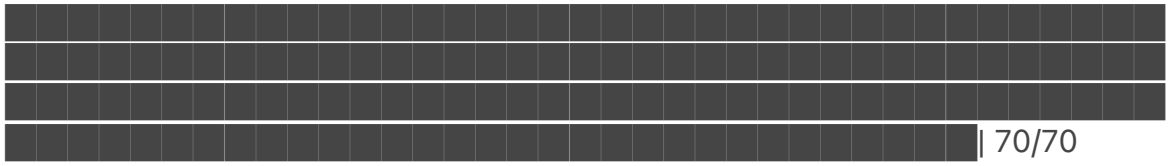
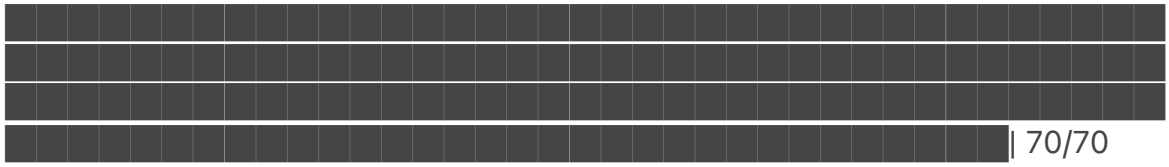
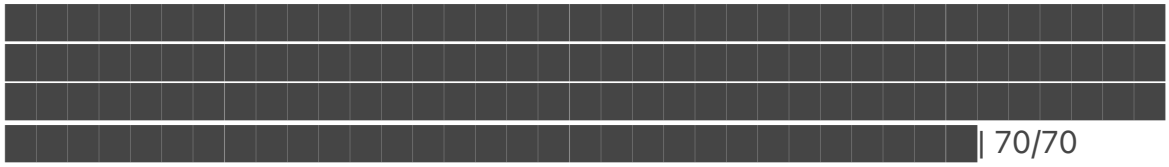
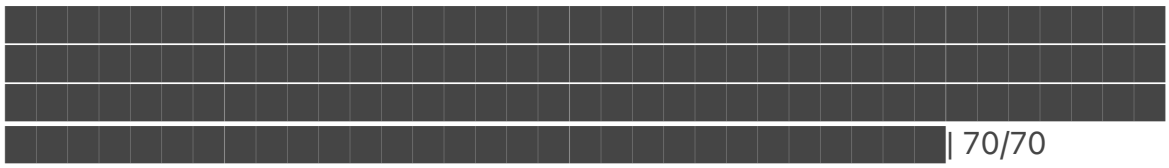
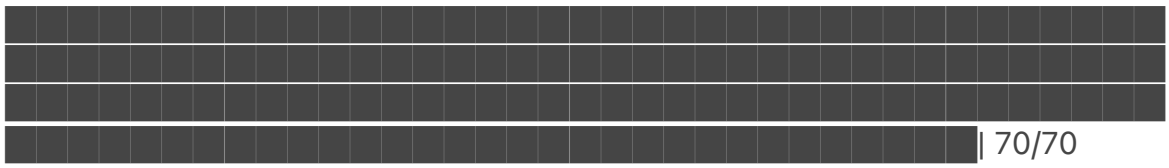
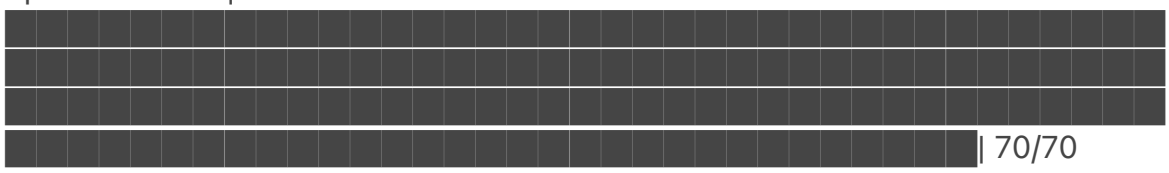
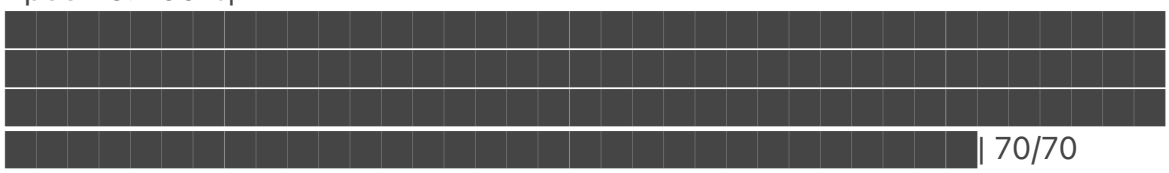
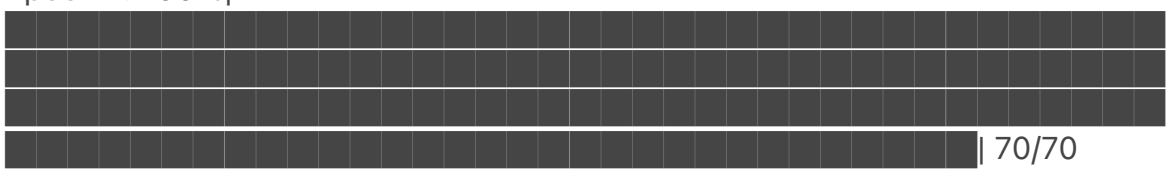
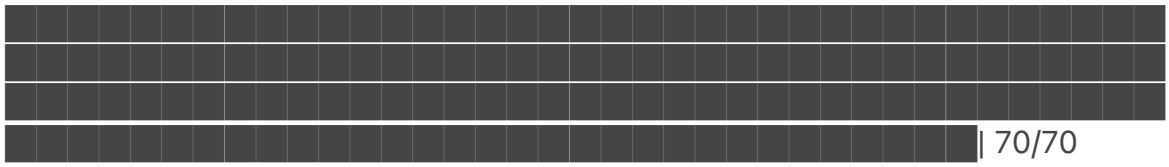
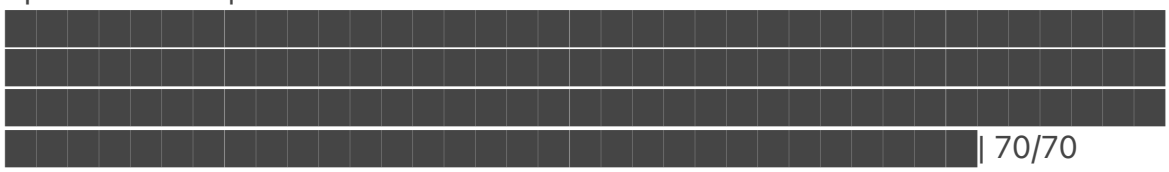
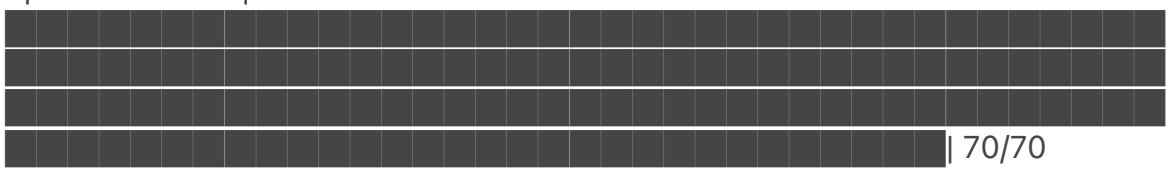
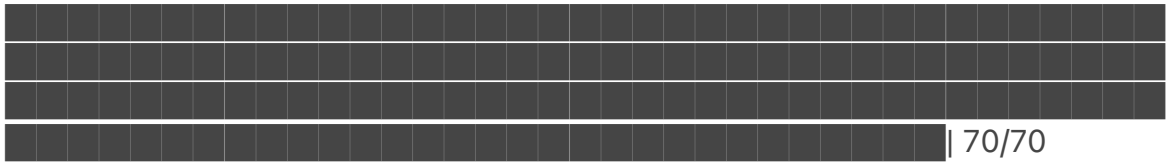
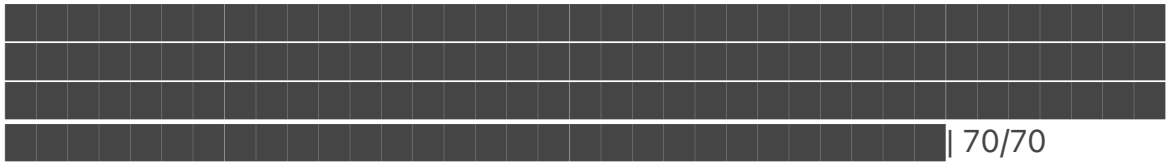
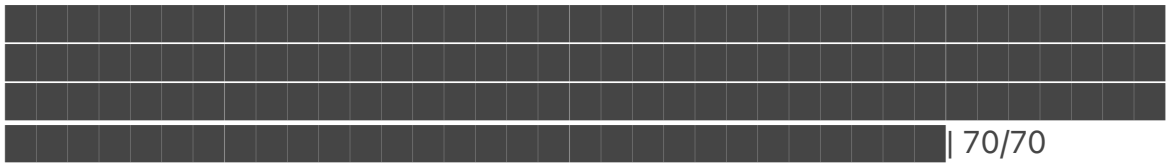
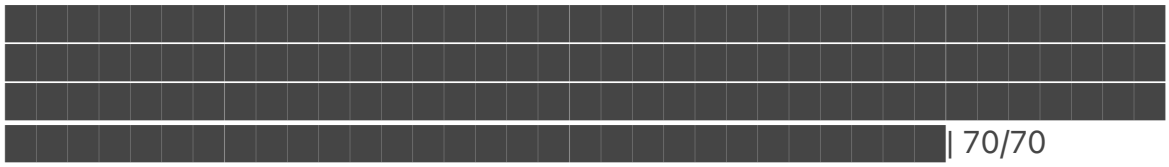
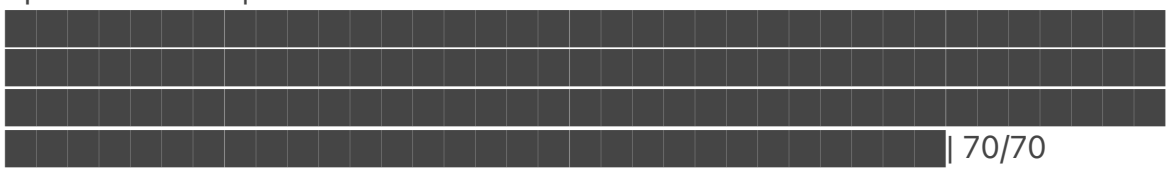
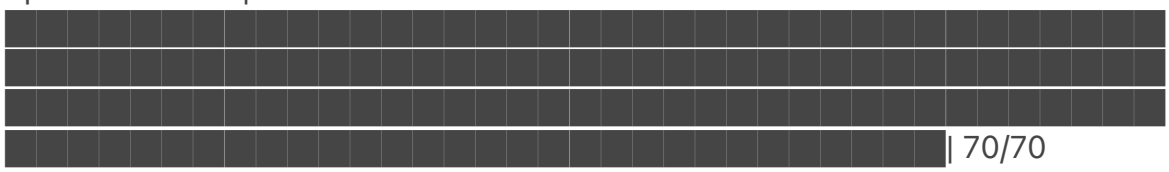
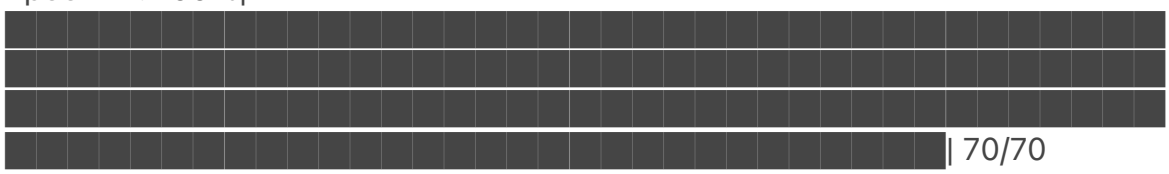
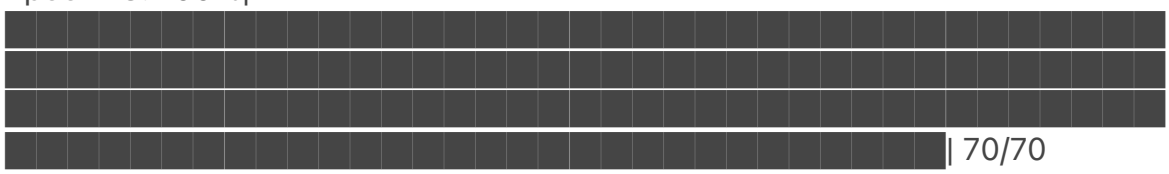
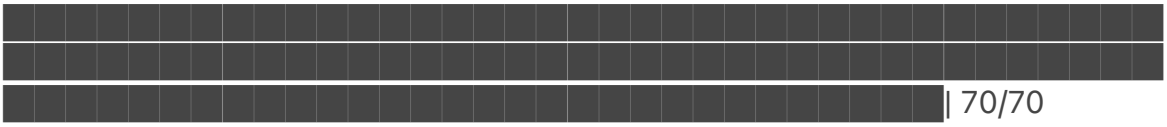
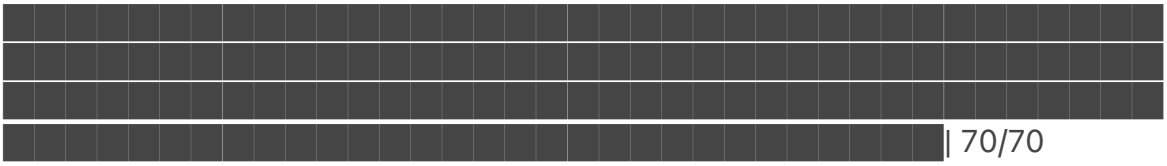
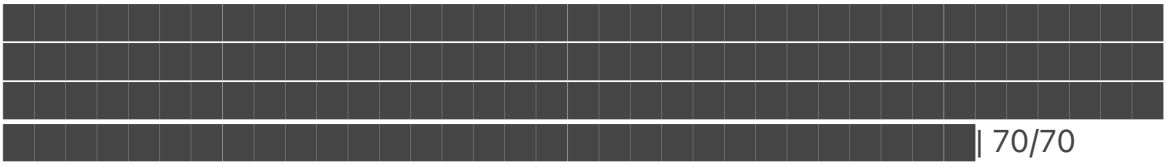
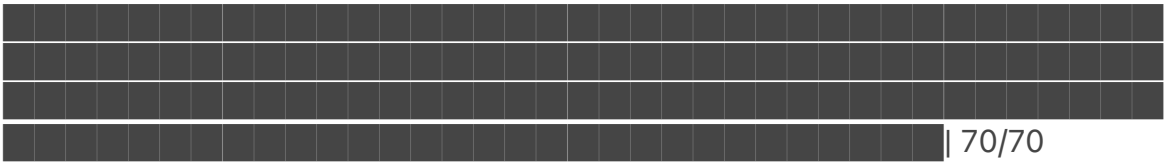
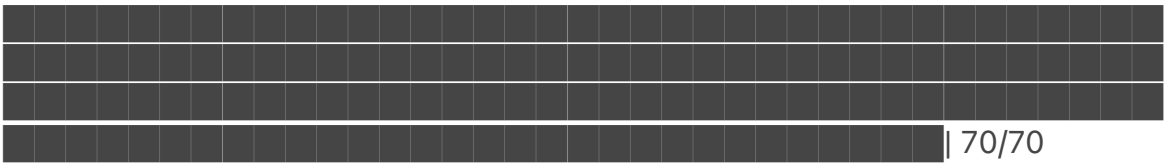
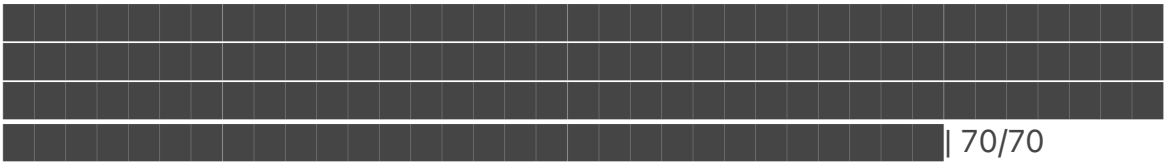
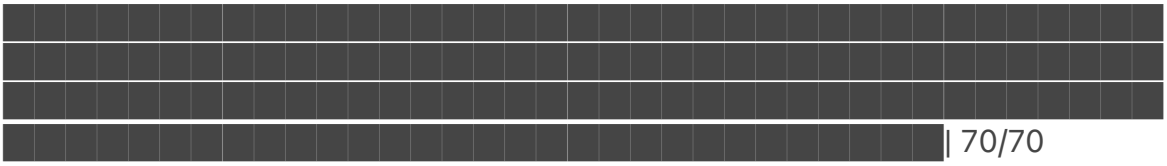
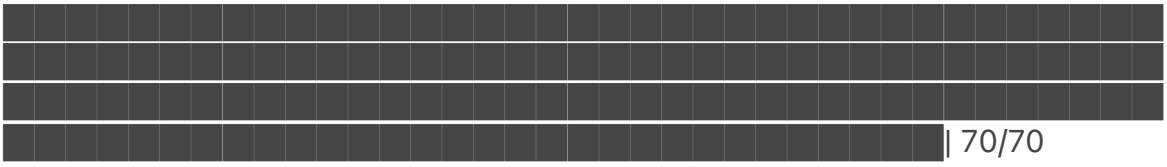
PYTORCH TRAINING RESULTS FOR REGRESSION PROBLEM WITH DIABETES DATASET:
==========

(LLAMA_ENV) akram@ISHERIFF-M-RBNA LLM_EXPLORE %
(LLAMA_ENV) akram@ISHERIFF-M-RBNA LLM_EXPLORE %
(LLAMA_ENV) akram@ISHERIFF-M-RBNA LLM_EXPLORE % python3 PyTorch_Pop.py
/Users/akram/AKRAM_CODE_FOLDER/LLAMA_LLM_CPP/LLM_EXPLORE/PyTorch_Pop.py:11: DeprecationWarning:
Pyarrow will become a required dependency of pandas in the next major release of pandas (pandas 3.0),
(to allow more performant data types, such as the Arrow string type, and better interoperability with other libraries)
but was not found to be installed on your system.
If this would cause problems for you,
please provide us feedback at https://github.com/pandas-dev/pandas/issues/54466

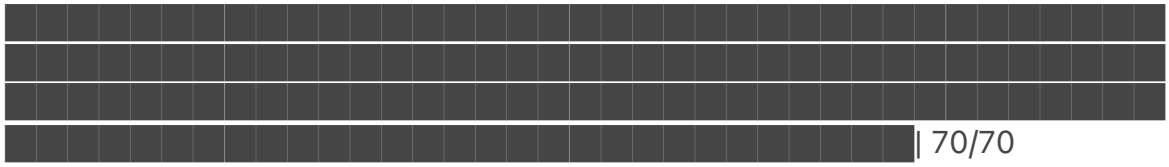
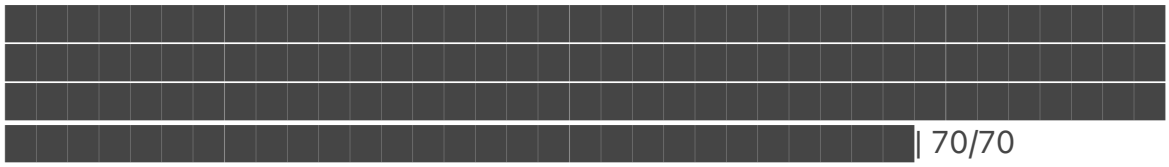
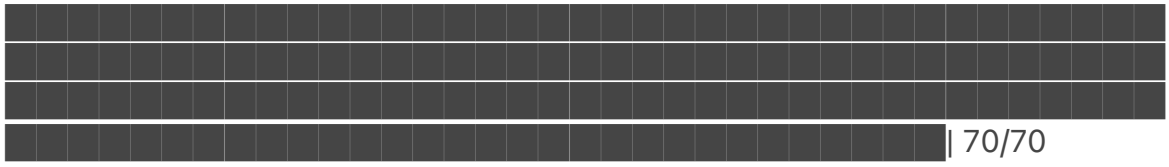
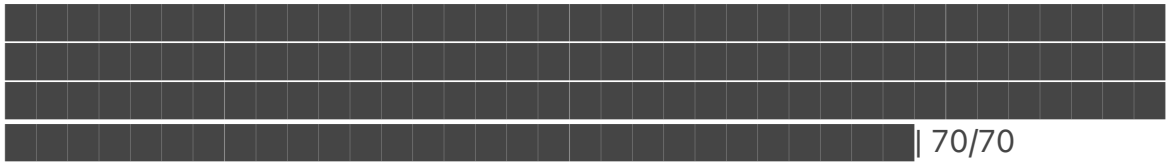
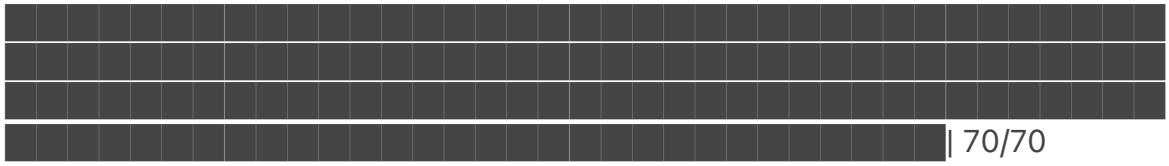
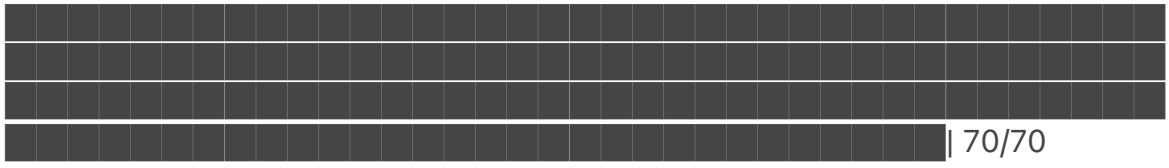
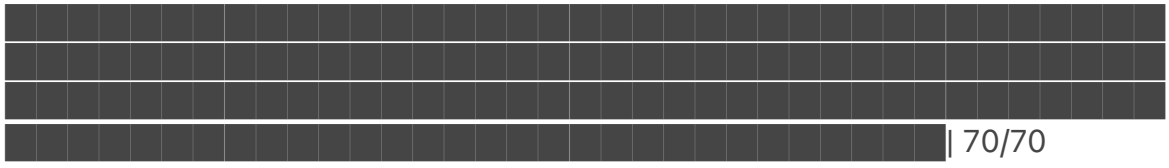
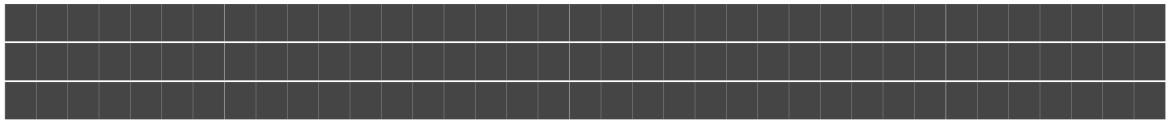
  import pandas as pd
SHAPE of Dataset is: (768, 9)
Sequential(
  (0): Linear(in_features=8, out_features=12, bias=True)
  (1): ReLU()
  (2): Linear(in_features=12, out_features=8, bias=True)
  (3): ReLU()
  (4): Linear(in_features=8, out_features=1, bias=True)
  (5): Sigmoid()
)
Epoch 0: 100%|

| 70/70 [00:00<00:00, 313.86batch/s, acc=60.00%, loss=0.672]
Epoch 1: 100%|

| 70/70 [00:00<00:00, 833.15batch/s, acc=50.00%, loss=0.67]
Epoch 2: 100%|

| 70/70 [00:00<00:00, 871.19batch/s, acc=60.00%, loss=0.666]

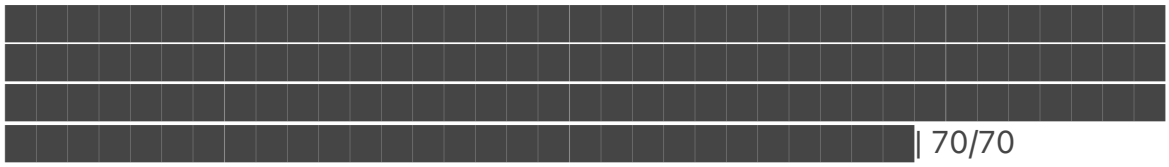
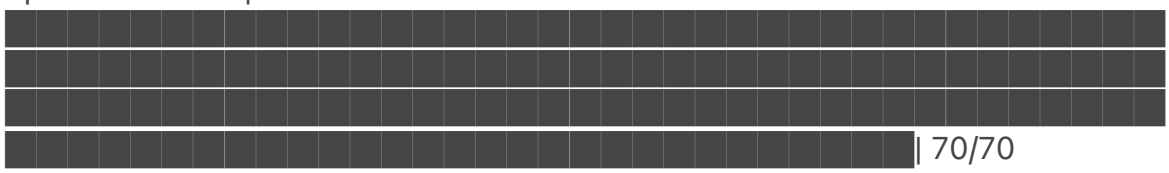
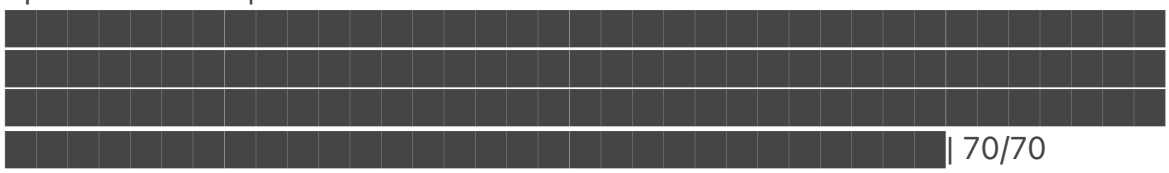
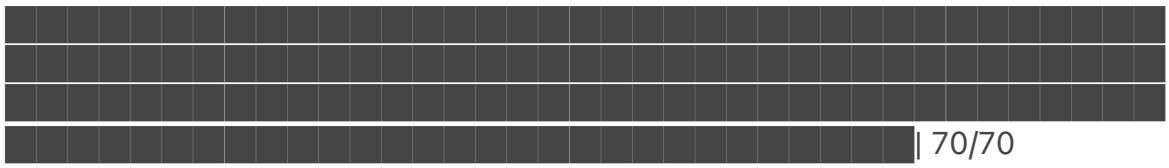
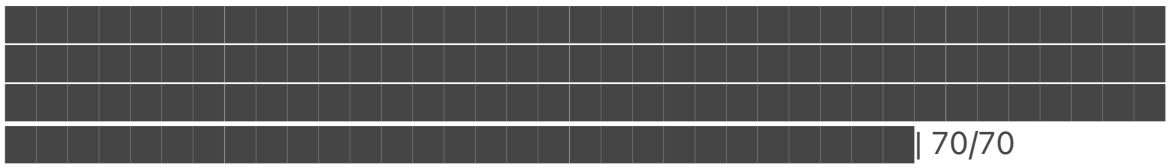
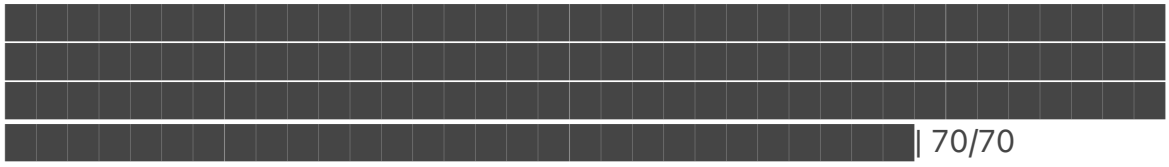
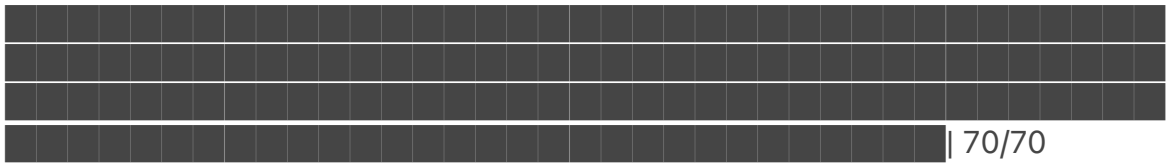
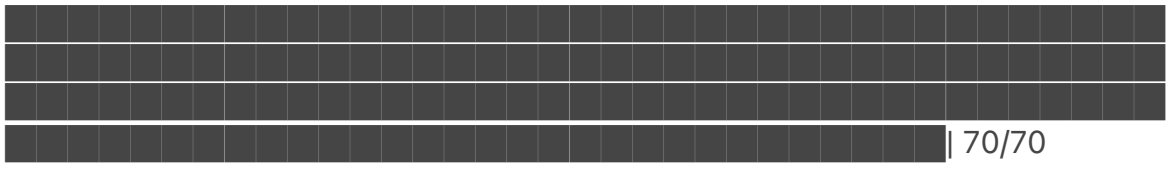
Epoch 3: 100%|  | 70/70 [00:00<00:00, 1010.86batch/s, acc=60.00%, loss=0.655]
Epoch 4: 100%|  | 70/70 [00:00<00:00, 960.66batch/s, acc=60.00%, loss=0.648]
Epoch 5: 100%|  | 70/70 [00:00<00:00, 871.64batch/s, acc=60.00%, loss=0.659]
Epoch 6: 100%|  | 70/70 [00:00<00:00, 682.84batch/s, acc=60.00%, loss=0.656]
Epoch 7: 100%|  | 70/70 [00:00<00:00, 720.49batch/s, acc=60.00%, loss=0.655]
Epoch 8: 100%|  | 70/70 [00:00<00:00, 747.64batch/s, acc=60.00%, loss=0.657]
Epoch 9: 100%|  | 70/70 [00:00<00:00, 914.22batch/s, acc=60.00%, loss=0.657]
Epoch 10: 100%|  | 70/70 [00:00<00:00, 889.83batch/s, acc=50.00%, loss=0.655]
Epoch 11: 100%|

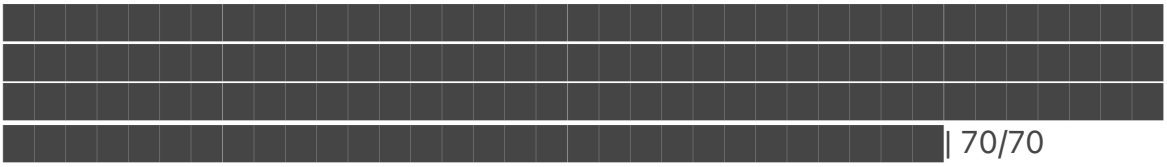
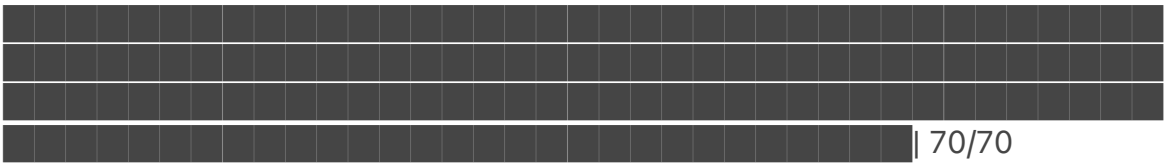
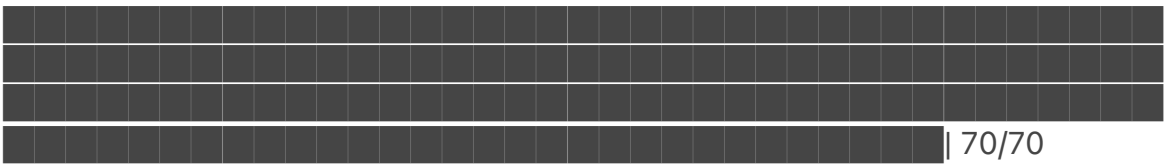
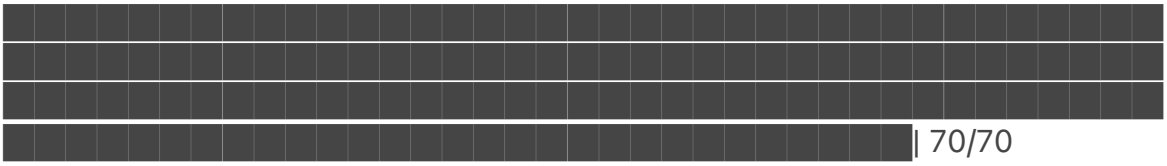
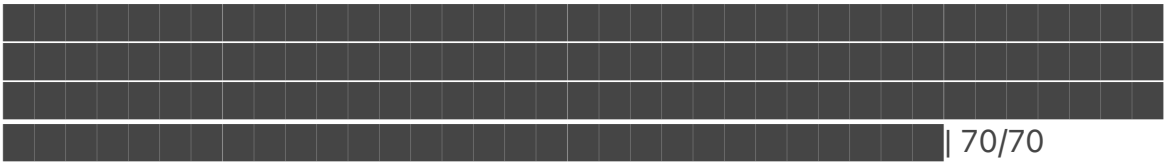
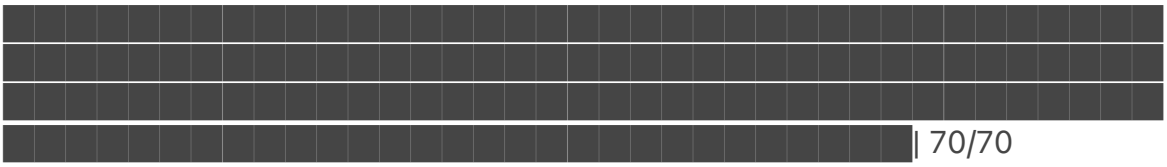

| 70/70 [00:00<00:00, 925.23batch/s, acc=50.00%, loss=0.655]
Epoch 12: 100%|

| 70/70 [00:00<00:00, 753.70batch/s, acc=50.00%, loss=0.656]
Epoch 13: 100%|

| 70/70 [00:00<00:00, 950.62batch/s, acc=50.00%, loss=0.658]
Epoch 14: 100%|

| 70/70 [00:00<00:00, 914.72batch/s, acc=50.00%, loss=0.666]
Epoch 15: 100%|

| 70/70 [00:00<00:00, 994.96batch/s, acc=50.00%, loss=0.672]
Epoch 16: 100%|

| 70/70 [00:00<00:00, 945.13batch/s, acc=50.00%, loss=0.668]
Epoch 17: 100%|

| 70/70 [00:00<00:00, 978.98batch/s, acc=50.00%, loss=0.671]
Epoch 18: 100%|

| 70/70 [00:00<00:00, 913.87batch/s, acc=50.00%, loss=0.677]
Epoch 19: 100%|



| 70/70 [00:00<00:00, 954.05batch/s, acc=50.00%, loss=0.672]
Epoch 20: 100%|

| 70/70 [00:00<00:00, 927.52batch/s, acc=50.00%, loss=0.679]
Epoch 21: 100%|

| 70/70 [00:00<00:00, 947.86batch/s, acc=50.00%, loss=0.67]
Epoch 22: 100%|

| 70/70 [00:00<00:00, 963.59batch/s, acc=50.00%, loss=0.668]
Epoch 23: 100%|

| 70/70 [00:00<00:00, 939.97batch/s, acc=50.00%, loss=0.661]
Epoch 24: 100%|

| 70/70 [00:00<00:00, 537.55batch/s, acc=50.00%, loss=0.675]
Epoch 25: 100%|

| 70/70 [00:00<00:00, 462.86batch/s, acc=50.00%, loss=0.672]
Epoch 26: 100%|

| 70/70 [00:00<00:00, 966.93batch/s, acc=50.00%, loss=0.675]
Epoch 27: 100%|



| 70/70 [00:00<00:00, 1042.44batch/s, acc=50.00%, loss=0.678]
Epoch 28: 100%|

| 70/70 [00:00<00:00, 1027.45batch/s, acc=50.00%, loss=0.677]
Epoch 29: 100%|

| 70/70 [00:00<00:00, 1000.10batch/s, acc=50.00%, loss=0.678]
Epoch 30: 100%|

| 70/70 [00:00<00:00, 959.81batch/s, acc=50.00%, loss=0.681]
Epoch 31: 100%|

| 70/70 [00:00<00:00, 1100.99batch/s, acc=50.00%, loss=0.679]
Epoch 32: 100%|

| 70/70 [00:00<00:00, 892.84batch/s, acc=50.00%, loss=0.678]
Epoch 33: 100%|

| 70/70 [00:00<00:00, 976.15batch/s, acc=50.00%, loss=0.677]
Epoch 34: 100%|

| 70/70 [00:00<00:00, 951.94batch/s, acc=50.00%, loss=0.677]
Epoch 35: 100%|



| 70/70 [00:00<00:00, 950.12batch/s, acc=50.00%, loss=0.677]
Epoch 36: 100%|

| 70/70 [00:00<00:00, 1002.12batch/s, acc=50.00%, loss=0.685]
Epoch 37: 100%|

| 70/70 [00:00<00:00, 1068.54batch/s, acc=50.00%, loss=0.674]
Epoch 38: 100%|

| 70/70 [00:00<00:00, 960.28batch/s, acc=50.00%, loss=0.681]
Epoch 39: 100%|

| 70/70 [00:00<00:00, 1008.11batch/s, acc=50.00%, loss=0.679]
Epoch 40: 100%|

| 70/70 [00:00<00:00, 1057.67batch/s, acc=50.00%, loss=0.686]
Epoch 41: 100%|

| 70/70 [00:00<00:00, 1149.75batch/s, acc=50.00%, loss=0.679]
Epoch 42: 100%|

| 70/70 [00:00<00:00, 958.11batch/s, acc=50.00%, loss=0.679]
Epoch 43: 100%|

| 70/70

[00:00<00:00, 897.06batch/s, acc=50.00%, loss=0.679]
Epoch 44: 100%|  | 70/70
[00:00<00:00, 991.97batch/s, acc=70.00%, loss=0.681]
Epoch 45: 100%|  | 70/70
[00:00<00:00, 1143.27batch/s, acc=72.00%, loss=0.678]
Epoch 46: 100%|  | 70/70
[00:00<00:00, 985.24batch/s, acc=81.07%, loss=0.679]
Epoch 47: 100%|  | 70/70
[00:00<00:00, 1051.86batch/s, acc=88.94%, loss=0.673]
Epoch 48: 100%|  | 70/70
[00:00<00:00, 904.94batch/s, acc=91.80%, loss=0.675]
Epoch 49: 100%|  | 70/70
[00:00<00:00, 1025.05batch/s, acc=92.43%, loss=0.678]
End of 49, accuracy 0.9464705777168274