

## Apêndice D

Dados dos Epochs

Parâmetros 100

Epochs Totais: 500

Modelo: model3

Tokenizer: Token\_do\_deeplearning

Callback history do fit model:

```
Epoch 1/500
47/47 - 2s - loss: 6.7713 - accuracy: 0.0788
Epoch 2/500
47/47 - 2s - loss: 6.2021 - accuracy: 0.0822
Epoch 3/500
47/47 - 2s - loss: 6.1507 - accuracy: 0.0822
Epoch 4/500
47/47 - 2s - loss: 6.1409 - accuracy: 0.0822
Epoch 5/500
47/47 - 2s - loss: 6.1335 - accuracy: 0.0822
Epoch 6/500
47/47 - 2s - loss: 6.1147 - accuracy: 0.0822
Epoch 7/500
47/47 - 3s - loss: 6.0162 - accuracy: 0.0822
Epoch 8/500
47/47 - 3s - loss: 5.8980 - accuracy: 0.0822
Epoch 9/500
47/47 - 3s - loss: 5.7947 - accuracy: 0.0880
Epoch 10/500
47/47 - 3s - loss: 5.6965 - accuracy: 0.0928
Epoch 11/500
47/47 - 3s - loss: 5.6222 - accuracy: 0.0939
Epoch 12/500
47/47 - 4s - loss: 5.5590 - accuracy: 0.0946
Epoch 13/500
47/47 - 3s - loss: 5.4950 - accuracy: 0.0972
Epoch 14/500
47/47 - 3s - loss: 5.4114 - accuracy: 0.1004
Epoch 15/500
47/47 - 3s - loss: 5.3232 - accuracy: 0.0999
Epoch 16/500
47/47 - 3s - loss: 5.2459 - accuracy: 0.1029
```

Epoch 17/500  
47/47 - 3s - loss: 5.1840 - accuracy: 0.1079  
Epoch 18/500  
47/47 - 3s - loss: 5.1311 - accuracy: 0.1038  
Epoch 19/500  
47/47 - 3s - loss: 5.0814 - accuracy: 0.1082  
Epoch 20/500  
47/47 - 3s - loss: 5.0349 - accuracy: 0.1095  
Epoch 21/500  
47/47 - 3s - loss: 4.9861 - accuracy: 0.1082  
Epoch 22/500  
47/47 - 3s - loss: 4.9476 - accuracy: 0.1132  
Epoch 23/500  
47/47 - 3s - loss: 4.9130 - accuracy: 0.1127  
Epoch 24/500  
47/47 - 3s - loss: 4.8735 - accuracy: 0.1150  
Epoch 25/500  
47/47 - 3s - loss: 4.8438 - accuracy: 0.1148  
Epoch 26/500  
47/47 - 3s - loss: 4.7995 - accuracy: 0.1146  
Epoch 27/500  
47/47 - 3s - loss: 4.7644 - accuracy: 0.1189  
Epoch 28/500  
47/47 - 3s - loss: 4.7291 - accuracy: 0.1173  
Epoch 29/500  
47/47 - 3s - loss: 4.6990 - accuracy: 0.1201  
Epoch 30/500  
47/47 - 3s - loss: 4.6705 - accuracy: 0.1180  
Epoch 31/500  
47/47 - 3s - loss: 4.6400 - accuracy: 0.1189  
Epoch 32/500  
47/47 - 3s - loss: 4.6109 - accuracy: 0.1230  
Epoch 33/500  
47/47 - 3s - loss: 4.5791 - accuracy: 0.1240  
Epoch 34/500  
47/47 - 3s - loss: 4.5469 - accuracy: 0.1265  
Epoch 35/500  
47/47 - 3s - loss: 4.5127 - accuracy: 0.1256  
Epoch 36/500  
47/47 - 3s - loss: 4.4763 - accuracy: 0.1311  
Epoch 37/500  
47/47 - 3s - loss: 4.4472 - accuracy: 0.1333  
Epoch 38/500  
47/47 - 3s - loss: 4.4142 - accuracy: 0.1341

Epoch 39/500  
47/47 - 3s - loss: 4.3782 - accuracy: 0.1375  
Epoch 40/500  
47/47 - 3s - loss: 4.3483 - accuracy: 0.1398  
Epoch 41/500  
47/47 - 3s - loss: 4.3187 - accuracy: 0.1403  
Epoch 42/500  
47/47 - 3s - loss: 4.2908 - accuracy: 0.1391  
Epoch 43/500  
47/47 - 3s - loss: 4.2670 - accuracy: 0.1435  
Epoch 44/500  
47/47 - 4s - loss: 4.2363 - accuracy: 0.1405  
Epoch 45/500  
47/47 - 3s - loss: 4.2039 - accuracy: 0.1490  
Epoch 46/500  
47/47 - 3s - loss: 4.1791 - accuracy: 0.1501  
Epoch 47/500  
47/47 - 3s - loss: 4.1508 - accuracy: 0.1494  
Epoch 48/500  
47/47 - 3s - loss: 4.1247 - accuracy: 0.1538  
Epoch 49/500  
47/47 - 3s - loss: 4.1001 - accuracy: 0.1577  
Epoch 50/500  
47/47 - 3s - loss: 4.0839 - accuracy: 0.1544  
Epoch 51/500  
47/47 - 3s - loss: 4.0535 - accuracy: 0.1581  
Epoch 52/500  
47/47 - 3s - loss: 4.0307 - accuracy: 0.1574  
Epoch 53/500  
47/47 - 3s - loss: 4.0031 - accuracy: 0.1613  
Epoch 54/500  
47/47 - 3s - loss: 3.9796 - accuracy: 0.1654  
Epoch 55/500  
47/47 - 3s - loss: 3.9584 - accuracy: 0.1636  
Epoch 56/500  
47/47 - 3s - loss: 3.9314 - accuracy: 0.1652  
Epoch 57/500  
47/47 - 3s - loss: 3.9072 - accuracy: 0.1641  
Epoch 58/500  
47/47 - 3s - loss: 3.8789 - accuracy: 0.1705  
Epoch 59/500  
47/47 - 3s - loss: 3.8551 - accuracy: 0.1677  
Epoch 60/500  
47/47 - 3s - loss: 3.8370 - accuracy: 0.1732

Epoch 61/500  
47/47 - 3s - loss: 3.8080 - accuracy: 0.1757  
Epoch 62/500  
47/47 - 4s - loss: 3.7827 - accuracy: 0.1751  
Epoch 63/500  
47/47 - 3s - loss: 3.7595 - accuracy: 0.1751  
Epoch 64/500  
47/47 - 3s - loss: 3.7398 - accuracy: 0.1796  
Epoch 65/500  
47/47 - 3s - loss: 3.7113 - accuracy: 0.1836  
Epoch 66/500  
47/47 - 3s - loss: 3.6839 - accuracy: 0.1833  
Epoch 67/500  
47/47 - 3s - loss: 3.6581 - accuracy: 0.1861  
Epoch 68/500  
47/47 - 3s - loss: 3.6313 - accuracy: 0.1906  
Epoch 69/500  
47/47 - 3s - loss: 3.6120 - accuracy: 0.1922  
Epoch 70/500  
47/47 - 3s - loss: 3.5850 - accuracy: 0.1968  
Epoch 71/500  
47/47 - 3s - loss: 3.5601 - accuracy: 0.2009  
Epoch 72/500  
47/47 - 3s - loss: 3.5414 - accuracy: 0.1954  
Epoch 73/500  
47/47 - 3s - loss: 3.5146 - accuracy: 0.1996  
Epoch 74/500  
47/47 - 3s - loss: 3.4900 - accuracy: 0.2076  
Epoch 75/500  
47/47 - 3s - loss: 3.4694 - accuracy: 0.2092  
Epoch 76/500  
47/47 - 3s - loss: 3.4434 - accuracy: 0.2076  
Epoch 77/500  
47/47 - 3s - loss: 3.4170 - accuracy: 0.2154  
Epoch 78/500  
47/47 - 3s - loss: 3.3994 - accuracy: 0.2198  
Epoch 79/500  
47/47 - 3s - loss: 3.3676 - accuracy: 0.2252  
Epoch 80/500  
47/47 - 3s - loss: 3.3468 - accuracy: 0.2229  
Epoch 81/500  
47/47 - 3s - loss: 3.3295 - accuracy: 0.2303  
Epoch 82/500  
47/47 - 3s - loss: 3.3022 - accuracy: 0.2319

Epoch 83/500  
47/47 - 3s - loss: 3.2782 - accuracy: 0.2355  
Epoch 84/500  
47/47 - 3s - loss: 3.2716 - accuracy: 0.2331  
Epoch 85/500  
47/47 - 3s - loss: 3.2442 - accuracy: 0.2356  
Epoch 86/500  
47/47 - 3s - loss: 3.2303 - accuracy: 0.2450  
Epoch 87/500  
47/47 - 3s - loss: 3.2013 - accuracy: 0.2472  
Epoch 88/500  
47/47 - 3s - loss: 3.1792 - accuracy: 0.2472  
Epoch 89/500  
47/47 - 4s - loss: 3.1718 - accuracy: 0.2472  
Epoch 90/500  
47/47 - 3s - loss: 3.1334 - accuracy: 0.2553  
Epoch 91/500  
47/47 - 3s - loss: 3.1076 - accuracy: 0.2589  
Epoch 92/500  
47/47 - 4s - loss: 3.0870 - accuracy: 0.2628  
Epoch 93/500  
47/47 - 3s - loss: 3.0725 - accuracy: 0.2674  
Epoch 94/500  
47/47 - 3s - loss: 3.0524 - accuracy: 0.2665  
Epoch 95/500  
47/47 - 3s - loss: 3.0207 - accuracy: 0.2787  
Epoch 96/500  
47/47 - 3s - loss: 3.0102 - accuracy: 0.2754  
Epoch 97/500  
47/47 - 4s - loss: 2.9863 - accuracy: 0.2883  
Epoch 98/500  
47/47 - 4s - loss: 2.9700 - accuracy: 0.2825  
Epoch 99/500  
47/47 - 3s - loss: 2.9425 - accuracy: 0.2876  
Epoch 100/500  
47/47 - 4s - loss: 2.9363 - accuracy: 0.2894  
Epoch 101/500  
47/47 - 4s - loss: 2.9149 - accuracy: 0.2917  
Epoch 102/500  
47/47 - 3s - loss: 2.8998 - accuracy: 0.2921  
Epoch 103/500  
47/47 - 3s - loss: 2.8723 - accuracy: 0.3038  
Epoch 104/500  
47/47 - 4s - loss: 2.8544 - accuracy: 0.3096

Epoch 105/500  
47/47 - 4s - loss: 2.8341 - accuracy: 0.3075  
Epoch 106/500  
47/47 - 4s - loss: 2.8072 - accuracy: 0.3123  
Epoch 107/500  
47/47 - 4s - loss: 2.7992 - accuracy: 0.3109  
Epoch 108/500  
47/47 - 3s - loss: 2.7764 - accuracy: 0.3171  
Epoch 109/500  
47/47 - 4s - loss: 2.7642 - accuracy: 0.3180  
Epoch 110/500  
47/47 - 4s - loss: 2.7440 - accuracy: 0.3213  
Epoch 111/500  
47/47 - 3s - loss: 2.7220 - accuracy: 0.3277  
Epoch 112/500  
47/47 - 3s - loss: 2.7082 - accuracy: 0.3281  
Epoch 113/500  
47/47 - 4s - loss: 2.6877 - accuracy: 0.3341  
Epoch 114/500  
47/47 - 3s - loss: 2.6762 - accuracy: 0.3387  
Epoch 115/500  
47/47 - 4s - loss: 2.6562 - accuracy: 0.3446  
Epoch 116/500  
47/47 - 4s - loss: 2.6492 - accuracy: 0.3407  
Epoch 117/500  
47/47 - 3s - loss: 2.6285 - accuracy: 0.3423  
Epoch 118/500  
47/47 - 3s - loss: 2.6060 - accuracy: 0.3481  
Epoch 119/500  
47/47 - 3s - loss: 2.5840 - accuracy: 0.3522  
Epoch 120/500  
47/47 - 3s - loss: 2.5615 - accuracy: 0.3611  
Epoch 121/500  
47/47 - 3s - loss: 2.5475 - accuracy: 0.3627  
Epoch 122/500  
47/47 - 4s - loss: 2.5217 - accuracy: 0.3691  
Epoch 123/500  
47/47 - 4s - loss: 2.5066 - accuracy: 0.3707  
Epoch 124/500  
47/47 - 4s - loss: 2.4922 - accuracy: 0.3678  
Epoch 125/500  
47/47 - 3s - loss: 2.4827 - accuracy: 0.3584  
Epoch 126/500  
47/47 - 4s - loss: 2.4613 - accuracy: 0.3701

Epoch 127/500  
47/47 - 3s - loss: 2.4493 - accuracy: 0.3856  
Epoch 128/500  
47/47 - 4s - loss: 2.4356 - accuracy: 0.3884  
Epoch 129/500  
47/47 - 4s - loss: 2.4118 - accuracy: 0.3872  
Epoch 130/500  
47/47 - 3s - loss: 2.3936 - accuracy: 0.3996  
Epoch 131/500  
47/47 - 3s - loss: 2.3826 - accuracy: 0.3999  
Epoch 132/500  
47/47 - 4s - loss: 2.3698 - accuracy: 0.4008  
Epoch 133/500  
47/47 - 4s - loss: 2.3549 - accuracy: 0.4065  
Epoch 134/500  
47/47 - 3s - loss: 2.3388 - accuracy: 0.4040  
Epoch 135/500  
47/47 - 4s - loss: 2.3228 - accuracy: 0.4104  
Epoch 136/500  
47/47 - 3s - loss: 2.3080 - accuracy: 0.4157  
Epoch 137/500  
47/47 - 3s - loss: 2.2964 - accuracy: 0.4178  
Epoch 138/500  
47/47 - 4s - loss: 2.2797 - accuracy: 0.4184  
Epoch 139/500  
47/47 - 3s - loss: 2.2601 - accuracy: 0.4257  
Epoch 140/500  
47/47 - 3s - loss: 2.2431 - accuracy: 0.4237  
Epoch 141/500  
47/47 - 3s - loss: 2.2444 - accuracy: 0.4278  
Epoch 142/500  
47/47 - 3s - loss: 2.2302 - accuracy: 0.4299  
Epoch 143/500  
47/47 - 3s - loss: 2.2053 - accuracy: 0.4388  
Epoch 144/500  
47/47 - 3s - loss: 2.1965 - accuracy: 0.4406  
Epoch 145/500  
47/47 - 3s - loss: 2.1786 - accuracy: 0.4420  
Epoch 146/500  
47/47 - 3s - loss: 2.1800 - accuracy: 0.4418  
Epoch 147/500  
47/47 - 3s - loss: 2.1592 - accuracy: 0.4485  
Epoch 148/500  
47/47 - 4s - loss: 2.1383 - accuracy: 0.4537

Epoch 149/500  
47/47 - 3s - loss: 2.1283 - accuracy: 0.4544  
Epoch 150/500  
47/47 - 3s - loss: 2.1023 - accuracy: 0.4601  
Epoch 151/500  
47/47 - 3s - loss: 2.0915 - accuracy: 0.4640  
Epoch 152/500  
47/47 - 3s - loss: 2.0832 - accuracy: 0.4688  
Epoch 153/500  
47/47 - 3s - loss: 2.0661 - accuracy: 0.4665  
Epoch 154/500  
47/47 - 3s - loss: 2.0627 - accuracy: 0.4665  
Epoch 155/500  
47/47 - 3s - loss: 2.0370 - accuracy: 0.4789  
Epoch 156/500  
47/47 - 3s - loss: 2.0175 - accuracy: 0.4839  
Epoch 157/500  
47/47 - 3s - loss: 2.0111 - accuracy: 0.4839  
Epoch 158/500  
47/47 - 3s - loss: 1.9946 - accuracy: 0.4908  
Epoch 159/500  
47/47 - 3s - loss: 1.9775 - accuracy: 0.4933  
Epoch 160/500  
47/47 - 3s - loss: 1.9675 - accuracy: 0.4963  
Epoch 161/500  
47/47 - 3s - loss: 1.9583 - accuracy: 0.4945  
Epoch 162/500  
47/47 - 3s - loss: 1.9583 - accuracy: 0.4925  
Epoch 163/500  
47/47 - 3s - loss: 1.9504 - accuracy: 0.5032  
Epoch 164/500  
47/47 - 3s - loss: 1.9292 - accuracy: 0.5053  
Epoch 165/500  
47/47 - 3s - loss: 1.8993 - accuracy: 0.5137  
Epoch 166/500  
47/47 - 3s - loss: 1.8920 - accuracy: 0.5167  
Epoch 167/500  
47/47 - 4s - loss: 1.8827 - accuracy: 0.5119  
Epoch 168/500  
47/47 - 3s - loss: 1.8737 - accuracy: 0.5199  
Epoch 169/500  
47/47 - 3s - loss: 1.8601 - accuracy: 0.5165  
Epoch 170/500  
47/47 - 3s - loss: 1.8505 - accuracy: 0.5236



Epoch 171/500  
47/47 - 3s - loss: 1.8325 - accuracy: 0.5268  
Epoch 172/500  
47/47 - 3s - loss: 1.8283 - accuracy: 0.5296  
Epoch 173/500  
47/47 - 3s - loss: 1.8456 - accuracy: 0.5208  
Epoch 174/500  
47/47 - 3s - loss: 1.8235 - accuracy: 0.5240  
Epoch 175/500  
47/47 - 3s - loss: 1.7816 - accuracy: 0.5433  
Epoch 176/500  
47/47 - 3s - loss: 1.7609 - accuracy: 0.5468  
Epoch 177/500  
47/47 - 3s - loss: 1.7469 - accuracy: 0.5509  
Epoch 178/500  
47/47 - 3s - loss: 1.7469 - accuracy: 0.5472  
Epoch 179/500  
47/47 - 3s - loss: 1.7325 - accuracy: 0.5531  
Epoch 180/500  
47/47 - 3s - loss: 1.7327 - accuracy: 0.5520  
Epoch 181/500  
47/47 - 3s - loss: 1.7301 - accuracy: 0.5491  
Epoch 182/500  
47/47 - 3s - loss: 1.7097 - accuracy: 0.5564  
Epoch 183/500  
47/47 - 3s - loss: 1.7019 - accuracy: 0.5621  
Epoch 184/500  
47/47 - 3s - loss: 1.6794 - accuracy: 0.5628  
Epoch 185/500  
47/47 - 3s - loss: 1.6696 - accuracy: 0.5681  
Epoch 186/500  
47/47 - 3s - loss: 1.6539 - accuracy: 0.5719  
Epoch 187/500  
47/47 - 3s - loss: 1.6460 - accuracy: 0.5809  
Epoch 188/500  
47/47 - 3s - loss: 1.6424 - accuracy: 0.5738  
Epoch 189/500  
47/47 - 3s - loss: 1.6352 - accuracy: 0.5782  
Epoch 190/500  
47/47 - 3s - loss: 1.6317 - accuracy: 0.5740  
Epoch 191/500  
47/47 - 3s - loss: 1.6182 - accuracy: 0.5754  
Epoch 192/500  
47/47 - 3s - loss: 1.5994 - accuracy: 0.5804

Epoch 193/500  
47/47 - 4s - loss: 1.5703 - accuracy: 0.5940  
Epoch 194/500  
47/47 - 3s - loss: 1.5678 - accuracy: 0.5869  
Epoch 195/500  
47/47 - 3s - loss: 1.5609 - accuracy: 0.6001  
Epoch 196/500  
47/47 - 3s - loss: 1.5510 - accuracy: 0.6018  
Epoch 197/500  
47/47 - 3s - loss: 1.5375 - accuracy: 0.5946  
Epoch 198/500  
47/47 - 3s - loss: 1.5251 - accuracy: 0.6052  
Epoch 199/500  
47/47 - 3s - loss: 1.5301 - accuracy: 0.6022  
Epoch 200/500  
47/47 - 3s - loss: 1.5181 - accuracy: 0.6011  
Epoch 201/500  
47/47 - 3s - loss: 1.4932 - accuracy: 0.6125  
Epoch 202/500  
47/47 - 3s - loss: 1.4735 - accuracy: 0.6194  
Epoch 203/500  
47/47 - 3s - loss: 1.4745 - accuracy: 0.6187  
Epoch 204/500  
47/47 - 4s - loss: 1.4544 - accuracy: 0.6251  
Epoch 205/500  
47/47 - 3s - loss: 1.4443 - accuracy: 0.6270  
Epoch 206/500  
47/47 - 3s - loss: 1.4317 - accuracy: 0.6308  
Epoch 207/500  
47/47 - 3s - loss: 1.4358 - accuracy: 0.6290  
Epoch 208/500  
47/47 - 3s - loss: 1.4333 - accuracy: 0.6240  
Epoch 209/500  
47/47 - 3s - loss: 1.4231 - accuracy: 0.6253  
Epoch 210/500  
47/47 - 3s - loss: 1.4042 - accuracy: 0.6359  
Epoch 211/500  
47/47 - 3s - loss: 1.3879 - accuracy: 0.6416  
Epoch 212/500  
47/47 - 3s - loss: 1.3778 - accuracy: 0.6430  
Epoch 213/500  
47/47 - 3s - loss: 1.3810 - accuracy: 0.6375  
Epoch 214/500  
47/47 - 3s - loss: 1.3949 - accuracy: 0.6379

Epoch 215/500  
47/47 - 3s - loss: 1.3662 - accuracy: 0.6441  
Epoch 216/500  
47/47 - 3s - loss: 1.3391 - accuracy: 0.6551  
Epoch 217/500  
47/47 - 3s - loss: 1.3326 - accuracy: 0.6544  
Epoch 218/500  
47/47 - 3s - loss: 1.3596 - accuracy: 0.6421  
Epoch 219/500  
47/47 - 4s - loss: 1.3467 - accuracy: 0.6483  
Epoch 220/500  
47/47 - 4s - loss: 1.3084 - accuracy: 0.6570  
Epoch 221/500  
47/47 - 4s - loss: 1.2971 - accuracy: 0.6670  
Epoch 222/500  
47/47 - 4s - loss: 1.2804 - accuracy: 0.6700  
Epoch 223/500  
47/47 - 4s - loss: 1.2654 - accuracy: 0.6712  
Epoch 224/500  
47/47 - 4s - loss: 1.2502 - accuracy: 0.6812  
Epoch 225/500  
47/47 - 4s - loss: 1.2379 - accuracy: 0.6799  
Epoch 226/500  
47/47 - 4s - loss: 1.2300 - accuracy: 0.6796  
Epoch 227/500  
47/47 - 4s - loss: 1.2590 - accuracy: 0.6675  
Epoch 228/500  
47/47 - 4s - loss: 1.2551 - accuracy: 0.6709  
Epoch 229/500  
47/47 - 5s - loss: 1.2369 - accuracy: 0.6833  
Epoch 230/500  
47/47 - 5s - loss: 1.2198 - accuracy: 0.6812  
Epoch 231/500  
47/47 - 5s - loss: 1.2041 - accuracy: 0.6883  
Epoch 232/500  
47/47 - 5s - loss: 1.2088 - accuracy: 0.6836  
Epoch 233/500  
47/47 - 5s - loss: 1.2094 - accuracy: 0.6842  
Epoch 234/500  
47/47 - 4s - loss: 1.1860 - accuracy: 0.6907  
Epoch 235/500  
47/47 - 4s - loss: 1.1707 - accuracy: 0.6929  
Epoch 236/500  
47/47 - 4s - loss: 1.1534 - accuracy: 0.7021

Epoch 237/500  
47/47 - 4s - loss: 1.1424 - accuracy: 0.7009  
Epoch 238/500  
47/47 - 4s - loss: 1.1382 - accuracy: 0.7078  
Epoch 239/500  
47/47 - 4s - loss: 1.1315 - accuracy: 0.7049  
Epoch 240/500  
47/47 - 4s - loss: 1.1889 - accuracy: 0.6888  
Epoch 241/500  
47/47 - 4s - loss: 1.1874 - accuracy: 0.6899  
Epoch 242/500  
47/47 - 4s - loss: 1.1501 - accuracy: 0.6984  
Epoch 243/500  
47/47 - 3s - loss: 1.1256 - accuracy: 0.7026  
Epoch 244/500  
47/47 - 4s - loss: 1.1001 - accuracy: 0.7087  
Epoch 245/500  
47/47 - 4s - loss: 1.0807 - accuracy: 0.7158  
Epoch 246/500  
47/47 - 4s - loss: 1.0677 - accuracy: 0.7257  
Epoch 247/500  
47/47 - 4s - loss: 1.0530 - accuracy: 0.7315  
Epoch 248/500  
47/47 - 3s - loss: 1.0390 - accuracy: 0.7385  
Epoch 249/500  
47/47 - 4s - loss: 1.0313 - accuracy: 0.7360  
Epoch 250/500  
47/47 - 3s - loss: 1.0381 - accuracy: 0.7358  
Epoch 251/500  
47/47 - 3s - loss: 1.0677 - accuracy: 0.7239  
Epoch 252/500  
47/47 - 3s - loss: 1.0699 - accuracy: 0.7227  
Epoch 253/500  
47/47 - 4s - loss: 1.0437 - accuracy: 0.7301  
Epoch 254/500  
47/47 - 3s - loss: 1.0143 - accuracy: 0.7381  
Epoch 255/500  
47/47 - 4s - loss: 1.0005 - accuracy: 0.7429  
Epoch 256/500  
47/47 - 3s - loss: 0.9989 - accuracy: 0.7457  
Epoch 257/500  
47/47 - 3s - loss: 0.9740 - accuracy: 0.7528  
Epoch 258/500  
47/47 - 3s - loss: 0.9664 - accuracy: 0.7528

Epoch 259/500  
47/47 - 3s - loss: 0.9687 - accuracy: 0.7566  
Epoch 260/500  
47/47 - 3s - loss: 0.9530 - accuracy: 0.7562  
Epoch 261/500  
47/47 - 3s - loss: 0.9554 - accuracy: 0.7601  
Epoch 262/500  
47/47 - 3s - loss: 0.9564 - accuracy: 0.7575  
Epoch 263/500  
47/47 - 3s - loss: 0.9553 - accuracy: 0.7502  
Epoch 264/500  
47/47 - 3s - loss: 0.9474 - accuracy: 0.7635  
Epoch 265/500  
47/47 - 3s - loss: 0.9410 - accuracy: 0.7644  
Epoch 266/500  
47/47 - 3s - loss: 0.9289 - accuracy: 0.7645  
Epoch 267/500  
47/47 - 3s - loss: 0.9136 - accuracy: 0.7704  
Epoch 268/500  
47/47 - 4s - loss: 0.9050 - accuracy: 0.7702  
Epoch 269/500  
47/47 - 3s - loss: 0.8898 - accuracy: 0.7761  
Epoch 270/500  
47/47 - 3s - loss: 0.8962 - accuracy: 0.7743  
Epoch 271/500  
47/47 - 3s - loss: 0.8927 - accuracy: 0.7727  
Epoch 272/500  
47/47 - 3s - loss: 0.8942 - accuracy: 0.7708  
Epoch 273/500  
47/47 - 3s - loss: 0.8764 - accuracy: 0.7789  
Epoch 274/500  
47/47 - 3s - loss: 0.8684 - accuracy: 0.7791  
Epoch 275/500  
47/47 - 3s - loss: 0.8590 - accuracy: 0.7866  
Epoch 276/500  
47/47 - 3s - loss: 0.8443 - accuracy: 0.7890  
Epoch 277/500  
47/47 - 3s - loss: 0.8484 - accuracy: 0.7855  
Epoch 278/500  
47/47 - 3s - loss: 0.8536 - accuracy: 0.7834  
Epoch 279/500  
47/47 - 3s - loss: 0.8658 - accuracy: 0.7825  
Epoch 280/500  
47/47 - 3s - loss: 0.8388 - accuracy: 0.7853

Epoch 281/500  
47/47 - 3s - loss: 0.8272 - accuracy: 0.7919  
Epoch 282/500  
47/47 - 3s - loss: 0.8122 - accuracy: 0.7990  
Epoch 283/500  
47/47 - 4s - loss: 0.7936 - accuracy: 0.8038  
Epoch 284/500  
47/47 - 3s - loss: 0.7746 - accuracy: 0.8105  
Epoch 285/500  
47/47 - 4s - loss: 0.7774 - accuracy: 0.8050  
Epoch 286/500  
47/47 - 4s - loss: 0.7821 - accuracy: 0.8100  
Epoch 287/500  
47/47 - 3s - loss: 0.8033 - accuracy: 0.7990  
Epoch 288/500  
47/47 - 3s - loss: 0.7990 - accuracy: 0.7981  
Epoch 289/500  
47/47 - 3s - loss: 0.7703 - accuracy: 0.8117  
Epoch 290/500  
47/47 - 3s - loss: 0.7611 - accuracy: 0.8096  
Epoch 291/500  
47/47 - 3s - loss: 0.7459 - accuracy: 0.8213  
Epoch 292/500  
47/47 - 3s - loss: 0.7303 - accuracy: 0.8231  
Epoch 293/500  
47/47 - 3s - loss: 0.7202 - accuracy: 0.8245  
Epoch 294/500  
47/47 - 3s - loss: 0.7166 - accuracy: 0.8307  
Epoch 295/500  
47/47 - 3s - loss: 0.7133 - accuracy: 0.8270  
Epoch 296/500  
47/47 - 3s - loss: 0.7164 - accuracy: 0.8247  
Epoch 297/500  
47/47 - 3s - loss: 0.7175 - accuracy: 0.8236  
Epoch 298/500  
47/47 - 3s - loss: 0.7312 - accuracy: 0.8178  
Epoch 299/500  
47/47 - 3s - loss: 0.7313 - accuracy: 0.8169  
Epoch 300/500  
47/47 - 3s - loss: 0.7038 - accuracy: 0.8240  
Epoch 301/500  
47/47 - 3s - loss: 0.6872 - accuracy: 0.8327  
Epoch 302/500  
47/47 - 3s - loss: 0.6765 - accuracy: 0.8348

Epoch 303/500  
47/47 - 4s - loss: 0.6782 - accuracy: 0.8352  
Epoch 304/500  
47/47 - 3s - loss: 0.6564 - accuracy: 0.8424  
Epoch 305/500  
47/47 - 3s - loss: 0.6587 - accuracy: 0.8396  
Epoch 306/500  
47/47 - 3s - loss: 0.6405 - accuracy: 0.8440  
Epoch 307/500  
47/47 - 3s - loss: 0.6346 - accuracy: 0.8490  
Epoch 308/500  
47/47 - 3s - loss: 0.6309 - accuracy: 0.8483  
Epoch 309/500  
47/47 - 4s - loss: 0.6310 - accuracy: 0.8511  
Epoch 310/500  
47/47 - 4s - loss: 0.6118 - accuracy: 0.8520  
Epoch 311/500  
47/47 - 4s - loss: 0.6147 - accuracy: 0.8543  
Epoch 312/500  
47/47 - 4s - loss: 0.6218 - accuracy: 0.8559  
Epoch 313/500  
47/47 - 4s - loss: 0.6211 - accuracy: 0.8554  
Epoch 314/500  
47/47 - 4s - loss: 0.6122 - accuracy: 0.8540  
Epoch 315/500  
47/47 - 4s - loss: 0.6071 - accuracy: 0.8577  
Epoch 316/500  
47/47 - 4s - loss: 0.6105 - accuracy: 0.8533  
Epoch 317/500  
47/47 - 4s - loss: 0.5884 - accuracy: 0.8582  
Epoch 318/500  
47/47 - 3s - loss: 0.5794 - accuracy: 0.8652  
Epoch 319/500  
47/47 - 4s - loss: 0.6139 - accuracy: 0.8529  
Epoch 320/500  
47/47 - 3s - loss: 0.6127 - accuracy: 0.8508  
Epoch 321/500  
47/47 - 3s - loss: 0.5923 - accuracy: 0.8621  
Epoch 322/500  
47/47 - 4s - loss: 0.5600 - accuracy: 0.8701  
Epoch 323/500  
47/47 - 4s - loss: 0.5597 - accuracy: 0.8660  
Epoch 324/500  
47/47 - 4s - loss: 0.5827 - accuracy: 0.8628

Epoch 325/500  
47/47 - 3s - loss: 0.6062 - accuracy: 0.8513  
Epoch 326/500  
47/47 - 4s - loss: 0.6505 - accuracy: 0.8345  
Epoch 327/500  
47/47 - 4s - loss: 0.6482 - accuracy: 0.8320  
Epoch 328/500  
47/47 - 4s - loss: 0.6245 - accuracy: 0.8455  
Epoch 329/500  
47/47 - 3s - loss: 0.5737 - accuracy: 0.8595  
Epoch 330/500  
47/47 - 3s - loss: 0.5469 - accuracy: 0.8722  
Epoch 331/500  
47/47 - 3s - loss: 0.5148 - accuracy: 0.8873  
Epoch 332/500  
47/47 - 3s - loss: 0.4896 - accuracy: 0.8902  
Epoch 333/500  
47/47 - 3s - loss: 0.4744 - accuracy: 0.8983  
Epoch 334/500  
47/47 - 3s - loss: 0.4665 - accuracy: 0.9003  
Epoch 335/500  
47/47 - 4s - loss: 0.4711 - accuracy: 0.8951  
Epoch 336/500  
47/47 - 4s - loss: 0.4584 - accuracy: 0.9019  
Epoch 337/500  
47/47 - 3s - loss: 0.4504 - accuracy: 0.9038  
Epoch 338/500  
47/47 - 3s - loss: 0.4487 - accuracy: 0.9033  
Epoch 339/500  
47/47 - 4s - loss: 0.4437 - accuracy: 0.9074  
Epoch 340/500  
47/47 - 4s - loss: 0.4377 - accuracy: 0.9095  
Epoch 341/500  
47/47 - 4s - loss: 0.4388 - accuracy: 0.9042  
Epoch 342/500  
47/47 - 4s - loss: 0.4422 - accuracy: 0.9083  
Epoch 343/500  
47/47 - 4s - loss: 0.4430 - accuracy: 0.9037  
Epoch 344/500  
47/47 - 3s - loss: 0.4503 - accuracy: 0.9021  
Epoch 345/500  
47/47 - 3s - loss: 0.4523 - accuracy: 0.8978  
Epoch 346/500  
47/47 - 4s - loss: 0.4697 - accuracy: 0.8957



Epoch 347/500  
47/47 - 4s - loss: 0.4753 - accuracy: 0.8896  
Epoch 348/500  
47/47 - 4s - loss: 0.4850 - accuracy: 0.8875  
Epoch 349/500  
47/47 - 4s - loss: 0.5066 - accuracy: 0.8758  
Epoch 350/500  
47/47 - 3s - loss: 0.4849 - accuracy: 0.8884  
Epoch 351/500  
47/47 - 4s - loss: 0.4769 - accuracy: 0.8852  
Epoch 352/500  
47/47 - 3s - loss: 0.4699 - accuracy: 0.8893  
Epoch 353/500  
47/47 - 3s - loss: 0.4592 - accuracy: 0.8932  
Epoch 354/500  
47/47 - 4s - loss: 0.4535 - accuracy: 0.8974  
Epoch 355/500  
47/47 - 4s - loss: 0.4154 - accuracy: 0.9088  
Epoch 356/500  
47/47 - 4s - loss: 0.3973 - accuracy: 0.9168  
Epoch 357/500  
47/47 - 4s - loss: 0.3916 - accuracy: 0.9159  
Epoch 358/500  
47/47 - 4s - loss: 0.3659 - accuracy: 0.9241  
Epoch 359/500  
47/47 - 4s - loss: 0.3490 - accuracy: 0.9322  
Epoch 360/500  
47/47 - 4s - loss: 0.3434 - accuracy: 0.9294  
Epoch 361/500  
47/47 - 3s - loss: 0.3316 - accuracy: 0.9384  
Epoch 362/500  
47/47 - 3s - loss: 0.3289 - accuracy: 0.9368  
Epoch 363/500  
47/47 - 3s - loss: 0.3287 - accuracy: 0.9335  
Epoch 364/500  
47/47 - 3s - loss: 0.3271 - accuracy: 0.9383  
Epoch 365/500  
47/47 - 3s - loss: 0.3260 - accuracy: 0.9365  
Epoch 366/500  
47/47 - 3s - loss: 0.3218 - accuracy: 0.9391  
Epoch 367/500  
47/47 - 3s - loss: 0.3136 - accuracy: 0.9429  
Epoch 368/500  
47/47 - 3s - loss: 0.3149 - accuracy: 0.9406

Epoch 369/500  
47/47 - 3s - loss: 0.3344 - accuracy: 0.9326  
Epoch 370/500  
47/47 - 3s - loss: 0.3532 - accuracy: 0.9280  
Epoch 371/500  
47/47 - 3s - loss: 0.3811 - accuracy: 0.9175  
Epoch 372/500  
47/47 - 3s - loss: 0.4477 - accuracy: 0.8960  
Epoch 373/500  
47/47 - 3s - loss: 0.5748 - accuracy: 0.8414  
Epoch 374/500  
47/47 - 3s - loss: 0.5403 - accuracy: 0.8559  
Epoch 375/500  
47/47 - 3s - loss: 0.4772 - accuracy: 0.8749  
Epoch 376/500  
47/47 - 3s - loss: 0.4860 - accuracy: 0.8818  
Epoch 377/500  
47/47 - 3s - loss: 0.4724 - accuracy: 0.8801  
Epoch 378/500  
47/47 - 3s - loss: 0.3937 - accuracy: 0.9088  
Epoch 379/500  
47/47 - 4s - loss: 0.3255 - accuracy: 0.9329  
Epoch 380/500  
47/47 - 3s - loss: 0.3011 - accuracy: 0.9423  
Epoch 381/500  
47/47 - 4s - loss: 0.2849 - accuracy: 0.9491  
Epoch 382/500  
47/47 - 3s - loss: 0.2684 - accuracy: 0.9521  
Epoch 383/500  
47/47 - 3s - loss: 0.2616 - accuracy: 0.9532  
Epoch 384/500  
47/47 - 3s - loss: 0.2504 - accuracy: 0.9569  
Epoch 385/500  
47/47 - 3s - loss: 0.2544 - accuracy: 0.9549  
Epoch 386/500  
47/47 - 3s - loss: 0.2458 - accuracy: 0.9588  
Epoch 387/500  
47/47 - 3s - loss: 0.2378 - accuracy: 0.9603  
Epoch 388/500  
47/47 - 4s - loss: 0.2335 - accuracy: 0.9599  
Epoch 389/500  
47/47 - 3s - loss: 0.2342 - accuracy: 0.9611  
Epoch 390/500  
47/47 - 3s - loss: 0.2305 - accuracy: 0.9634

Epoch 391/500  
47/47 - 3s - loss: 0.2267 - accuracy: 0.9608  
Epoch 392/500  
47/47 - 3s - loss: 0.2200 - accuracy: 0.9661  
Epoch 393/500  
47/47 - 4s - loss: 0.2184 - accuracy: 0.9659  
Epoch 394/500  
47/47 - 4s - loss: 0.2150 - accuracy: 0.9665  
Epoch 395/500  
47/47 - 3s - loss: 0.2139 - accuracy: 0.9663  
Epoch 396/500  
47/47 - 3s - loss: 0.2077 - accuracy: 0.9684  
Epoch 397/500  
47/47 - 3s - loss: 0.2109 - accuracy: 0.9682  
Epoch 398/500  
47/47 - 3s - loss: 0.2150 - accuracy: 0.9677  
Epoch 399/500  
47/47 - 3s - loss: 0.2455 - accuracy: 0.9556  
Epoch 400/500  
47/47 - 4s - loss: 0.2641 - accuracy: 0.9524  
Epoch 401/500  
47/47 - 4s - loss: 0.2919 - accuracy: 0.9436  
Epoch 402/500  
47/47 - 4s - loss: 0.3157 - accuracy: 0.9322  
Epoch 403/500  
47/47 - 3s - loss: 0.3418 - accuracy: 0.9207  
Epoch 404/500  
47/47 - 4s - loss: 0.4255 - accuracy: 0.8891  
Epoch 405/500  
47/47 - 3s - loss: 0.3698 - accuracy: 0.9083  
Epoch 406/500  
47/47 - 3s - loss: 0.3335 - accuracy: 0.9210  
Epoch 407/500  
47/47 - 4s - loss: 0.3171 - accuracy: 0.9290  
Epoch 408/500  
47/47 - 4s - loss: 0.2459 - accuracy: 0.9544  
Epoch 409/500  
47/47 - 3s - loss: 0.2043 - accuracy: 0.9650  
Epoch 410/500  
47/47 - 3s - loss: 0.1853 - accuracy: 0.9716  
Epoch 411/500  
47/47 - 3s - loss: 0.1741 - accuracy: 0.9762  
Epoch 412/500  
47/47 - 3s - loss: 0.1694 - accuracy: 0.9762

Epoch 413/500  
47/47 - 4s - loss: 0.1634 - accuracy: 0.9803  
Epoch 414/500  
47/47 - 4s - loss: 0.1605 - accuracy: 0.9815  
Epoch 415/500  
47/47 - 4s - loss: 0.1743 - accuracy: 0.9755  
Epoch 416/500  
47/47 - 4s - loss: 0.1753 - accuracy: 0.9750  
Epoch 417/500  
47/47 - 4s - loss: 0.1636 - accuracy: 0.9785  
Epoch 418/500  
47/47 - 3s - loss: 0.1545 - accuracy: 0.9814  
Epoch 419/500  
47/47 - 3s - loss: 0.1499 - accuracy: 0.9824  
Epoch 420/500  
47/47 - 3s - loss: 0.1457 - accuracy: 0.9840  
Epoch 421/500  
47/47 - 3s - loss: 0.1426 - accuracy: 0.9824  
Epoch 422/500  
47/47 - 4s - loss: 0.1417 - accuracy: 0.9839  
Epoch 423/500  
47/47 - 3s - loss: 0.1407 - accuracy: 0.9830  
Epoch 424/500  
47/47 - 3s - loss: 0.1431 - accuracy: 0.9817  
Epoch 425/500  
47/47 - 3s - loss: 0.1380 - accuracy: 0.9847  
Epoch 426/500  
47/47 - 4s - loss: 0.1307 - accuracy: 0.9874  
Epoch 427/500  
47/47 - 4s - loss: 0.1259 - accuracy: 0.9894  
Epoch 428/500  
47/47 - 3s - loss: 0.1270 - accuracy: 0.9885  
Epoch 429/500  
47/47 - 4s - loss: 0.1265 - accuracy: 0.9878  
Epoch 430/500  
47/47 - 3s - loss: 0.1260 - accuracy: 0.9895  
Epoch 431/500  
47/47 - 3s - loss: 0.1678 - accuracy: 0.9801  
Epoch 432/500  
47/47 - 4s - loss: 0.3580 - accuracy: 0.9116  
Epoch 433/500  
47/47 - 4s - loss: 0.7995 - accuracy: 0.7759  
Epoch 434/500  
47/47 - 4s - loss: 0.7848 - accuracy: 0.7771

Epoch 435/500  
47/47 - 4s - loss: 0.5318 - accuracy: 0.8469  
Epoch 436/500  
47/47 - 4s - loss: 0.3625 - accuracy: 0.9067  
Epoch 437/500  
47/47 - 3s - loss: 0.2573 - accuracy: 0.9455  
Epoch 438/500  
47/47 - 3s - loss: 0.1963 - accuracy: 0.9679  
Epoch 439/500  
47/47 - 3s - loss: 0.1521 - accuracy: 0.9794  
Epoch 440/500  
47/47 - 3s - loss: 0.1342 - accuracy: 0.9815  
Epoch 441/500  
47/47 - 3s - loss: 0.1220 - accuracy: 0.9879  
Epoch 442/500  
47/47 - 3s - loss: 0.1161 - accuracy: 0.9885  
Epoch 443/500  
47/47 - 3s - loss: 0.1104 - accuracy: 0.9886  
Epoch 444/500  
47/47 - 3s - loss: 0.1058 - accuracy: 0.9920  
Epoch 445/500  
47/47 - 3s - loss: 0.1045 - accuracy: 0.9917  
Epoch 446/500  
47/47 - 3s - loss: 0.1019 - accuracy: 0.9913  
Epoch 447/500  
47/47 - 3s - loss: 0.0990 - accuracy: 0.9925  
Epoch 448/500  
47/47 - 3s - loss: 0.0960 - accuracy: 0.9922  
Epoch 449/500  
47/47 - 3s - loss: 0.0930 - accuracy: 0.9936  
Epoch 450/500  
47/47 - 3s - loss: 0.0924 - accuracy: 0.9954  
Epoch 451/500  
47/47 - 3s - loss: 0.0919 - accuracy: 0.9940  
Epoch 452/500  
47/47 - 3s - loss: 0.0884 - accuracy: 0.9950  
Epoch 453/500  
47/47 - 3s - loss: 0.0873 - accuracy: 0.9956  
Epoch 454/500  
47/47 - 3s - loss: 0.0849 - accuracy: 0.9970  
Epoch 455/500  
47/47 - 3s - loss: 0.0846 - accuracy: 0.9947  
Epoch 456/500  
47/47 - 3s - loss: 0.0840 - accuracy: 0.9961

Epoch 457/500  
47/47 - 3s - loss: 0.0817 - accuracy: 0.9947  
Epoch 458/500  
47/47 - 3s - loss: 0.0792 - accuracy: 0.9975  
Epoch 459/500  
47/47 - 3s - loss: 0.0794 - accuracy: 0.9954  
Epoch 460/500  
47/47 - 4s - loss: 0.0771 - accuracy: 0.9965  
Epoch 461/500  
47/47 - 4s - loss: 0.0760 - accuracy: 0.9956  
Epoch 462/500  
47/47 - 4s - loss: 0.0770 - accuracy: 0.9963  
Epoch 463/500  
47/47 - 4s - loss: 0.0801 - accuracy: 0.9956  
Epoch 464/500  
47/47 - 4s - loss: 0.0780 - accuracy: 0.9959  
Epoch 465/500  
47/47 - 4s - loss: 0.0808 - accuracy: 0.9956  
Epoch 466/500  
47/47 - 4s - loss: 0.0793 - accuracy: 0.9949  
Epoch 467/500  
47/47 - 4s - loss: 0.0822 - accuracy: 0.9940  
Epoch 468/500  
47/47 - 4s - loss: 0.0909 - accuracy: 0.9936  
Epoch 469/500  
47/47 - 4s - loss: 0.1295 - accuracy: 0.9830  
Epoch 470/500  
47/47 - 4s - loss: 0.2476 - accuracy: 0.9429  
Epoch 471/500  
47/47 - 3s - loss: 0.4460 - accuracy: 0.8724  
Epoch 472/500  
47/47 - 4s - loss: 0.6377 - accuracy: 0.8164  
Epoch 473/500  
47/47 - 3s - loss: 0.5005 - accuracy: 0.8591  
Epoch 474/500  
47/47 - 3s - loss: 0.3350 - accuracy: 0.9076  
Epoch 475/500  
47/47 - 3s - loss: 0.2159 - accuracy: 0.9526  
Epoch 476/500  
47/47 - 3s - loss: 0.1422 - accuracy: 0.9775  
Epoch 477/500  
47/47 - 3s - loss: 0.1011 - accuracy: 0.9906  
Epoch 478/500  
47/47 - 3s - loss: 0.0800 - accuracy: 0.9950

Epoch 479/500  
47/47 - 3s - loss: 0.0716 - accuracy: 0.9968  
Epoch 480/500  
47/47 - 3s - loss: 0.0660 - accuracy: 0.9966  
Epoch 481/500  
47/47 - 3s - loss: 0.0635 - accuracy: 0.9972  
Epoch 482/500  
47/47 - 3s - loss: 0.0613 - accuracy: 0.9975  
Epoch 483/500  
47/47 - 3s - loss: 0.0596 - accuracy: 0.9979  
Epoch 484/500  
47/47 - 3s - loss: 0.0579 - accuracy: 0.9980  
Epoch 485/500  
47/47 - 3s - loss: 0.0567 - accuracy: 0.9982  
Epoch 486/500  
47/47 - 3s - loss: 0.0555 - accuracy: 0.9979  
Epoch 487/500  
47/47 - 3s - loss: 0.0578 - accuracy: 0.9972  
Epoch 488/500  
47/47 - 3s - loss: 0.0624 - accuracy: 0.9963  
Epoch 489/500  
47/47 - 3s - loss: 0.0565 - accuracy: 0.9980  
Epoch 490/500  
47/47 - 3s - loss: 0.0534 - accuracy: 0.9980  
Epoch 491/500  
47/47 - 3s - loss: 0.0513 - accuracy: 0.9977  
Epoch 492/500  
47/47 - 3s - loss: 0.0496 - accuracy: 0.9986  
Epoch 493/500  
47/47 - 3s - loss: 0.0484 - accuracy: 0.9986  
Epoch 494/500  
47/47 - 3s - loss: 0.0473 - accuracy: 0.9984  
Epoch 495/500  
47/47 - 3s - loss: 0.0460 - accuracy: 0.9993  
Epoch 496/500  
47/47 - 3s - loss: 0.0457 - accuracy: 0.9989  
Epoch 497/500  
47/47 - 3s - loss: 0.0448 - accuracy: 0.9989  
Epoch 498/500  
47/47 - 3s - loss: 0.0433 - accuracy: 0.9993  
Epoch 499/500  
47/47 - 4s - loss: 0.0433 - accuracy: 0.9988  
Epoch 500/500  
47/47 - 3s - loss: 0.0418 - accuracy: 0.9998

Out[63]:

<tensorflow.python.keras.callbacks.History at 0x27facd9e280>