						_	-	
Epoch 1/100								
42000/42000 Epoch 2/100	[]	-	55	119us/step - 1	oss:	0.3/48	· acc:	: 0.883/
	[]	-	4s	92us/step - lo	ss:	0.0938 -	acc:	0.9712
Epoch 3/100								
	[=====]	-	4s	92us/step - lo	ss:	0.0691 -	acc:	0.9784
Epoch 4/100	[]		Λc	94us/sten = 10		0 0557 -	acc.	0 9828
Epoch 5/100			73	э-из/ эсср 10.		0.0557	ucc.	0.5020
	[]	-	4s	91us/step - lo	ss:	0.0467 -	acc:	0.9854
Epoch 6/100			1.	20us/sten la		0.0420		0.0055
Epoch 7/100	[]	-	45	89us/step - 10	55:	0.0438 -	acc:	0.9855
	[]	-	4s	89us/step - lo	ss:	0.0370 -	acc:	0.9883
Epoch 8/100								
	[======]	-	4s	92us/step - lo	ss:	0.0348 -	acc:	0.9886
Epoch 9/100 42000/42000	[]	_	45	93us/sten - 1o	55:	0.0311 -	acc:	0.9897
Epoch 10/100				,				
	[]	-	4s	92us/step - lo	ss:	0.0292 -	acc:	0.9907
Epoch 11/100			10	Odus/stop lo		0 0271	2001	a 0000
Epoch 12/100	[=======]	-	45	90us/step - 10	55:	0.02/1 -	acc:	0.9909
	[========]	-	4s	92us/step - lo	ss:	0.0262 -	acc:	0.9912
Epoch 13/100								
	[=========]	-	4s	91us/step - lo	ss:	0.0223 -	acc:	0.9925
Epoch 14/100 42000/42000	, [=========]	_	45	90us/sten - 10		0.0200 -	acc.	0.9938
Epoch 15/100				3003, 3ccp 10.		0.0200	ucc.	0.3330
42000/42000	[]	-	4s	90us/step - lo	ss:	0.0204 -	acc:	0.9933
Epoch 16/100			1.	01		0.0204		0.0020
Epoch 17/106	[=========]	-	45	91us/step - 10:	55:	0.0204 -	acc:	0.9930
	[]	-	4s	90us/step - lo	ss:	0.0173 -	acc:	0.9945
Epoch 18/100	9							
	[=======]	-	4s	90us/step - lo	ss:	0.0184 -	acc:	0.9937
Epoch 19/100 42000/42000) [==========]	_	Δc	90us/sten - 10	55.	0.0164 -	acc.	0.9946
Epoch 20/100			43	3003/3CEP - 10.		0.0104 -	acc.	0.5540
42000/42000	[]	-	4s	90us/step - lo	ss:	0.0147 -	acc:	0.9949
Epoch 21/100								
42000/42000 Epoch 22/100	, [======]	-	4s	90us/step - 1o	55:	0.0139 -	acc:	0.9950
	, []	_	4s	90us/step - los	ss:	0.0144 -	acc:	0.9950
Epoch 23/100	9							
	[========]	-	4s	89us/step - lo	ss:	0.0144 -	acc:	0.9952
Epoch 24/100) [==========]	_	10	91us/sten - lo		0 0110 -	300.	0 0062
Epoch 25/100			43	51u3/3cep - 10.		0.0119 -	acc.	0.5502
42000/42000	[]	-	4s	90us/step - lo	ss:	0.0126 -	acc:	0.9956
Epoch 26/100			4-	00/		0.0144		0.0053
42000/42000 Epoch 27/100	9	-	45	90us/step - 10	ss:	0.0144 -	acc:	0.9952
	, []	-	4s	91us/step - lo	ss:	0.0107 -	acc:	0.9963
Epoch 28/100	3							
	[========]	-	4s	91us/step - lo	55:	0.0131 -	acc:	0.9955
Epoch 29/100 42000/42000	, [=======]	_	4s	89us/step - lo	ss:	0.0104 -	acc:	0.9963
Epoch 30/100								
	[]	-	4s	89us/step - lo	ss:	0.0114 -	acc:	0.9963
Epoch 31/100	, [=========]		Λc	88us/sten = 10		0 0094 =	acc.	0 9969
Epoch 32/100			43	обиз/зсер - 10.		0.0054 -	acc.	0.5505
42000/42000	[]	-	4s	90us/step - lo	ss:	0.0115 -	acc:	0.9962
Epoch 33/100			4-	00/		0.0101		0.0000
Epoch 34/106	[=======]	-	45	90us/step - 10	55:	0.0101 -	acc:	0.9969
	[]	-	4s	90us/step - lo	ss:	0.0089 -	acc:	0.9972
Epoch 35/100								
42000/42000 Epoch 36/100	[========]	-	4s	91us/step - lo	ss:	0.0097 -	acc:	0.9966
	, [========]	_	4s	89us/step - los	ss:	0.0100 -	acc:	0.9967
Epoch 37/100				, ,				
	[=======]	-	4s	89us/step - lo	55:	0.0079 -	acc:	0.9974
Epoch 38/100	, [========]	_	45	89us/sten - 10		0.0090 -	acc.	0.9969
Epoch 39/100			73	озиз/ эсср 10.		0.0050	ucc.	0.5505
	[]	-	4s	92us/step - lo	ss:	0.0102 -	acc:	0.9965
Epoch 40/100) [========]		10	02us/ston lo		0 0000	2001	0 0071
Epoch 41/100		-	45	92us/step - 10:	55.	0.0050 -	acc.	0.55/1
	[======]	-	4s	92us/step - lo	ss:	0.0076 -	acc:	0.9976
Epoch 42/100								
42000/42000 Epoch 43/100	, [======]	-	45	88us/step - 10:	ss:	0.00// -	acc:	0.9974
	, [=========]	-	4s	91us/step - lo	ss:	0.0083 -	acc:	0.9971
Epoch 44/100								
	[=========]	-	4s	90us/step - lo	55:	0.0067 -	acc:	0.9979
Epoch 45/100 42000/42000	, [========]	_	45	89us/sten - 1o	55:	0.0067 -	acc:	0.9979
Epoch 46/100	9			·				
	[]	-	4s	91us/step - lo	ss:	0.0088 -	acc:	0.9970
Epoch 47/100) [========]		4-	90us/s+on 1-		0 0000	300.	0 0074
Epoch 48/106		-	+5	2003/Step - 10		0.0000 -	act:	0.77/4
42000/42000	[]	-	4s	90us/step - lo	ss:	0.0066 -	acc:	0.9979
Epoch 49/100				20:		0.000-		0 00==
42000/42000 Epoch 50/100	9	-	4s	90us/step - lo	55:	0.0086 -	acc:	0.9972
	, [=========]	-	4s	90us/step - lo	ss:	0.0070 -	acc:	0.9978
Epoch 51/100	9							
	[==========]	-	4s	91us/step - lo	ss:	0.0080 -	acc:	0.9973
Epoch 52/100 42000/42000) [=========]	_	Δc	93us/sten - 10	55.	0.0059 -	acc.	0.9921
Epoch 53/100			د.	, эсер - 10:	٠.			
42000/42000	[]	-	4s	89us/step - lo	ss:	0.0087 -	acc:	0.9972
Epoch 54/100) [========]		10	91115/ston 1-		0 0072	acc.	0 0075
Epoch 55/106		-	+5	2103/3CEP - 10	٠.	0.00/3 =	act.	3.22/3
42000/42000	[]	-	4s	90us/step - lo	ss:	0.0066 -	acc:	0.9979
Epoch 56/100			4-	90us/star 3		0 0000	200	0.0000
42000/42000 Epoch 57/100	9	-	45	ъэus/step - lo:	55:	o.0060 -	acc:	o.9980
	, 		Λe	Qaue/etan la		0 0072	3000	a 0077

```
- 45 שמעג/step - בושטים - פרשים - מכנ: מעבים - מכנ:
Epoch 58/100
42000/42000 [
                                                - 4s 89us/step - loss: 0.0082 - acc: 0.9975
Epoch 59/100
42000/42000 [
                                                  4s 90us/step - loss: 0.0048 - acc: 0.9985
Epoch 60/100
42000/42000 [
                                                  4s 89us/step - loss: 0.0074 - acc: 0.9975
Enoch 61/100
42000/42000 [
                                                  4s 88us/step - loss: 0.0067 - acc: 0.9979
Epoch 62/100
42000/42000
                                                                - loss: 0.0051 - acc: 0.9983
Epoch 63/100
42000/42000
                                                                  loss: 0.0056 - acc: 0.9982
Epoch 64/100
42000/42000 [
Epoch 65/100
                                                  4s 92us/step - loss: 0.0070 - acc: 0.9979
42000/42000 [
                                                  4s 93us/step - loss: 0.0074 - acc: 0.9978
Epoch 66/100
42000/42000 [=
                                                  4s 95us/step - loss: 0.0041 - acc: 0.9987
Epoch 67/100
42000/42000
                                                  4s 91us/step - loss: 0.0047 - acc: 0.9987
Epoch 68/100
42000/42000 [
                                                  4s 89us/step - loss: 0.0088 - acc: 0.9972
Epoch 69/100
42000/42000 [
                                                  4s 88us/step - loss: 0.0061 - acc: 0.9980
Enoch 70/100
42000/42000 [
                                                  4s 89us/step - loss: 0.0058 - acc: 0.9983
Epoch 71/100
42000/42000 [
                                                  4s 92us/step - loss: 0.0046 - acc: 0.9986
Epoch 72/100
42000/42000
                                                                - loss: 0.0061 - acc: 0.9982
Epoch 73/100
42000/42000
                                                  4s 89us/step
                                                               - loss: 0.0079 - acc: 0.9974
Epoch 74/100
42000/42000
                                                               - loss: 0.0059 - acc: 0.9982
                                                  4s 89us/step
Epoch 75/100
42000/42000 [
                                                  4s 87us/step - loss: 0.0044 - acc: 0.9987
Epoch 76/100
42000/42000 [
                                                  4s 91us/step
                                                               - loss: 0.0052 - acc: 0.9982
Epoch 77/100
42000/42000 [:
                                                  4s 90us/step - loss: 0.0062 - acc: 0.9981
Epoch 78/100
42000/42000
                                                  4s 90us/step - loss: 0.0046 - acc: 0.9987
Epoch 79/100
42000/42000 [:
                                                  4s 92us/step - loss: 0.0037 - acc: 0.9990
Epoch 80/100
42000/42000 [
                                                  4s 89us/step - loss: 0.0075 - acc: 0.9980
Epoch 81/100
42000/42000 [
                                                  4s 88us/step
                                                                - loss: 0.0050 - acc: 0.9985
Enoch 82/100
42000/42000
                                                  4s 89us/step - loss: 0.0044 - acc: 0.9986
Epoch 83/100
42000/42000
Epoch 84/100
42000/42000 [
                                                                - loss: 0.0066 - acc: 0.9981
Epoch 85/100
                                                  4s 90us/step
42000/42000 [
                                                               - loss: 0.0043 - acc: 0.9987
Epoch 86/100
42000/42000 [
                                                  4s 88us/step - loss: 0.0049 - acc: 0.9987
Epoch 87/100
42000/42000 [
                                                  4s 90us/step - loss: 0.0046 - acc: 0.9987
Epoch 88/100
42000/42000 [
                                                  4s 89us/step - loss: 0.0058 - acc: 0.9984
Epoch 89/100
42000/42000 [
                                                  4s 91us/step - loss: 0.0047 - acc: 0.9987
Epoch 90/100
42000/42000 [
                                                  4s 91us/step - loss: 0.0053 - acc: 0.9985
Enoch 91/100
42000/42000 [
                                                  4s 92us/step - loss: 0.0044 - acc: 0.9986
Epoch 92/100
42000/42000
Epoch 93/100
42000/42000 [
                                                                - loss: 0.0052 - acc: 0.9985
Epoch 94/100
42000/42000
                                                                  loss: 0.0044 - acc: 0.9986
Epoch 95/100
42000/42000 [
                                                  4s 89us/step
                                                               - loss: 0.0052 - acc: 0.9984
Epoch 96/100
42000/42000 [
                                                  4s 90us/step - loss: 0.0057 - acc: 0.9982
Epoch 97/100
42000/42000 [
                                                  4s 91us/step - loss: 0.0049 - acc: 0.9985
Epoch 98/100
42000/42000 [
                                                  4s 91us/step - loss: 0.0040 - acc: 0.9988
Epoch 99/100
42000/42000 [
                                                - 4s 94us/step - loss: 0.0045 - acc: 0.9987
Epoch 100/100
42000/42000 [=
                                            ==] - 4s 90us/step - loss: 0.0046 - acc: 0.9986
Model: "sequential_16"
Layer (type)
                              Output Shape
                                                          Param #
conv2d 46 (Conv2D)
                               (None, 24, 24, 30)
                                                          780
max_pooling2d_29 (MaxPooling (None, 12, 12, 30)
                                                          0
conv2d 47 (Conv2D)
                                                           4065
                               (None, 10, 10, 15)
max_pooling2d_30 (MaxPooling (None, 5, 5, 15)
                                                           0
dropout_18 (Dropout)
                               (None, 5, 5, 15)
                                                           0
flatten_15 (Flatten)
                               (None, 375)
                                                           0
dense_34 (Dense)
                                                           48128
                               (None, 128)
dense 35 (Dense)
                               (None, 50)
                                                           6450
dense_36 (Dense)
                               (None, 10)
                                                           510
Total params: 59,933
Trainable params: 59,933
Non-trainable params: 0
```

https://colab.research.google.com/drive/1I7XbE-ht39a5belPaq5H-k__Imzeh_A4#printMode=true