STEP 1051 - (1879/1988) -> accuracy: 94.5171%

STEP 1052 - (1878/1988) -> accuracy: 94.4668%

STEP 1053 - (1914/1988) -> accuracy: 96.2777%

STEP 1054 - (1912/1988) -> accuracy: 96.1771%

STEP 1055 - (1916/1988) -> accuracy: 96.3783%

STEP 1056 - (1912/1988) -> accuracy: 96.1771%

STEP 1057 - (1903/1988) -> accuracy: 95.7243%

STEP 1058 - (1886/1988) -> accuracy: 94.8692%

STEP 1059 - (1916/1988) -> accuracy: 96.3783%

STEP 1060 - (1911/1988) -> accuracy: 96.1268%

STEP 1061 - (1915/1988) -> accuracy: 96.3280%

STEP 1062 - (1915/1988) -> accuracy: 96.3280%

STEP 1063 - (1906/1988) -> accuracy: 95.8753%

STEP 1064 - (1890/1988) -> accuracy: 95.0704%

STEP 1065 - (1910/1988) -> accuracy: 96.0765%

STEP 1066 - (1917/1988) -> accuracy: 96.4286%

STEP 1067 - (1918/1988) -> accuracy: 96.4789%

STEP 1068 - (1915/1988) -> accuracy: 96.3280%

STEP 1069 - (1912/1988) -> accuracy: 96.1771%

STEP 1070 - (1918/1988) -> accuracy: 96.4789%

STEP 1071 - (1918/1988) -> accuracy: 96.4789%

STEP 1072 - (1917/1988) -> accuracy: 96.4286%

STEP 1073 - (1893/1988) -> accuracy: 95.2213%

STEP 1074 - (1883/1988) -> accuracy: 94.7183%

STEP 1075 - (1892/1988) -> accuracy: 95.1710%

STEP 1076 - (1903/1988) -> accuracy: 95.7243%

STEP 1077 - (1920/1988) -> accuracy: 96.5795%

INFO:root: Saved model checkpoints\_temp/model-1077 at step 1077

INFO:root: Best accuracy 96.5795% at step 1077 (1920/1988)

STEP 1078 - (1906/1988) -> accuracy: 95.8753%

STEP 1079 - (1908/1988) -> accuracy: 95.9759%

STEP 1080 - (1915/1988) -> accuracy: 96.3280%

STEP 1081 - (1918/1988) -> accuracy: 96.4789%

STEP 1082 - (1920/1988) -> accuracy: 96.5795%

STEP 1083 - (1892/1988) -> accuracy: 95.1710%

STEP 1084 - (1892/1988) -> accuracy: 95.1710%

STEP 1085 - (1916/1988) -> accuracy: 96.3783%

STEP 1086 - (1918/1988) -> accuracy: 96.4789%

STEP 1087 - (1911/1988) -> accuracy: 96.1268%

STEP 1088 - (1869/1988) -> accuracy: 94.0141%

STEP 1089 - (1907/1988) -> accuracy: 95.9256%

STEP 1090 - (1911/1988) -> accuracy: 96.1268%

STEP 1091 - (1913/1988) -> accuracy: 96.2274%

STEP 1092 - (1916/1988) -> accuracy: 96.3783%

STEP 1093 - (1912/1988) -> accuracy: 96.1771%

STEP 1094 - (1919/1988) -> accuracy: 96.5292%

STEP 1095 - (1906/1988) -> accuracy: 95.8753%

STEP 1096 - (1923/1988) -> accuracy: 96.7304%

INFO:root: Saved model checkpoints\_temp/model-1096 at step 1096

INFO:root: Best accuracy 96.7304% at step 1096 (1923/1988)

STEP 1097 - (1913/1988) -> accuracy: 96.2274%

STEP 1098 - (1914/1988) -> accuracy: 96.2777%

STEP 1099 - (1910/1988) -> accuracy: 96.0765%

STEP 1100 - (1907/1988) -> accuracy: 95.9256%

STEP 1101 - (1914/1988) -> accuracy: 96.2777%

STEP 1102 - (1905/1988) -> accuracy: 95.8249%

STEP 1103 - (1888/1988) -> accuracy: 94.9698%

STEP 1104 - (1919/1988) -> accuracy: 96.5292%

STEP 1105 - (1891/1988) -> accuracy: 95.1207%

STEP 1106 - (1895/1988) -> accuracy: 95.3219%

STEP 1107 - (1892/1988) -> accuracy: 95.1710%

STEP 1108 - (1917/1988) -> accuracy: 96.4286%

STEP 1109 - (1917/1988) -> accuracy: 96.4286%

STEP 1110 - (1901/1988) -> accuracy: 95.6237%

STEP 1111 - (1894/1988) -> accuracy: 95.2716%

STEP 1112 - (1911/1988) -> accuracy: 96.1268%

STEP 1113 - (1919/1988) -> accuracy: 96.5292%

STEP 1114 - (1921/1988) -> accuracy: 96.6298%

STEP 1115 - (1920/1988) -> accuracy: 96.5795%

STEP 1116 - (1896/1988) -> accuracy: 95.3722%

STEP 1117 - (1920/1988) -> accuracy: 96.5795%

STEP 1118 - (1915/1988) -> accuracy: 96.3280%

STEP 1119 - (1914/1988) -> accuracy: 96.2777%

STEP 1120 - (1921/1988) -> accuracy: 96.6298%

STEP 1121 - (1908/1988) -> accuracy: 95.9759%

STEP 1122 - (1910/1988) -> accuracy: 96.0765%

STEP 1123 - (1906/1988) -> accuracy: 95.8753%

STEP 1124 - (1914/1988) -> accuracy: 96.2777%

STEP 1125 - (1917/1988) -> accuracy: 96.4286%

STEP 1126 - (1882/1988) -> accuracy: 94.6680%

STEP 1127 - (1913/1988) -> accuracy: 96.2274%

STEP 1128 - (1917/1988) -> accuracy: 96.4286%

STEP 1129 - (1917/1988) -> accuracy: 96.4286%

STEP 1130 - (1916/1988) -> accuracy: 96.3783%

STEP 1131 - (1890/1988) -> accuracy: 95.0704%

STEP 1132 - (1905/1988) -> accuracy: 95.8249%

STEP 1133 - (1775/1988) -> accuracy: 89.2857%

STEP 1134 - (1889/1988) -> accuracy: 95.0201%

STEP 1135 - (1902/1988) -> accuracy: 95.6740%

STEP 1136 - (1915/1988) -> accuracy: 96.3280%

STEP 1137 - (1919/1988) -> accuracy: 96.5292%

STEP 1138 - (1913/1988) -> accuracy: 96.2274%

STEP 1139 - (1917/1988) -> accuracy: 96.4286%

STEP 1140 - (1907/1988) -> accuracy: 95.9256%

STEP 1141 - (1913/1988) -> accuracy: 96.2274%

STEP 1142 - (1918/1988) -> accuracy: 96.4789%

STEP 1143 - (1916/1988) -> accuracy: 96.3783%

STEP 1144 - (1911/1988) -> accuracy: 96.1268%

STEP 1145 - (1902/1988) -> accuracy: 95.6740%

STEP 1146 - (1919/1988) -> accuracy: 96.5292%

STEP 1147 - (1901/1988) -> accuracy: 95.6237%

STEP 1148 - (1915/1988) -> accuracy: 96.3280%

STEP 1149 - (1916/1988) -> accuracy: 96.3783%

STEP 1150 - (1908/1988) -> accuracy: 95.9759%

STEP 1151 - (1896/1988) -> accuracy: 95.3722%

STEP 1152 - (1915/1988) -> accuracy: 96.3280%

STEP 1153 - (1913/1988) -> accuracy: 96.2274%

STEP 1154 - (1905/1988) -> accuracy: 95.8249%

STEP 1155 - (1918/1988) -> accuracy: 96.4789%

STEP 1156 - (1898/1988) -> accuracy: 95.4728%

STEP 1157 - (1910/1988) -> accuracy: 96.0765%

STEP 1158 - (1911/1988) -> accuracy: 96.1268%

STEP 1159 - (1905/1988) -> accuracy: 95.8249%

STEP 1160 - (1903/1988) -> accuracy: 95.7243%

STEP 1161 - (1904/1988) -> accuracy: 95.7746%

STEP 1162 - (1905/1988) -> accuracy: 95.8249%

STEP 1163 - (1908/1988) -> accuracy: 95.9759%

STEP 1164 - (1919/1988) -> accuracy: 96.5292%

STEP 1165 - (1869/1988) -> accuracy: 94.0141%

STEP 1166 - (1913/1988) -> accuracy: 96.2274%

STEP 1167 - (1919/1988) -> accuracy: 96.5292%

STEP 1168 - (1906/1988) -> accuracy: 95.8753%

STEP 1169 - (1916/1988) -> accuracy: 96.3783%

STEP 1170 - (1915/1988) -> accuracy: 96.3280%

STEP 1171 - (1910/1988) -> accuracy: 96.0765%

STEP 1172 - (1922/1988) -> accuracy: 96.6801%

STEP 1173 - (1915/1988) -> accuracy: 96.3280%

STEP 1174 - (1906/1988) -> accuracy: 95.8753%

STEP 1175 - (1920/1988) -> accuracy: 96.5795%

STEP 1176 - (1905/1988) -> accuracy: 95.8249%

STEP 1177 - (1914/1988) -> accuracy: 96.2777%

STEP 1178 - (1910/1988) -> accuracy: 96.0765%

STEP 1179 - (1904/1988) -> accuracy: 95.7746%

STEP 1180 - (1918/1988) -> accuracy: 96.4789%

STEP 1181 - (1919/1988) -> accuracy: 96.5292%

STEP 1182 - (1897/1988) -> accuracy: 95.4225%

STEP 1183 - (1915/1988) -> accuracy: 96.3280%

STEP 1184 - (1906/1988) -> accuracy: 95.8753%

STEP 1185 - (1917/1988) -> accuracy: 96.4286%

STEP 1186 - (1900/1988) -> accuracy: 95.5734%

STEP 1187 - (1878/1988) -> accuracy: 94.4668%

STEP 1188 - (1894/1988) -> accuracy: 95.2716%

STEP 1189 - (1909/1988) -> accuracy: 96.0262%

STEP 1190 - (1917/1988) -> accuracy: 96.4286%

STEP 1191 - (1918/1988) -> accuracy: 96.4789%

STEP 1192 - (1915/1988) -> accuracy: 96.3280%

STEP 1193 - (1916/1988) -> accuracy: 96.3783%

STEP 1194 - (1912/1988) -> accuracy: 96.1771%

STEP 1195 - (1918/1988) -> accuracy: 96.4789%

STEP 1196 - (1915/1988) -> accuracy: 96.3280%

STEP 1197 - (1914/1988) -> accuracy: 96.2777%

STEP 1198 - (1914/1988) -> accuracy: 96.2777%

STEP 1199 - (1912/1988) -> accuracy: 96.1771%

STEP 1200 - (1918/1988) -> accuracy: 96.4789%

Class native : (957/991) -> accuracy: 96.5691%

Class non-native : (961/997) -> accuracy: 96.3892%

STEP 1201 - (1912/1988) -> accuracy: 96.1771%

STEP 1202 - (1916/1988) -> accuracy: 96.3783%

STEP 1203 - (1910/1988) -> accuracy: 96.0765%

STEP 1204 - (1907/1988) -> accuracy: 95.9256%

STEP 1205 - (1879/1988) -> accuracy: 94.5171%

STEP 1206 - (1909/1988) -> accuracy: 96.0262%

STEP 1207 - (1913/1988) -> accuracy: 96.2274%

STEP 1208 - (1917/1988) -> accuracy: 96.4286%

STEP 1209 - (1914/1988) -> accuracy: 96.2777%

STEP 1210 - (1917/1988) -> accuracy: 96.4286%

STEP 1211 - (1893/1988) -> accuracy: 95.2213%

STEP 1212 - (1905/1988) -> accuracy: 95.8249%

STEP 1213 - (1918/1988) -> accuracy: 96.4789%

STEP 1214 - (1919/1988) -> accuracy: 96.5292%

STEP 1215 - (1918/1988) -> accuracy: 96.4789%

STEP 1216 - (1913/1988) -> accuracy: 96.2274%

STEP 1217 - (1913/1988) -> accuracy: 96.2274%

STEP 1218 - (1905/1988) -> accuracy: 95.8249%

STEP 1219 - (1902/1988) -> accuracy: 95.6740%

STEP 1220 - (1919/1988) -> accuracy: 96.5292%

STEP 1221 - (1892/1988) -> accuracy: 95.1710%

STEP 1222 - (1910/1988) -> accuracy: 96.0765%

STEP 1223 - (1913/1988) -> accuracy: 96.2274%

STEP 1224 - (1892/1988) -> accuracy: 95.1710%

STEP 1225 - (1915/1988) -> accuracy: 96.3280%

STEP 1226 - (1913/1988) -> accuracy: 96.2274%

STEP 1227 - (1913/1988) -> accuracy: 96.2274%

STEP 1228 - (1919/1988) -> accuracy: 96.5292%

STEP 1229 - (1916/1988) -> accuracy: 96.3783%

STEP 1230 - (1905/1988) -> accuracy: 95.8249%

STEP 1231 - (1911/1988) -> accuracy: 96.1268%

STEP 1232 - (1896/1988) -> accuracy: 95.3722%

STEP 1233 - (1907/1988) -> accuracy: 95.9256%

STEP 1234 - (1910/1988) -> accuracy: 96.0765%

STEP 1235 - (1877/1988) -> accuracy: 94.4165%

STEP 1236 - (1918/1988) -> accuracy: 96.4789%

STEP 1237 - (1918/1988) -> accuracy: 96.4789%

STEP 1238 - (1918/1988) -> accuracy: 96.4789%

STEP 1239 - (1918/1988) -> accuracy: 96.4789%

STEP 1240 - (1920/1988) -> accuracy: 96.5795%

STEP 1241 - (1918/1988) -> accuracy: 96.4789%

STEP 1242 - (1918/1988) -> accuracy: 96.4789%

STEP 1243 - (1918/1988) -> accuracy: 96.4789%

STEP 1244 - (1905/1988) -> accuracy: 95.8249%

STEP 1245 - (1907/1988) -> accuracy: 95.9256%

STEP 1246 - (1900/1988) -> accuracy: 95.5734%

STEP 1247 - (1923/1988) -> accuracy: 96.7304%

STEP 1248 - (1915/1988) -> accuracy: 96.3280%

STEP 1249 - (1883/1988) -> accuracy: 94.7183%

STEP 1250 - (1905/1988) -> accuracy: 95.8249%

STEP 1251 - (1911/1988) -> accuracy: 96.1268%

STEP 1252 - (1914/1988) -> accuracy: 96.2777%

STEP 1253 - (1919/1988) -> accuracy: 96.5292%

STEP 1254 - (1918/1988) -> accuracy: 96.4789%

STEP 1255 - (1896/1988) -> accuracy: 95.3722%

STEP 1256 - (1873/1988) -> accuracy: 94.2153%

STEP 1257 - (1916/1988) -> accuracy: 96.3783%

STEP 1258 - (1919/1988) -> accuracy: 96.5292%

STEP 1259 - (1918/1988) -> accuracy: 96.4789%

STEP 1260 - (1926/1988) -> accuracy: 96.8813%

INFO:root: Saved model checkpoints\_temp/model-1260 at step 1260

INFO:root: Best accuracy 96.8813% at step 1260 (1926/1988)

STEP 1261 - (1913/1988) -> accuracy: 96.2274%

STEP 1262 - (1910/1988) -> accuracy: 96.0765%

STEP 1263 - (1918/1988) -> accuracy: 96.4789%

STEP 1264 - (1923/1988) -> accuracy: 96.7304%

STEP 1265 - (1922/1988) -> accuracy: 96.6801%

STEP 1266 - (1903/1988) -> accuracy: 95.7243%

STEP 1267 - (1913/1988) -> accuracy: 96.2274%

STEP 1268 - (1921/1988) -> accuracy: 96.6298%

STEP 1269 - (1914/1988) -> accuracy: 96.2777%

STEP 1270 - (1920/1988) -> accuracy: 96.5795%

STEP 1271 - (1909/1988) -> accuracy: 96.0262%

STEP 1272 - (1915/1988) -> accuracy: 96.3280%

STEP 1273 - (1921/1988) -> accuracy: 96.6298%

STEP 1274 - (1917/1988) -> accuracy: 96.4286%

STEP 1275 - (1912/1988) -> accuracy: 96.1771%

STEP 1276 - (1914/1988) -> accuracy: 96.2777%

STEP 1277 - (1868/1988) -> accuracy: 93.9638%

STEP 1278 - (1896/1988) -> accuracy: 95.3722%

STEP 1279 - (1915/1988) -> accuracy: 96.3280%

STEP 1280 - (1905/1988) -> accuracy: 95.8249%

STEP 1281 - (1918/1988) -> accuracy: 96.4789%

STEP 1282 - (1920/1988) -> accuracy: 96.5795%

STEP 1283 - (1921/1988) -> accuracy: 96.6298%

STEP 1284 - (1910/1988) -> accuracy: 96.0765%

STEP 1285 - (1922/1988) -> accuracy: 96.6801%

STEP 1286 - (1912/1988) -> accuracy: 96.1771%

STEP 1287 - (1921/1988) -> accuracy: 96.6298%

STEP 1288 - (1918/1988) -> accuracy: 96.4789%

STEP 1289 - (1909/1988) -> accuracy: 96.0262%

STEP 1290 - (1909/1988) -> accuracy: 96.0262%

STEP 1291 - (1920/1988) -> accuracy: 96.5795%

STEP 1292 - (1912/1988) -> accuracy: 96.1771%

STEP 1293 - (1907/1988) -> accuracy: 95.9256%

STEP 1294 - (1892/1988) -> accuracy: 95.1710%

STEP 1295 - (1916/1988) -> accuracy: 96.3783%

STEP 1296 - (1915/1988) -> accuracy: 96.3280%

STEP 1297 - (1911/1988) -> accuracy: 96.1268%

STEP 1298 - (1908/1988) -> accuracy: 95.9759%

STEP 1299 - (1919/1988) -> accuracy: 96.5292%

STEP 1300 - (1917/1988) -> accuracy: 96.4286%

STEP 1301 - (1898/1988) -> accuracy: 95.4728%

STEP 1302 - (1916/1988) -> accuracy: 96.3783%

STEP 1303 - (1916/1988) -> accuracy: 96.3783%

STEP 1304 - (1917/1988) -> accuracy: 96.4286%

STEP 1305 - (1913/1988) -> accuracy: 96.2274%

STEP 1306 - (1915/1988) -> accuracy: 96.3280%

STEP 1307 - (1919/1988) -> accuracy: 96.5292%

STEP 1308 - (1908/1988) -> accuracy: 95.9759%

STEP 1309 - (1920/1988) -> accuracy: 96.5795%

STEP 1310 - (1912/1988) -> accuracy: 96.1771%

STEP 1311 - (1854/1988) -> accuracy: 93.2596%

STEP 1312 - (1848/1988) -> accuracy: 92.9577%

STEP 1313 - (1914/1988) -> accuracy: 96.2777%

STEP 1314 - (1913/1988) -> accuracy: 96.2274%

STEP 1315 - (1914/1988) -> accuracy: 96.2777%

STEP 1316 - (1909/1988) -> accuracy: 96.0262%

STEP 1317 - (1915/1988) -> accuracy: 96.3280%

STEP 1318 - (1914/1988) -> accuracy: 96.2777%

STEP 1319 - (1911/1988) -> accuracy: 96.1268%

STEP 1320 - (1915/1988) -> accuracy: 96.3280%

STEP 1321 - (1906/1988) -> accuracy: 95.8753%

STEP 1322 - (1917/1988) -> accuracy: 96.4286%

STEP 1323 - (1915/1988) -> accuracy: 96.3280%

STEP 1324 - (1914/1988) -> accuracy: 96.2777%

STEP 1325 - (1911/1988) -> accuracy: 96.1268%

STEP 1326 - (1913/1988) -> accuracy: 96.2274%

STEP 1327 - (1920/1988) -> accuracy: 96.5795%

STEP 1328 - (1914/1988) -> accuracy: 96.2777%

STEP 1329 - (1914/1988) -> accuracy: 96.2777%

STEP 1330 - (1912/1988) -> accuracy: 96.1771%

STEP 1331 - (1912/1988) -> accuracy: 96.1771%

STEP 1332 - (1915/1988) -> accuracy: 96.3280%

STEP 1333 - (1882/1988) -> accuracy: 94.6680%

STEP 1334 - (1852/1988) -> accuracy: 93.1590%

STEP 1335 - (1921/1988) -> accuracy: 96.6298%

STEP 1336 - (1900/1988) -> accuracy: 95.5734%

STEP 1337 - (1915/1988) -> accuracy: 96.3280%

STEP 1338 - (1916/1988) -> accuracy: 96.3783%

STEP 1339 - (1917/1988) -> accuracy: 96.4286%

STEP 1340 - (1917/1988) -> accuracy: 96.4286%

STEP 1341 - (1916/1988) -> accuracy: 96.3783%

STEP 1342 - (1918/1988) -> accuracy: 96.4789%

STEP 1343 - (1913/1988) -> accuracy: 96.2274%

STEP 1344 - (1909/1988) -> accuracy: 96.0262%

STEP 1345 - (1902/1988) -> accuracy: 95.6740%

STEP 1346 - (1918/1988) -> accuracy: 96.4789%

STEP 1347 - (1919/1988) -> accuracy: 96.5292%

STEP 1348 - (1920/1988) -> accuracy: 96.5795%

STEP 1349 - (1910/1988) -> accuracy: 96.0765%

STEP 1350 - (1919/1988) -> accuracy: 96.5292%

STEP 1351 - (1902/1988) -> accuracy: 95.6740%

STEP 1352 - (1896/1988) -> accuracy: 95.3722%

STEP 1353 - (1908/1988) -> accuracy: 95.9759%

STEP 1354 - (1917/1988) -> accuracy: 96.4286%

STEP 1355 - (1917/1988) -> accuracy: 96.4286%

STEP 1356 - (1922/1988) -> accuracy: 96.6801%

STEP 1357 - (1913/1988) -> accuracy: 96.2274%

STEP 1358 - (1911/1988) -> accuracy: 96.1268%

STEP 1359 - (1901/1988) -> accuracy: 95.6237%

STEP 1360 - (1917/1988) -> accuracy: 96.4286%

STEP 1361 - (1890/1988) -> accuracy: 95.0704%

STEP 1362 - (1902/1988) -> accuracy: 95.6740%

STEP 1363 - (1906/1988) -> accuracy: 95.8753%

STEP 1364 - (1921/1988) -> accuracy: 96.6298%

STEP 1365 - (1920/1988) -> accuracy: 96.5795%

STEP 1366 - (1913/1988) -> accuracy: 96.2274%

STEP 1367 - (1896/1988) -> accuracy: 95.3722%

STEP 1368 - (1919/1988) -> accuracy: 96.5292%

STEP 1369 - (1919/1988) -> accuracy: 96.5292%

STEP 1370 - (1914/1988) -> accuracy: 96.2777%

STEP 1371 - (1920/1988) -> accuracy: 96.5795%

STEP 1372 - (1889/1988) -> accuracy: 95.0201%

STEP 1373 - (1896/1988) -> accuracy: 95.3722%

STEP 1374 - (1916/1988) -> accuracy: 96.3783%

STEP 1375 - (1920/1988) -> accuracy: 96.5795%

STEP 1376 - (1912/1988) -> accuracy: 96.1771%

STEP 1377 - (1919/1988) -> accuracy: 96.5292%

STEP 1378 - (1913/1988) -> accuracy: 96.2274%

STEP 1379 - (1918/1988) -> accuracy: 96.4789%

STEP 1380 - (1921/1988) -> accuracy: 96.6298%

STEP 1381 - (1915/1988) -> accuracy: 96.3280%

STEP 1382 - (1917/1988) -> accuracy: 96.4286%

STEP 1383 - (1919/1988) -> accuracy: 96.5292%

STEP 1384 - (1907/1988) -> accuracy: 95.9256%

STEP 1385 - (1890/1988) -> accuracy: 95.0704%

STEP 1386 - (1915/1988) -> accuracy: 96.3280%

STEP 1387 - (1916/1988) -> accuracy: 96.3783%

STEP 1388 - (1890/1988) -> accuracy: 95.0704%

STEP 1389 - (1918/1988) -> accuracy: 96.4789%

STEP 1390 - (1919/1988) -> accuracy: 96.5292%

STEP 1391 - (1914/1988) -> accuracy: 96.2777%

STEP 1392 - (1916/1988) -> accuracy: 96.3783%

STEP 1393 - (1920/1988) -> accuracy: 96.5795%

STEP 1394 - (1919/1988) -> accuracy: 96.5292%

STEP 1395 - (1916/1988) -> accuracy: 96.3783%

STEP 1396 - (1917/1988) -> accuracy: 96.4286%

STEP 1397 - (1909/1988) -> accuracy: 96.0262%

STEP 1398 - (1915/1988) -> accuracy: 96.3280%

STEP 1399 - (1912/1988) -> accuracy: 96.1771%

STEP 1400 - (1913/1988) -> accuracy: 96.2274%

Class native : (939/991) -> accuracy: 94.7528%

Class non-native : (974/997) -> accuracy: 97.6931%

\*\*\*Training is complete. Best accuracy 96.8813% at step 12601400

Class native : (1264543/1387400) -> accuracy: 91.1448%

Class non-native : (1247868/1395800) -> accuracy: 89.4016%

\*\*\*Testing...

INFO:tensorflow:Restoring parameters from checkpoints\_temp/model-1260

INFO:tensorflow:Restoring parameters from checkpoints\_temp/model-1260

Accuracy on test set - (2123/2209) -> accuracy: 96.1068%

Class native : (1079/1126) -> accuracy: 95.8259%

Class non-native : (1044/1083) -> accuracy: 96.3989%

Leaving function train\_cnn\_rnn

duration(formatted HH:MM:SS): 03:19:53

Leaving function \_\_main\_\_