163/163 [==============================] - 30s 112ms/step - loss: 0.8348 - accuracy: 0.8141 - val\_loss: 7.9818 - val\_accuracy: 0.5000

Epoch 2/13

163/163 [==============================] - 17s 106ms/step - loss: 0.2900 - accuracy: 0.8955 - val\_loss: 2.7117 - val\_accuracy: 0.5000

Epoch 3/13

163/163 [==============================] - 18s 109ms/step - loss: 0.1992 - accuracy: 0.9234 - val\_loss: 5.8436 - val\_accuracy: 0.5000

Epoch 00003: ReduceLROnPlateau reducing learning rate to 0.0003000000142492354.

Epoch 4/13

163/163 [==============================] - 18s 111ms/step - loss: 0.1725 - accuracy: 0.9411 - val\_loss: 4.0849 - val\_accuracy: 0.5000

Epoch 5/13

163/163 [==============================] - 17s 103ms/step - loss: 0.1616 - accuracy: 0.9427 - val\_loss: 1.1289 - val\_accuracy: 0.5625

Epoch 6/13

163/163 [==============================] - 17s 104ms/step - loss: 0.1378 - accuracy: 0.9467 - val\_loss: 3.3915 - val\_accuracy: 0.5000

Epoch 7/13

163/163 [==============================] - 17s 105ms/step - loss: 0.1423 - accuracy: 0.9486 - val\_loss: 3.4039 - val\_accuracy: 0.5000

Epoch 00007: ReduceLROnPlateau reducing learning rate to 9.000000427477062e-05.

Epoch 8/13

163/163 [==============================] - 17s 104ms/step - loss: 0.1169 - accuracy: 0.9596 - val\_loss: 0.6688 - val\_accuracy: 0.7500

Epoch 9/13

163/163 [==============================] - 17s 105ms/step - loss: 0.1221 - accuracy: 0.9583 - val\_loss: 0.9434 - val\_accuracy: 0.6875

Epoch 10/13

163/163 [==============================] - 17s 107ms/step - loss: 0.1169 - accuracy: 0.9582 - val\_loss: 0.3540 - val\_accuracy: 0.8125

Epoch 11/13

163/163 [==============================] - 17s 106ms/step - loss: 0.1081 - accuracy: 0.9600 - val\_loss: 0.3924 - val\_accuracy: 0.8125

Epoch 12/13

163/163 [==============================] - 17s 105ms/step - loss: 0.1013 - accuracy: 0.9627 - val\_loss: 2.9299 - val\_accuracy: 0.5000

Epoch 00012: ReduceLROnPlateau reducing learning rate to 2.700000040931627e-05.

Epoch 13/13

163/163 [==============================] - 16s 101ms/step - loss: 0.1151 - accuracy: 0.9609 - val\_loss: 0.9174 - val\_accuracy: 0.7500

20/20 [==============================] - 2s 68ms/step - loss: 0.2227 - accuracy: 0.9119

точность - 91.18589758872986 %