	Epoch 1	Epoch 2	Epoch 3	Epoch 4	Epoch 5	Epoch 6	Epoch 7	Epoch 8	Epoch 9	Epoch 10	각 실험은 3회씩	
Loss	0.1697	0.1511	0.1289	0.0964	0.093	0.0939	0.0895	0.0875	0.0828	0.0788		
Accurarcy	94.75	95.44	96.05	96.92	97.1	97.2	97.26	97.41	97.53	97.76		
Loss	0.1757	0.1137	0.0936	0.0836	0.0861	0.0738	0.0696	0.0694	0.0687	0.0692		
Accurarcy	94.41	96.46	97.13	97.31	97.35	97.82	97.94	97.94	98	97.91	step_size=1,lr=0.	01
Loss	0.0983	0.0657	0.0573	0.0457	0.0453	0.0419	0.0449	0.0419	0.0451	0.0471		
Accurarcy	97.15	98.08	98.42	98.65	98.75	98.81	98.91	98.99	99.07	99.05		
Loss	0.1074	0.104	0.0782	0.0731	0.0554	0.055	0.0498	0.0522	0.0517	0.0486		
Accurarcy	96.52	96.97	97.45	97.72	98.34	98.43	98.62	98.51	98.62	98.72		
Loss	0.1235	0.0832	0.0857	0.0608	0.0544	0.0525	0.054	0.052	0.0486	0.0506		
Accurarcy	96.41	97.55	97.44	98.14	98.38	98.45	98.53	98.66	98.64	98.63		
	Epoch 1	Epoch 2	Epoch 3	Epoch 4	Epoch 5	Epoch 6	Epoch 7	Epoch 8	Epoch 9	Epoch 10		
Loss	0.0543	0.0421	0.0457	0.0346	0.0339	0.029	0.0339	0.0333	0.0333	0.0356		
Accurarcy	98.12	98.63	98.58	98.88	99.1	99.26	99.25	99.24	99.26	99.28	gamma=0.725,step_size=1	
Loss	0.0502	0.0377	0.0268	0.034	0.0282	0.0264	0.0271	0.0271	0.0271	0.0286		
Accurarcy	98.26	98.76	99	98.84	99.11	99.25	99.2	99.11	99.2	99.14		
Loss	0.0422	0.0268	0.0267	0.0314	0.0283	0.0296	0.0288	0.0316	0.0302	0.0319		
Accurarcy	98.59	99.12	99.19	99.08	99.15	99.24	99.26	99.17	99.36	99.32		
o Cabadulina)	Enoch 1	Enoch 2	Enoch 2	Enoch 4	Enoch F	Enoch 6	Enoch 7	Enoch 9	Enoch 0	Enoch 10		
O,	•	•	•		•							
Accuracy	98.48		98.7									
	Accurarcy Loss Accurarcy	Loss 0.1697 Accurarcy 94.75 Loss 0.1757 Accurarcy 94.41 Loss 0.0983 Accurarcy 97.15 Loss 0.1074 Accurarcy 96.52 Loss 0.1235 Accurarcy 96.41  Epoch 1  Loss 0.0543 Accurarcy 98.12 Loss 0.0502 Accurarcy 98.26 Loss 0.0422 Accurarcy 98.59  The Scheduling Epoch 1  Loss 0.0425 Accurarcy 98.59  The Scheduling Epoch 1  Loss 0.0445 Accuracy 98.55 Loss 0.045 Accuracy 98.53 Loss 0.0521	Loss         0.1697         0.1511           Accurarcy         94.75         95.44           Loss         0.1757         0.1137           Accurarcy         94.41         96.46           Loss         0.0983         0.0657           Accurarcy         97.15         98.08           Loss         0.1074         0.104           Accurarcy         96.52         96.97           Loss         0.1235         0.0832           Accurarcy         96.41         97.55           Epoch 1         Epoch 2           Loss         0.0543         0.0421           Accurarcy         98.12         98.63           Loss         0.0502         0.0377           Accurarcy         98.26         98.76           Loss         0.0422         0.0268           Accurarcy         98.59         99.12           se Scheduling)         Epoch 1         Epoch 2           Loss         0.0445         0.0524           Accuracy         98.55         98.33           Loss         0.045         0.0353           Accuracy         98.53         98.88           Loss         0.0521         0	Loss         0.1697         0.1511         0.1289           Accurarcy         94.75         95.44         96.05           Loss         0.1757         0.1137         0.0936           Accurarcy         94.41         96.46         97.13           Loss         0.0983         0.0657         0.0573           Accurarcy         97.15         98.08         98.42           Loss         0.1074         0.104         0.0782           Accurarcy         96.52         96.97         97.45           Loss         0.1235         0.0832         0.0857           Accurarcy         96.41         97.55         97.44           Loss         0.0543         0.0421         0.0457           Accurarcy         98.12         98.63         98.58           Loss         0.0502         0.0377         0.0268           Accurarcy         98.26         98.76         99           Loss         0.0422         0.0268         0.0267           Accurarcy         98.59         99.12         99.19           ee Scheduling)         Epoch 1         Epoch 2         Epoch 3           Loss         0.0445         0.0524         0.0479<	Loss         0.1697         0.1511         0.1289         0.0964           Accurarcy         94.75         95.44         96.05         96.92           Loss         0.1757         0.1137         0.0936         0.0836           Accurarcy         94.41         96.46         97.13         97.31           Loss         0.0983         0.0657         0.0573         0.0457           Accurarcy         97.15         98.08         98.42         98.65           Loss         0.1074         0.104         0.0782         0.0731           Accurarcy         96.52         96.97         97.45         97.72           Loss         0.1235         0.0832         0.0857         0.0608           Accurarcy         96.41         97.55         97.44         98.14           Loss         0.0543         0.0421         0.0457         0.0346           Accurarcy         98.12         98.63         98.58         98.88           Loss         0.0502         0.0377         0.0268         0.034           Accurarcy         98.26         98.76         99         98.84           Loss         0.0422         0.0268         0.0267         0.0314 <td>Loss         0.1697         0.1511         0.1289         0.0964         0.093           Accurarcy         94.75         95.44         96.05         96.92         97.1           Loss         0.1757         0.1137         0.0936         0.0836         0.0861           Accurarcy         94.41         96.46         97.13         97.31         97.35           Loss         0.0983         0.0657         0.0573         0.0457         0.0453           Accurarcy         97.15         98.08         98.42         98.65         98.75           Loss         0.1074         0.104         0.0782         0.0731         0.0554           Accurarcy         96.52         96.97         97.45         97.72         98.34           Loss         0.1235         0.0832         0.0857         0.0608         0.0544           Accurarcy         96.41         97.55         97.44         98.14         98.38           Loss         0.0543         0.0421         0.0457         0.0346         0.0339           Accurarcy         98.12         98.63         98.58         98.88         99.1           Loss         0.0502         0.0377         0.0268         0</td> <td>Loss         0.1697         0.1511         0.1289         0.0964         0.093         0.0939           Accurarcy         94.75         95.44         96.05         96.92         97.1         97.2           Loss         0.1757         0.1137         0.0936         0.0836         0.0861         0.0738           Accurarcy         94.41         96.46         97.13         97.31         97.35         97.82           Loss         0.0983         0.0657         0.0573         0.0457         0.0453         0.0413           Accurarcy         97.15         98.08         98.42         98.65         98.75         98.81           Loss         0.1074         0.104         0.0782         0.0731         0.0554         0.055           Accurarcy         96.52         96.97         97.45         97.72         98.34         98.43           Loss         0.1235         0.0832         0.0857         0.0608         0.0544         0.055           Accurarcy         96.41         97.55         97.44         98.14         98.38         98.45           Loss         0.0543         0.0421         0.0457         0.0346         0.0339         0.029</td> <td>Loss         0.1697         0.1511         0.1289         0.0964         0.093         0.0939         0.0895           Accurarcy         94.75         95.44         96.05         96.92         97.1         97.2         97.26           Loss         0.1757         0.1137         0.0936         0.0836         0.0861         0.0738         0.0696           Accurarcy         94.41         96.46         97.13         97.31         97.35         97.82         97.94           Loss         0.0983         0.0657         0.0573         0.0457         0.0453         0.0419         0.0449           Accurarcy         97.15         98.08         98.42         98.65         98.75         98.81         98.91           Loss         0.1074         0.104         0.0782         0.0731         0.0554         0.055         0.0488           Accurarcy         96.52         96.97         97.45         97.72         98.34         98.43         98.62           Loss         0.1235         0.0832         0.0857         0.0608         0.0544         0.0525         0.054           Accurarcy         96.41         97.55         97.44         98.14         98.38         98.53</td> <td>Loss         0.1697         0.1511         0.1289         0.0964         0.093         0.0939         0.0895         0.0875           Accurarcy         94.75         95.44         96.05         96.92         97.1         97.2         97.26         97.41           Loss         0.1757         0.1137         0.0936         0.0861         0.0738         0.0696         0.0694           Accurarcy         94.41         96.46         97.13         90.345         0.0483         0.0419         0.0449         97.94           Loss         0.0983         0.0667         0.0573         0.0457         0.0453         0.0419         0.0449         90.419           Accurarcy         97.15         98.08         98.42         98.65         98.75         98.81         98.91         98.99           Loss         0.1074         0.104         0.0782         0.0731         0.0554         0.055         0.0498         0.0522           Accurarcy         96.52         96.97         97.45         97.72         98.34         98.43         98.62         98.51           Loss         0.1235         0.0832         0.0857         0.0608         0.0544         0.0522         0.052</td> <td>Loss         0.1697         0.1511         0.1289         0.0964         0.093         0.0939         0.0895         0.0875         0.0828           Accurarcy         94.75         95.44         96.05         96.92         97.1         97.2         97.26         97.41         97.53           Loss         0.1757         0.1137         0.0936         0.0836         0.0861         0.0738         0.0696         0.0694         0.0698           Loss         0.0983         0.0657         0.0573         0.0457         0.0453         0.0419         0.0449         0.0419         0.0451           Accurarcy         97.15         98.08         98.42         98.65         98.75         98.81         98.91         98.99         99.07           Loss         0.1074         0.104         0.0782         0.0731         0.0554         0.055         0.0498         0.0522         0.0511           Loss         0.1074         0.104         0.0782         0.0731         0.0554         0.055         0.0488         0.0522         0.0511           Loss         0.1235         0.0832         0.0857         0.0608         0.0544         0.0525         0.054         0.052         0.0486      &lt;</td> <td>  Loss   0.1697   0.1511   0.1289   0.0964   0.093   0.0939   0.0895   0.0875   0.0828   0.0788   0.0278   0.0274   0.0278   0.0288   0.0788   0.0286   0.0286   0.0286   0.0286   0.0286   0.0288   0.0287   0.0288   0.0288   0.0288   0.0288   0.0288   0.0287   0.0288   0.02</td> <td>Loss 0.1697 0.1511 0.1289 0.0964 0.093 0.0939 0.0895 0.0875 0.0828 0.0788   Cacurarcy 94.75 95.44 96.05 96.92 97.1 97.2 97.26 97.41 97.53 97.76   Cacurarcy 94.75 0.0137 0.0936 0.0836 0.0861 0.0738 0.0696 0.0894 0.0887 0.0892   Cacurarcy 94.41 98.46 97.13 97.31 97.35 97.55 97.82 97.94 97.94 98 97.91   Step_size=1,i=0. Cacurarcy 97.15 98.08 98.42 98.65 98.75 98.81 98.91 98.99 99.07 99.05   Cacurarcy 97.15 98.08 98.42 98.65 98.75 98.81 98.91 98.99 99.07 99.05   Cacurarcy 97.15 98.08 98.42 98.65 98.75 98.81 98.91 98.99 99.07 99.05   Cacurarcy 97.15 98.08 98.42 98.65 98.75 98.81 98.91 98.07 99.05   Cacurarcy 97.15 98.08 98.42 98.65 98.75 98.81 98.91 98.07 99.05   Cacurarcy 98.52 96.97 97.45 97.72 98.34 98.43 98.65 98.51 98.62 98.51 98.62 98.72   Cacurarcy 98.52 96.97 97.44 98.14 98.38 98.45 98.65 98.51 98.66 98.64 98.63   Cacurarcy 98.64 97.55 97.44 98.14 98.38 98.45 98.55 98.66 98.64 98.63   Cacurarcy 98.14 98.65 97.44 98.14 98.38 98.45 98.55 98.66 98.64 98.63   Cacurarcy 98.12 98.65 97.44 98.14 98.38 98.45 98.55 98.66 98.64 98.63   Cacurarcy 98.12 98.65 97.44 98.14 98.38 98.45 98.55 98.66 98.64 98.63   Cacurarcy 98.12 98.65 98.88 99.1 99.26 99.25   Cacurarcy 98.12 98.65 98.88 99.1 99.26 99.25   Spoch 10   Cacurarcy 98.12 98.65 98.88 99.1 99.26 99.25 99.24 99.26 99.28 99.28   Cacurarcy 98.12 98.66 98.69 98.89 99.1 99.26 99.25 99.24 99.26 99.28   Cacurarcy 98.26 98.76 99 98.84 99.11 99.25 99.24 99.26 99.28 99.14   Cacurarcy 98.50 99.12 99.14   Cacurarcy 98.50 98.50 98.76 99.89 98.89 99.15 99.26 99.26 99.11 99.2 99.14   Cacurarcy 98.50 99.12 99.19 99.19 99.10 99.1</td>	Loss         0.1697         0.1511         0.1289         0.0964         0.093           Accurarcy         94.75         95.44         96.05         96.92         97.1           Loss         0.1757         0.1137         0.0936         0.0836         0.0861           Accurarcy         94.41         96.46         97.13         97.31         97.35           Loss         0.0983         0.0657         0.0573         0.0457         0.0453           Accurarcy         97.15         98.08         98.42         98.65         98.75           Loss         0.1074         0.104         0.0782         0.0731         0.0554           Accurarcy         96.52         96.97         97.45         97.72         98.34           Loss         0.1235         0.0832         0.0857         0.0608         0.0544           Accurarcy         96.41         97.55         97.44         98.14         98.38           Loss         0.0543         0.0421         0.0457         0.0346         0.0339           Accurarcy         98.12         98.63         98.58         98.88         99.1           Loss         0.0502         0.0377         0.0268         0	Loss         0.1697         0.1511         0.1289         0.0964         0.093         0.0939           Accurarcy         94.75         95.44         96.05         96.92         97.1         97.2           Loss         0.1757         0.1137         0.0936         0.0836         0.0861         0.0738           Accurarcy         94.41         96.46         97.13         97.31         97.35         97.82           Loss         0.0983         0.0657         0.0573         0.0457         0.0453         0.0413           Accurarcy         97.15         98.08         98.42         98.65         98.75         98.81           Loss         0.1074         0.104         0.0782         0.0731         0.0554         0.055           Accurarcy         96.52         96.97         97.45         97.72         98.34         98.43           Loss         0.1235         0.0832         0.0857         0.0608         0.0544         0.055           Accurarcy         96.41         97.55         97.44         98.14         98.38         98.45           Loss         0.0543         0.0421         0.0457         0.0346         0.0339         0.029	Loss         0.1697         0.1511         0.1289         0.0964         0.093         0.0939         0.0895           Accurarcy         94.75         95.44         96.05         96.92         97.1         97.2         97.26           Loss         0.1757         0.1137         0.0936         0.0836         0.0861         0.0738         0.0696           Accurarcy         94.41         96.46         97.13         97.31         97.35         97.82         97.94           Loss         0.0983         0.0657         0.0573         0.0457         0.0453         0.0419         0.0449           Accurarcy         97.15         98.08         98.42         98.65         98.75         98.81         98.91           Loss         0.1074         0.104         0.0782         0.0731         0.0554         0.055         0.0488           Accurarcy         96.52         96.97         97.45         97.72         98.34         98.43         98.62           Loss         0.1235         0.0832         0.0857         0.0608         0.0544         0.0525         0.054           Accurarcy         96.41         97.55         97.44         98.14         98.38         98.53	Loss         0.1697         0.1511         0.1289         0.0964         0.093         0.0939         0.0895         0.0875           Accurarcy         94.75         95.44         96.05         96.92         97.1         97.2         97.26         97.41           Loss         0.1757         0.1137         0.0936         0.0861         0.0738         0.0696         0.0694           Accurarcy         94.41         96.46         97.13         90.345         0.0483         0.0419         0.0449         97.94           Loss         0.0983         0.0667         0.0573         0.0457         0.0453         0.0419         0.0449         90.419           Accurarcy         97.15         98.08         98.42         98.65         98.75         98.81         98.91         98.99           Loss         0.1074         0.104         0.0782         0.0731         0.0554         0.055         0.0498         0.0522           Accurarcy         96.52         96.97         97.45         97.72         98.34         98.43         98.62         98.51           Loss         0.1235         0.0832         0.0857         0.0608         0.0544         0.0522         0.052	Loss         0.1697         0.1511         0.1289         0.0964         0.093         0.0939         0.0895         0.0875         0.0828           Accurarcy         94.75         95.44         96.05         96.92         97.1         97.2         97.26         97.41         97.53           Loss         0.1757         0.1137         0.0936         0.0836         0.0861         0.0738         0.0696         0.0694         0.0698           Loss         0.0983         0.0657         0.0573         0.0457         0.0453         0.0419         0.0449         0.0419         0.0451           Accurarcy         97.15         98.08         98.42         98.65         98.75         98.81         98.91         98.99         99.07           Loss         0.1074         0.104         0.0782         0.0731         0.0554         0.055         0.0498         0.0522         0.0511           Loss         0.1074         0.104         0.0782         0.0731         0.0554         0.055         0.0488         0.0522         0.0511           Loss         0.1235         0.0832         0.0857         0.0608         0.0544         0.0525         0.054         0.052         0.0486      <	Loss   0.1697   0.1511   0.1289   0.0964   0.093   0.0939   0.0895   0.0875   0.0828   0.0788   0.0278   0.0274   0.0278   0.0288   0.0788   0.0286   0.0286   0.0286   0.0286   0.0286   0.0288   0.0287   0.0288   0.0288   0.0288   0.0288   0.0288   0.0287   0.0288   0.02	Loss 0.1697 0.1511 0.1289 0.0964 0.093 0.0939 0.0895 0.0875 0.0828 0.0788   Cacurarcy 94.75 95.44 96.05 96.92 97.1 97.2 97.26 97.41 97.53 97.76   Cacurarcy 94.75 0.0137 0.0936 0.0836 0.0861 0.0738 0.0696 0.0894 0.0887 0.0892   Cacurarcy 94.41 98.46 97.13 97.31 97.35 97.55 97.82 97.94 97.94 98 97.91   Step_size=1,i=0. Cacurarcy 97.15 98.08 98.42 98.65 98.75 98.81 98.91 98.99 99.07 99.05   Cacurarcy 97.15 98.08 98.42 98.65 98.75 98.81 98.91 98.99 99.07 99.05   Cacurarcy 97.15 98.08 98.42 98.65 98.75 98.81 98.91 98.99 99.07 99.05   Cacurarcy 97.15 98.08 98.42 98.65 98.75 98.81 98.91 98.07 99.05   Cacurarcy 97.15 98.08 98.42 98.65 98.75 98.81 98.91 98.07 99.05   Cacurarcy 98.52 96.97 97.45 97.72 98.34 98.43 98.65 98.51 98.62 98.51 98.62 98.72   Cacurarcy 98.52 96.97 97.44 98.14 98.38 98.45 98.65 98.51 98.66 98.64 98.63   Cacurarcy 98.64 97.55 97.44 98.14 98.38 98.45 98.55 98.66 98.64 98.63   Cacurarcy 98.14 98.65 97.44 98.14 98.38 98.45 98.55 98.66 98.64 98.63   Cacurarcy 98.12 98.65 97.44 98.14 98.38 98.45 98.55 98.66 98.64 98.63   Cacurarcy 98.12 98.65 97.44 98.14 98.38 98.45 98.55 98.66 98.64 98.63   Cacurarcy 98.12 98.65 98.88 99.1 99.26 99.25   Cacurarcy 98.12 98.65 98.88 99.1 99.26 99.25   Spoch 10   Cacurarcy 98.12 98.65 98.88 99.1 99.26 99.25 99.24 99.26 99.28 99.28   Cacurarcy 98.12 98.66 98.69 98.89 99.1 99.26 99.25 99.24 99.26 99.28   Cacurarcy 98.26 98.76 99 98.84 99.11 99.25 99.24 99.26 99.28 99.14   Cacurarcy 98.50 99.12 99.14   Cacurarcy 98.50 98.50 98.76 99.89 98.89 99.15 99.26 99.26 99.11 99.2 99.14   Cacurarcy 98.50 99.12 99.19 99.19 99.10 99.1