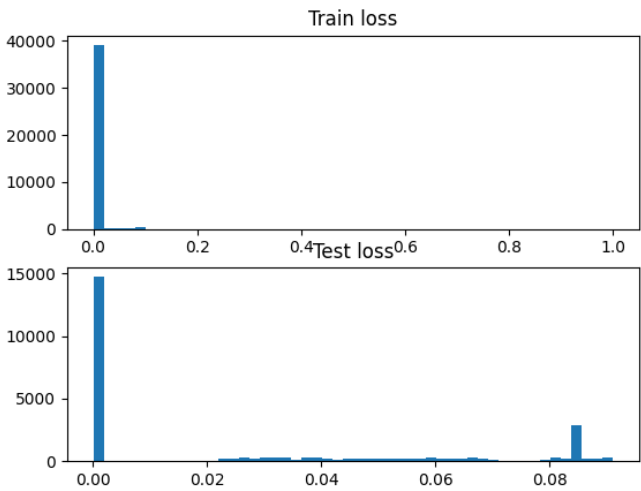


Generated results from serverlogs3

Parameters	Duration	Packets	Bytes	Flag: A	Flag: P	Flag: F	Flag: R	Flag: S
Threshold	0.021783803	0.0137303285	0.0050540995	0.40205166	0.48319256	0.4486869	0.016228661	0.43225396

Duration

Epoch 1/20	
78/78 [=====] - 1s 5ms/step - loss: 0.4781 - val_loss: 0.4170	
Epoch 2/20	
78/78 [=====] - 0s 3ms/step - loss: 0.3102 - val_loss: 0.1306	
Epoch 3/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0653 - val_loss: 0.0283	
Epoch 4/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0138 - val_loss: 0.0214	
Epoch 5/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0064 - val_loss: 0.0197	
Epoch 6/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0042 - val_loss: 0.0190	
Epoch 7/20	
78/78 [=====] - 0s 3ms/step - loss: 0.0031 - val_loss: 0.0187	
Epoch 8/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0026 - val_loss: 0.0185	
Epoch 9/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0023 - val_loss: 0.0184	
Epoch 10/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0020 - val_loss: 0.0183	
Epoch 11/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0019 - val_loss: 0.0182	
Epoch 12/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0018 - val_loss: 0.0182	
Epoch 13/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0017 - val_loss: 0.0182	
Epoch 14/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0017 - val_loss: 0.0182	
Epoch 15/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0016 - val_loss: 0.0181	
Epoch 16/20	
78/78 [=====] - 0s 3ms/step - loss: 0.0016 - val_loss: 0.0181	
Epoch 17/20	
78/78 [=====] - 0s 3ms/step - loss: 0.0015 - val_loss: 0.0181	
Epoch 18/20	
78/78 [=====] - 0s 3ms/step - loss: 0.0015 - val_loss: 0.0181	
Epoch 19/20	
78/78 [=====] - 0s 4ms/step - loss: 0.0015 - val_loss: 0.0181	
Epoch 20/20	
78/78 [=====] - 0s 3ms/step - loss: 0.0015 - val_loss: 0.0181	
Threshold: 0.021783803	
Accuracy = 0.5656098125433927	



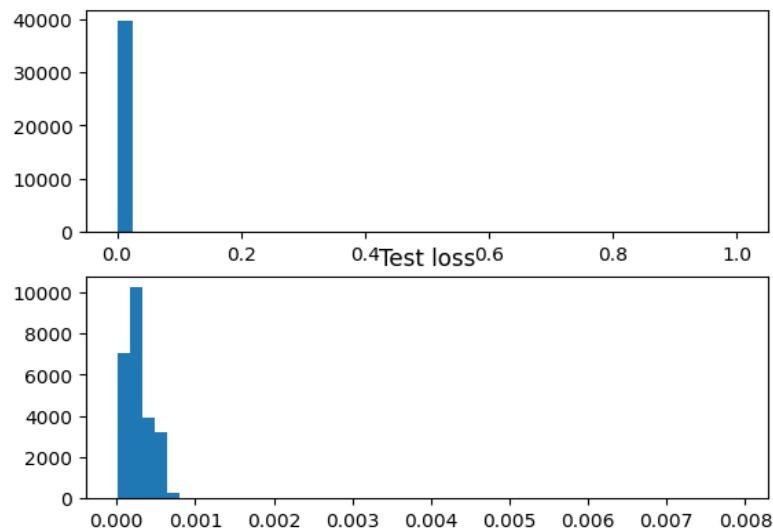
PACKETS

```
Epoch 1/20
78/78 [=====] - 1s 13ms/step - loss: 0.2732 - val_loss: 9.6055e-04
Epoch 2/20
78/78 [=====] - 1s 11ms/step - loss: 6.2976e-04 - val_loss: 2.6336e-04
Epoch 3/20
78/78 [=====] - 1s 11ms/step - loss: 4.3817e-04 - val_loss: 2.5620e-04
Epoch 4/20
78/78 [=====] - 1s 11ms/step - loss: 4.2893e-04 - val_loss: 2.5597e-04
Epoch 5/20
78/78 [=====] - 1s 11ms/step - loss: 4.2857e-04 - val_loss: 2.5591e-04
Epoch 6/20
78/78 [=====] - 1s 11ms/step - loss: 4.2856e-04 - val_loss: 2.5589e-04
Epoch 7/20
78/78 [=====] - 1s 11ms/step - loss: 4.2856e-04 - val_loss: 2.5575e-04
Epoch 8/20
78/78 [=====] - 1s 11ms/step - loss: 4.2856e-04 - val_loss: 2.5567e-04
Epoch 9/20
78/78 [=====] - 1s 11ms/step - loss: 4.2855e-04 - val_loss: 2.5561e-04
Epoch 10/20
78/78 [=====] - 1s 11ms/step - loss: 4.2856e-04 - val_loss: 2.5548e-04
Epoch 11/20
78/78 [=====] - 1s 11ms/step - loss: 4.2855e-04 - val_loss: 2.5532e-04
Epoch 12/20
78/78 [=====] - 1s 11ms/step - loss: 4.2855e-04 - val_loss: 2.5534e-04
Epoch 13/20
78/78 [=====] - 1s 11ms/step - loss: 4.2854e-04 - val_loss: 2.5514e-04
Epoch 14/20
78/78 [=====] - 1s 11ms/step - loss: 4.2854e-04 - val_loss: 2.5506e-04
Epoch 15/20
78/78 [=====] - 1s 11ms/step - loss: 4.2855e-04 - val_loss: 2.5510e-04
Epoch 16/20
78/78 [=====] - 1s 11ms/step - loss: 4.2854e-04 - val_loss: 2.5527e-04
Epoch 17/20
78/78 [=====] - 1s 11ms/step - loss: 4.2854e-04 - val_loss: 2.5509e-04
Epoch 18/20
78/78 [=====] - 1s 11ms/step - loss: 4.2854e-04 - val_loss: 2.5500e-04
Epoch 19/20
78/78 [=====] - 1s 11ms/step - loss: 4.2852e-04 - val_loss: 2.5507e-04
Epoch 20/20
78/78 [=====] - 1s 11ms/step - loss: 4.2854e-04 - val_loss: 2.5493e-04
Threshold: 0.0137303285
Accuracy = 0.2838174033788475
```

```
def __init__(self):
    super(AnomalyDetector, self).__init__()
    self.encoder = tf.keras.Sequential([
        layers.Dense(128, activation="relu"),
        layers.Dense(64, activation="relu")
    ])

    self.decoder = tf.keras.Sequential([
        layers.Dense(256, activation="relu"),
        layers.Dense(512, activation="sigmoid")
    ])
```

Train loss



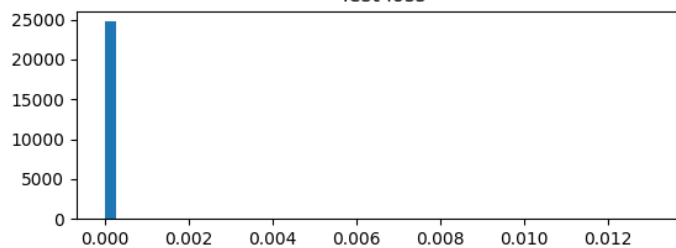
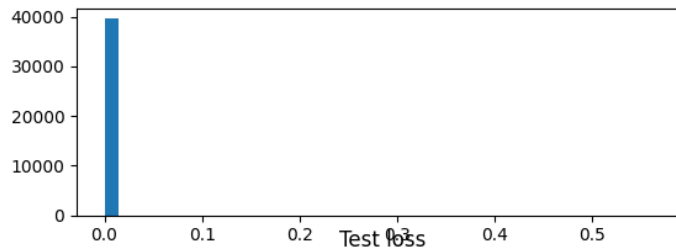
Bytes

```
Epoch 1/20
78/78 [=====] - 1s 6ms/step - loss: 2.3931e-04 - val_loss: 7.0671e-05
Epoch 2/20
78/78 [=====] - 0s 3ms/step - loss: 2.0587e-04 - val_loss: 6.9203e-05
Epoch 3/20
78/78 [=====] - 0s 3ms/step - loss: 1.9647e-04 - val_loss: 6.5640e-05
Epoch 4/20
78/78 [=====] - 0s 3ms/step - loss: 1.7682e-04 - val_loss: 5.9598e-05
Epoch 5/20
78/78 [=====] - 0s 2ms/step - loss: 1.5511e-04 - val_loss: 5.5903e-05
Epoch 6/20
78/78 [=====] - 0s 2ms/step - loss: 1.4376e-04 - val_loss: 5.3693e-05
Epoch 7/20
78/78 [=====] - 0s 3ms/step - loss: 1.4366e-04 - val_loss: 5.4356e-05
Epoch 8/20
78/78 [=====] - 0s 3ms/step - loss: 1.3989e-04 - val_loss: 5.3689e-05
Epoch 9/20
78/78 [=====] - 0s 3ms/step - loss: 1.3629e-04 - val_loss: 5.2466e-05
Epoch 10/20
78/78 [=====] - 0s 3ms/step - loss: 1.3286e-04 - val_loss: 5.1673e-05
Epoch 11/20
78/78 [=====] - 0s 3ms/step - loss: 1.3326e-04 - val_loss: 8.8041e-05
Epoch 12/20
78/78 [=====] - 0s 3ms/step - loss: 1.3587e-04 - val_loss: 5.2010e-05
Epoch 13/20
78/78 [=====] - 0s 3ms/step - loss: 1.3301e-04 - val_loss: 5.2080e-05
Epoch 14/20
78/78 [=====] - 0s 3ms/step - loss: 1.3337e-04 - val_loss: 5.2493e-05
Epoch 15/20
78/78 [=====] - 0s 3ms/step - loss: 1.3298e-04 - val_loss: 5.2145e-05
Epoch 16/20
78/78 [=====] - 0s 3ms/step - loss: 1.3272e-04 - val_loss: 5.1803e-05
Epoch 17/20
78/78 [=====] - 0s 3ms/step - loss: 1.3365e-04 - val_loss: 5.1744e-05
Epoch 18/20
78/78 [=====] - 0s 3ms/step - loss: 1.3127e-04 - val_loss: 5.2044e-05
Epoch 19/20
78/78 [=====] - 0s 3ms/step - loss: 1.3104e-04 - val_loss: 5.1375e-05
Epoch 20/20
78/78 [=====] - 0s 3ms/step - loss: 1.3299e-04 - val_loss: 5.1619e-05
Threshold: 0.0050540995
Accuracy = 0.283875260356399
```

```
self.encoder = tf.keras.Sequential([
    layers.Dense(8, activation="relu"),
    layers.Dense(4, activation="relu")
])

self.decoder = tf.keras.Sequential([
    layers.Dense(16, activation="relu"),
    layers.Dense(32, activation="relu")
])
```

Train loss

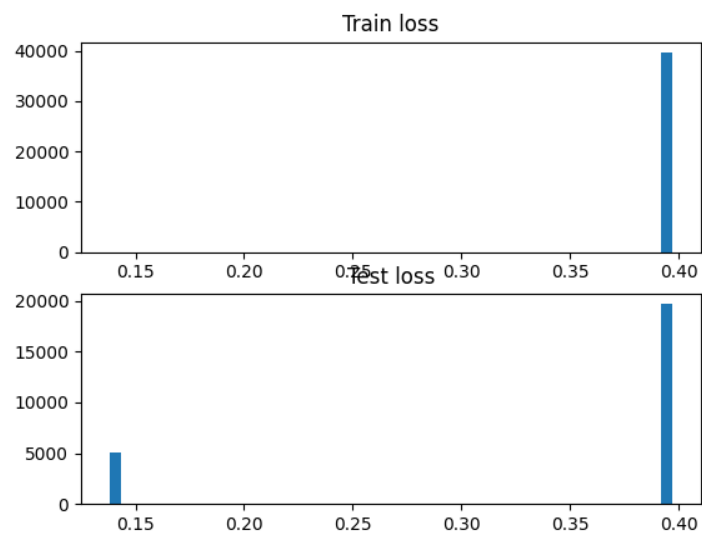


FLAGS: A

```
Epoch 1/20
39/39 [=====] - 1s 13ms/step - loss: 0.6831 - val_loss: 0.3905
Epoch 2/20
39/39 [=====] - 0s 10ms/step - loss: 0.4142 - val_loss: 0.3660
Epoch 3/20
39/39 [=====] - 0s 10ms/step - loss: 0.4021 - val_loss: 0.3632
Epoch 4/20
39/39 [=====] - 0s 9ms/step - loss: 0.4011 - val_loss: 0.3630
Epoch 5/20
39/39 [=====] - 0s 9ms/step - loss: 0.4011 - val_loss: 0.3630
Epoch 6/20
39/39 [=====] - 0s 10ms/step - loss: 0.4012 - val_loss: 0.3632
Epoch 7/20
39/39 [=====] - 0s 10ms/step - loss: 0.4010 - val_loss: 0.3630
Epoch 8/20
39/39 [=====] - 0s 10ms/step - loss: 0.4014 - val_loss: 0.3631
Epoch 9/20
39/39 [=====] - 0s 9ms/step - loss: 0.4012 - val_loss: 0.3629
Epoch 10/20
39/39 [=====] - 0s 10ms/step - loss: 0.4014 - val_loss: 0.3632
Epoch 11/20
39/39 [=====] - 0s 10ms/step - loss: 0.4015 - val_loss: 0.3635
Epoch 12/20
39/39 [=====] - 0s 9ms/step - loss: 0.4005 - val_loss: 0.3607
Epoch 13/20
39/39 [=====] - 0s 9ms/step - loss: 0.3978 - val_loss: 0.3596
Epoch 14/20
39/39 [=====] - 0s 10ms/step - loss: 0.3975 - val_loss: 0.3603
Epoch 15/20
39/39 [=====] - 0s 10ms/step - loss: 0.3978 - val_loss: 0.3598
Epoch 16/20
39/39 [=====] - 0s 10ms/step - loss: 0.3975 - val_loss: 0.3604
Epoch 17/20
39/39 [=====] - 0s 10ms/step - loss: 0.3976 - val_loss: 0.3596
Epoch 18/20
39/39 [=====] - 0s 10ms/step - loss: 0.3975 - val_loss: 0.3597
Epoch 19/20
39/39 [=====] - 0s 9ms/step - loss: 0.3975 - val_loss: 0.3598
Epoch 20/20
39/39 [=====] - 0s 9ms/step - loss: 0.3974 - val_loss: 0.3593
Threshold: 0.40205166
Accuracy = 0.2840199028002777
```

```
def __init__(self):
    super(AnomalyDetector, self).__init__()
    self.encoder = tf.keras.Sequential([
        layers.Dense(128, activation="relu"),
        layers.Dense(64, activation="relu")
    ])

    self.decoder = tf.keras.Sequential([
        layers.Dense(128, activation="relu"),
        layers.Dense(256, activation="relu")
    ])
```

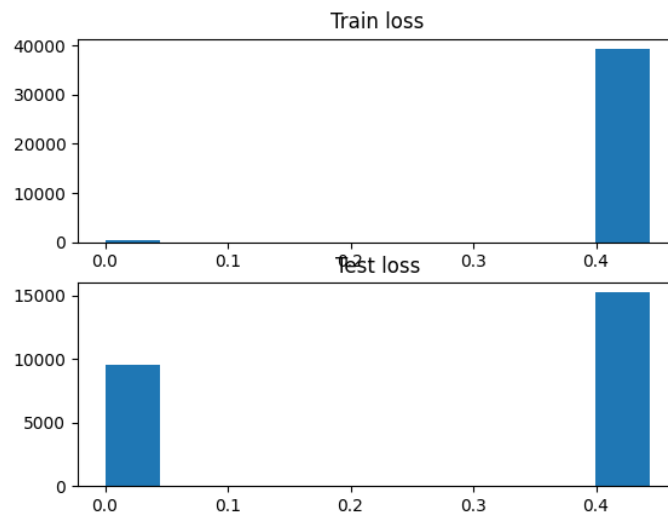


FLAGS: P

```
Epoch 1/20
39/39 [=====] - 1s 12ms/step - loss: 0.6955 - val_loss: 0.3759
Epoch 2/20
39/39 [=====] - 0s 7ms/step - loss: 0.4520 - val_loss: 0.3570
Epoch 3/20
39/39 [=====] - 0s 7ms/step - loss: 0.4412 - val_loss: 0.3555
Epoch 4/20
39/39 [=====] - 0s 7ms/step - loss: 0.4409 - val_loss: 0.3540
Epoch 5/20
39/39 [=====] - 0s 7ms/step - loss: 0.4407 - val_loss: 0.3520
Epoch 6/20
39/39 [=====] - 0s 7ms/step - loss: 0.4411 - val_loss: 0.3503
Epoch 7/20
39/39 [=====] - 0s 8ms/step - loss: 0.4411 - val_loss: 0.3486
Epoch 8/20
39/39 [=====] - 0s 8ms/step - loss: 0.4406 - val_loss: 0.3450
Epoch 9/20
39/39 [=====] - 0s 8ms/step - loss: 0.4408 - val_loss: 0.3416
Epoch 10/20
39/39 [=====] - 0s 7ms/step - loss: 0.4409 - val_loss: 0.3381
Epoch 11/20
39/39 [=====] - 0s 7ms/step - loss: 0.4408 - val_loss: 0.3312
Epoch 12/20
39/39 [=====] - 0s 8ms/step - loss: 0.4408 - val_loss: 0.3236
Epoch 13/20
39/39 [=====] - 0s 7ms/step - loss: 0.4400 - val_loss: 0.3209
Epoch 14/20
39/39 [=====] - 0s 9ms/step - loss: 0.4398 - val_loss: 0.3207
Epoch 15/20
39/39 [=====] - 0s 9ms/step - loss: 0.4402 - val_loss: 0.3205
Epoch 16/20
39/39 [=====] - 0s 10ms/step - loss: 0.4400 - val_loss: 0.3209
Epoch 17/20
39/39 [=====] - 0s 10ms/step - loss: 0.4401 - val_loss: 0.3207
Epoch 18/20
39/39 [=====] - 0s 9ms/step - loss: 0.4402 - val_loss: 0.3203
Epoch 19/20
39/39 [=====] - 0s 10ms/step - loss: 0.4397 - val_loss: 0.3205
Epoch 20/20
39/39 [=====] - 0s 10ms/step - loss: 0.4398 - val_loss: 0.3206
Threshold: 0.48319256
Accuracy = 0.2840199028002777
```

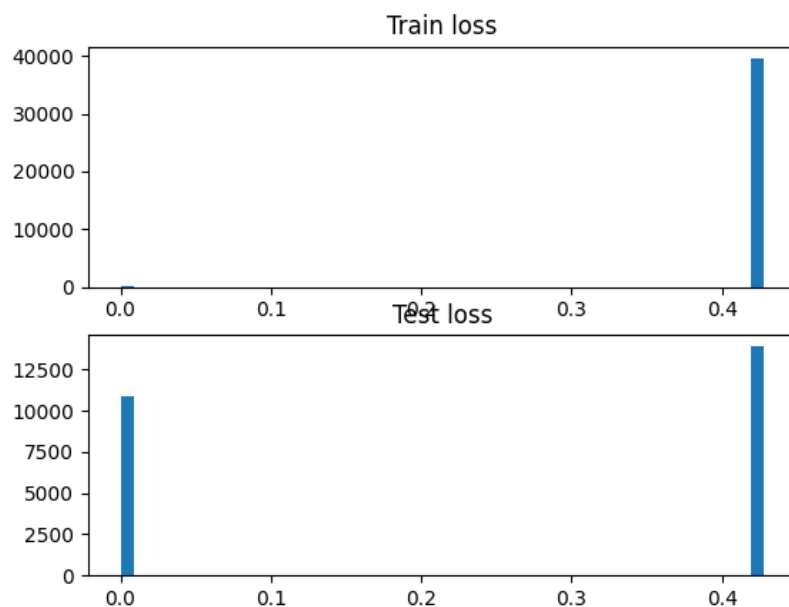
```
self.encoder = tf.keras.Sequential([
    layers.Dense(128, activation="relu"),
    layers.Dense(64, activation="relu")
])

self.decoder = tf.keras.Sequential([
    layers.Dense(128, activation="relu"),
    layers.Dense(256, activation="relu")
])
```



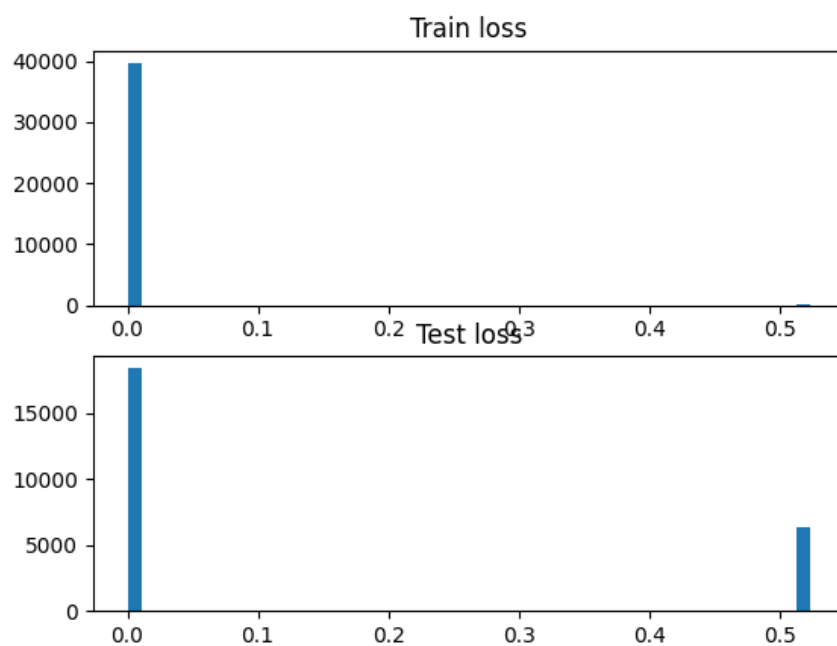
FLAGS: F

```
Epoch 1/20
39/39 [=====] - 1s 13ms/step - loss: 0.7550 - val_loss: 0.3675
Epoch 2/20
39/39 [=====] - 0s 9ms/step - loss: 0.4441 - val_loss: 0.3476
Epoch 3/20
39/39 [=====] - 0s 8ms/step - loss: 0.4281 - val_loss: 0.3457
Epoch 4/20
39/39 [=====] - 0s 10ms/step - loss: 0.4273 - val_loss: 0.3448
Epoch 5/20
39/39 [=====] - 0s 10ms/step - loss: 0.4276 - val_loss: 0.3439
Epoch 6/20
39/39 [=====] - 0s 9ms/step - loss: 0.4277 - val_loss: 0.3434
Epoch 7/20
39/39 [=====] - 0s 10ms/step - loss: 0.4276 - val_loss: 0.3431
Epoch 8/20
39/39 [=====] - 0s 10ms/step - loss: 0.4275 - val_loss: 0.3426
Epoch 9/20
39/39 [=====] - 0s 10ms/step - loss: 0.4278 - val_loss: 0.3415
Epoch 10/20
39/39 [=====] - 0s 10ms/step - loss: 0.4280 - val_loss: 0.3405
Epoch 11/20
39/39 [=====] - 0s 10ms/step - loss: 0.4278 - val_loss: 0.3382
Epoch 12/20
39/39 [=====] - 0s 10ms/step - loss: 0.4276 - val_loss: 0.3342
Epoch 13/20
39/39 [=====] - 0s 10ms/step - loss: 0.4275 - val_loss: 0.3318
Epoch 14/20
39/39 [=====] - 0s 9ms/step - loss: 0.4275 - val_loss: 0.3267
Epoch 15/20
39/39 [=====] - 0s 9ms/step - loss: 0.4275 - val_loss: 0.3174
Epoch 16/20
39/39 [=====] - 0s 9ms/step - loss: 0.4274 - val_loss: 0.3050
Epoch 17/20
39/39 [=====] - 0s 9ms/step - loss: 0.4277 - val_loss: 0.2957
Epoch 18/20
39/39 [=====] - 0s 9ms/step - loss: 0.4287 - val_loss: 0.2944
Epoch 19/20
39/39 [=====] - 0s 10ms/step - loss: 0.4282 - val_loss: 0.2937
Epoch 20/20
39/39 [=====] - 0s 9ms/step - loss: 0.4278 - val_loss: 0.2938
Threshold: 0.4486869
Accuracy = 0.2840199028002777
```



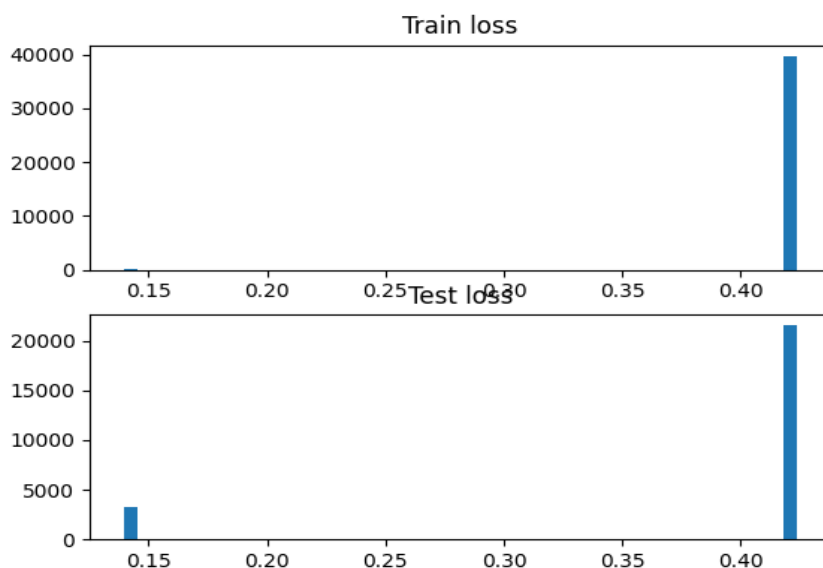
FLAGS: R

```
Epoch 1/20
39/39 [=====] - 1s 13ms/step - loss: 8.9796e-04 - val_loss: 0.1742
Epoch 2/20
39/39 [=====] - 0s 9ms/step - loss: 7.1224e-04 - val_loss: 0.1087
Epoch 3/20
39/39 [=====] - 0s 9ms/step - loss: 5.0884e-04 - val_loss: 0.0986
Epoch 4/20
39/39 [=====] - 0s 9ms/step - loss: 4.8411e-04 - val_loss: 0.0978
Epoch 5/20
39/39 [=====] - 0s 9ms/step - loss: 4.8383e-04 - val_loss: 0.0980
Epoch 6/20
39/39 [=====] - 0s 10ms/step - loss: 4.8233e-04 - val_loss: 0.0991
Epoch 7/20
39/39 [=====] - 0s 9ms/step - loss: 4.8631e-04 - val_loss: 0.1006
Epoch 8/20
39/39 [=====] - 0s 9ms/step - loss: 4.8916e-04 - val_loss: 0.0980
Epoch 9/20
39/39 [=====] - 0s 10ms/step - loss: 4.8472e-04 - val_loss: 0.0980
Epoch 10/20
39/39 [=====] - 0s 9ms/step - loss: 4.8203e-04 - val_loss: 0.0978
Epoch 11/20
39/39 [=====] - 0s 10ms/step - loss: 4.8258e-04 - val_loss: 0.0999
Epoch 12/20
39/39 [=====] - 0s 10ms/step - loss: 4.8348e-04 - val_loss: 0.0979
Epoch 13/20
39/39 [=====] - 0s 10ms/step - loss: 4.8165e-04 - val_loss: 0.0981
Epoch 14/20
39/39 [=====] - 0s 9ms/step - loss: 4.8201e-04 - val_loss: 0.0974
Epoch 15/20
39/39 [=====] - 0s 8ms/step - loss: 4.8314e-04 - val_loss: 0.0978
Epoch 16/20
39/39 [=====] - 0s 8ms/step - loss: 4.9291e-04 - val_loss: 0.0996
Epoch 17/20
39/39 [=====] - 0s 9ms/step - loss: 4.9601e-04 - val_loss: 0.0988
Epoch 18/20
39/39 [=====] - 0s 9ms/step - loss: 5.0048e-04 - val_loss: 0.1021
Epoch 19/20
39/39 [=====] - 0s 7ms/step - loss: 4.8928e-04 - val_loss: 0.0967
Epoch 20/20
39/39 [=====] - 0s 9ms/step - loss: 4.8018e-04 - val_loss: 0.0962
Threshold: 0.016228661
Accuracy = 0.46725295070585515
```



FLAGS: S

```
Epoch 1/20
39/39 [=====] - 1s 14ms/step - loss: 0.7067 - val_loss: 0.4412
Epoch 2/20
39/39 [=====] - 0s 10ms/step - loss: 0.4374 - val_loss: 0.4008
Epoch 3/20
39/39 [=====] - 0s 10ms/step - loss: 0.4246 - val_loss: 0.3989
Epoch 4/20
39/39 [=====] - 0s 10ms/step - loss: 0.4240 - val_loss: 0.3989
Epoch 5/20
39/39 [=====] - 0s 10ms/step - loss: 0.4240 - val_loss: 0.3987
Epoch 6/20
39/39 [=====] - 0s 10ms/step - loss: 0.4241 - val_loss: 0.3988
Epoch 7/20
39/39 [=====] - 0s 10ms/step - loss: 0.4242 - val_loss: 0.3991
Epoch 8/20
39/39 [=====] - 0s 10ms/step - loss: 0.4242 - val_loss: 0.3985
Epoch 9/20
39/39 [=====] - 0s 9ms/step - loss: 0.4242 - val_loss: 0.3981
Epoch 10/20
39/39 [=====] - 0s 9ms/step - loss: 0.4252 - val_loss: 0.4003
Epoch 11/20
39/39 [=====] - 0s 10ms/step - loss: 0.4251 - val_loss: 0.3987
Epoch 12/20
39/39 [=====] - 0s 10ms/step - loss: 0.4243 - val_loss: 0.3980
Epoch 13/20
39/39 [=====] - 0s 10ms/step - loss: 0.4248 - val_loss: 0.3989
Epoch 14/20
39/39 [=====] - 0s 10ms/step - loss: 0.4247 - val_loss: 0.3982
Epoch 15/20
39/39 [=====] - 0s 10ms/step - loss: 0.4243 - val_loss: 0.3979
Epoch 16/20
39/39 [=====] - 0s 9ms/step - loss: 0.4246 - val_loss: 0.3988
Epoch 17/20
39/39 [=====] - 0s 9ms/step - loss: 0.4244 - val_loss: 0.3976
Epoch 18/20
39/39 [=====] - 0s 10ms/step - loss: 0.4243 - val_loss: 0.3986
Epoch 19/20
39/39 [=====] - 0s 10ms/step - loss: 0.4248 - val_loss: 0.3982
Epoch 20/20
39/39 [=====] - 0s 10ms/step - loss: 0.4244 - val_loss: 0.3975
Threshold: 0.43225396
Accuracy = 0.2840199028002777
```



FLAGS: x

```
Epoch 1/20
39/39 [=====] - 1s 13ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 2/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 3/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 4/20
39/39 [=====] - 0s 9ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 5/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 6/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 7/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 8/20
39/39 [=====] - 0s 9ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 9/20
39/39 [=====] - 0s 9ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 10/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 11/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 12/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 13/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 14/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 15/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 16/20
39/39 [=====] - 0s 9ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 17/20
39/39 [=====] - 0s 9ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 18/20
39/39 [=====] - 0s 9ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 19/20
39/39 [=====] - 0s 9ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Epoch 20/20
39/39 [=====] - 0s 10ms/step - loss: 0.0000e+00 - val_loss: 0.0045
Threshold: 0.0
Accuracy = 0.7159800971997223
```

