|=======================================================================================================================|

| Epoch | Iteration | Time Elapsed | Mini-batch | Validation | Mini-batch | Validation | Base Learning|

| | | (seconds) | Loss | Loss | Accuracy | Accuracy | Rate |

|=======================================================================================================================|

| 1 | 1 | 6.84 | 0.7054 | 0.6248 | 47.00% | 74.67% | 0.0100 |

| 1 | 2 | 24.09 | 0.6231 | | 72.00% | | 0.0100 |

| 1 | 3 | 27.18 | 0.5565 | | 74.00% | | 0.0100 |

| 1 | 4 | 30.03 | 0.4385 | | 87.00% | | 0.0100 |

| 1 | 5 | 33.17 | 0.3668 | | 84.00% | | 0.0100 |

| 1 | 6 | 36.23 | 0.2193 | | 91.00% | | 0.0100 |

| 1 | 7 | 39.00 | 0.2336 | | 88.00% | | 0.0100 |

| 1 | 8 | 43.11 | 0.1781 | 0.1698 | 92.00% | 93.33% | 0.0100 |

| 1 | 9 | 57.31 | 0.3039 | | 91.00% | | 0.0100 |

| 1 | 10 | 60.57 | 0.2625 | | 94.00% | | 0.0100 |

| 1 | 11 | 64.15 | 0.2159 | | 94.00% | | 0.0100 |

| 1 | 12 | 67.62 | 0.4062 | | 91.00% | | 0.0100 |

| 1 | 13 | 70.99 | 0.3751 | | 86.00% | | 0.0100 |

| 1 | 14 | 74.51 | 2.3791 | | 57.00% | | 0.0100 |

| 1 | 15 | 78.47 | 0.8576 | | 76.00% | | 0.0100 |

| 1 | 16 | 81.55 | 0.2011 | 0.4230 | 94.00% | 83.67% | 0.0100 |

| 2 | 17 | 96.28 | 0.8127 | | 60.00% | | 0.0100 |

| 2 | 18 | 99.40 | 0.2798 | | 92.00% | | 0.0100 |

| 2 | 19 | 102.65 | 0.4811 | | 73.00% | | 0.0100 |

| 2 | 20 | 105.70 | 0.3003 | | 89.00% | | 0.0100 |

| 2 | 21 | 108.66 | 0.4314 | | 77.00% | | 0.0100 |

| 2 | 22 | 111.95 | 0.3056 | | 91.00% | | 0.0100 |

| 2 | 23 | 114.81 | 0.4345 | | 81.00% | | 0.0100 |

| 2 | 24 | 117.99 | 1.3581 | 1.8377 | 53.00% | 76.83% | 0.0100 |

| 2 | 25 | 131.66 | 3.8158 | | 67.00% | | 0.0100 |

| 2 | 26 | 136.74 | 7.6523 | | 52.00% | | 0.0100 |

| 2 | 27 | 140.05 | 7.9712 | | 50.00% | | 0.0100 |

| 2 | 28 | 143.96 | 7.6523 | | 52.00% | | 0.0100 |

| 2 | 29 | 147.20 | NaN | | 53.00% | | 0.0100 |

| 2 | 30 | 149.80 | NaN | | 55.00% | | 0.0100 |

| 2 | 31 | 152.83 | NaN | | 44.00% | | 0.0100 |

| 2 | 32 | 155.77 | NaN | NaN | 55.00% | 50.00% | 0.0100 |

| 3 | 33 | 169.01 | NaN | | 49.00% | | 0.0100 |

| 3 | 34 | 171.46 | NaN | | 48.00% | | 0.0100 |

| 3 | 35 | 173.99 | NaN | | 59.00% | | 0.0100 |

| 3 | 36 | 176.36 | NaN | | 49.00% | | 0.0100 |

| 3 | 37 | 179.04 | NaN | | 48.00% | | 0.0100 |

| 3 | 38 | 181.66 | NaN | | 36.00% | | 0.0100 |

| 3 | 39 | 184.08 | NaN | | 60.00% | | 0.0100 |

| 3 | 40 | 186.66 | NaN | NaN | 53.00% | 50.00% | 0.0100 |

| 3 | 41 | 197.05 | NaN | | 45.00% | | 0.0100 |

| 3 | 42 | 200.30 | NaN | | 48.00% | | 0.0100 |

| 3 | 43 | 202.99 | NaN | | 50.00% | | 0.0100 |

| 3 | 44 | 206.04 | NaN | | 48.00% | | 0.0100 |

| 3 | 45 | 208.78 | NaN | | 53.00% | | 0.0100 |

| 3 | 46 | 211.29 | NaN | | 55.00% | | 0.0100 |

| 3 | 47 | 213.69 | NaN | | 44.00% | | 0.0100 |

| 3 | 48 | 216.20 | NaN | NaN | 55.00% | 50.00% | 0.0100 |

|=======================================================================================================================|

accuracy =

0

accuracy2 =

0