

```

MOSTs-MacBook-Air:darkflow-master mosthusnejahan$ python flow --model cfg/
yolo_1_class.cfg --load yolov2.weights --train --annotation train/annotations --
dataset train/images --epoch 50
/Users/mosthusnejahan/anaconda3/lib/python3.6/site-packages/h5py/__init__.py:
36: FutureWarning: Conversion of the second argument of issubdtype from `float`
to `np.floating` is deprecated. In future, it will be treated as `np.float64 ==
np.dtype(float).type`.
from ._conv import register_converters as _register_converters

```

```

Parsing ./cfg/yolov2.cfg
Parsing cfg/yolo_1_class.cfg
Loading yolov2.weights ...
Successfully identified 203934260 bytes
Finished in 1.4077568054199219s

```

Building net ...

Source	Train?	Layer description	Output size
-----+-----+-----+-----			
	input		(?, 288, 288, 3)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 288, 288, 32)
Load	Yep!	maxp 2x2p0_2	(?, 144, 144, 32)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 144, 144, 64)
Load	Yep!	maxp 2x2p0_2	(?, 72, 72, 64)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 72, 72, 128)
Load	Yep!	conv 1x1p0_1 +bnorm leaky	(?, 72, 72, 64)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 72, 72, 128)
Load	Yep!	maxp 2x2p0_2	(?, 36, 36, 128)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 36, 36, 256)
Load	Yep!	conv 1x1p0_1 +bnorm leaky	(?, 36, 36, 128)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 36, 36, 256)
Load	Yep!	maxp 2x2p0_2	(?, 18, 18, 256)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 18, 18, 512)
Load	Yep!	conv 1x1p0_1 +bnorm leaky	(?, 18, 18, 256)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 18, 18, 512)
Load	Yep!	conv 1x1p0_1 +bnorm leaky	(?, 18, 18, 256)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 18, 18, 512)
Load	Yep!	maxp 2x2p0_2	(?, 9, 9, 512)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 9, 9, 1024)
Load	Yep!	conv 1x1p0_1 +bnorm leaky	(?, 9, 9, 512)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 9, 9, 1024)
Load	Yep!	conv 1x1p0_1 +bnorm leaky	(?, 9, 9, 512)

Finish 3 epoch(es)
step 4 - loss 52.517845153808594 - moving ave loss 53.34199104690553
Finish 4 epoch(es)
step 5 - loss 52.197303771972656 - moving ave loss 53.22752231941224
Finish 5 epoch(es)
step 6 - loss 51.97359085083008 - moving ave loss 53.10212917255402
Finish 6 epoch(es)
step 7 - loss 51.617469787597656 - moving ave loss 52.95366323405839
Finish 7 epoch(es)
step 8 - loss 51.384620666503906 - moving ave loss 52.79675897730294
Finish 8 epoch(es)
step 9 - loss 51.269798278808594 - moving ave loss 52.64406290745351
Finish 9 epoch(es)
step 10 - loss 50.9823112487793 - moving ave loss 52.47788774158609
Finish 10 epoch(es)
step 11 - loss 50.93061447143555 - moving ave loss 52.323160414571035
Finish 11 epoch(es)
step 12 - loss 50.628761291503906 - moving ave loss 52.15372050226432
Finish 12 epoch(es)
step 13 - loss 50.48169708251953 - moving ave loss 51.98651816028985
Finish 13 epoch(es)
step 14 - loss 50.158145904541016 - moving ave loss 51.80368093471496
Finish 14 epoch(es)
step 15 - loss 49.97237014770508 - moving ave loss 51.62054985601398
Finish 15 epoch(es)
step 16 - loss 49.88347625732422 - moving ave loss 51.44684249614501
Finish 16 epoch(es)
step 17 - loss 49.56769943237305 - moving ave loss 51.258928189767815
Finish 17 epoch(es)
step 18 - loss 49.534515380859375 - moving ave loss 51.08648690887697
Finish 18 epoch(es)
step 19 - loss 49.39735412597656 - moving ave loss 50.91757363058693
Finish 19 epoch(es)
step 20 - loss 49.052364349365234 - moving ave loss 50.731052702464766
Finish 20 epoch(es)
step 21 - loss 48.99880599975586 - moving ave loss 50.55782803219388
Finish 21 epoch(es)
step 22 - loss 48.58448028564453 - moving ave loss 50.36049325753895
Finish 22 epoch(es)
step 23 - loss 48.69978713989258 - moving ave loss 50.19442264577431
Finish 23 epoch(es)
step 24 - loss 48.37828826904297 - moving ave loss 50.01280920810118
Finish 24 epoch(es)

step 25 - loss 48.307621002197266 - moving ave loss 49.84229038751079
Finish 25 epoch(es)

step 26 - loss 48.132789611816406 - moving ave loss 49.67134030994136
Finish 26 epoch(es)

step 27 - loss 47.908790588378906 - moving ave loss 49.49508533778511
Finish 27 epoch(es)

step 28 - loss 47.89849090576172 - moving ave loss 49.33542589458277
Finish 28 epoch(es)

step 29 - loss 47.587257385253906 - moving ave loss 49.160609043649885
Finish 29 epoch(es)

step 30 - loss 47.511390686035156 - moving ave loss 48.99568720788841
Finish 30 epoch(es)

step 31 - loss 47.39220428466797 - moving ave loss 48.83533891556636
Finish 31 epoch(es)

step 32 - loss 47.056209564208984 - moving ave loss 48.657425980430624
Finish 32 epoch(es)

step 33 - loss 47.06074523925781 - moving ave loss 48.49775790631334
Finish 33 epoch(es)

step 34 - loss 46.85639572143555 - moving ave loss 48.33362168782556
Finish 34 epoch(es)

step 35 - loss 46.67795944213867 - moving ave loss 48.16805546325687
Finish 35 epoch(es)

step 36 - loss 46.447933197021484 - moving ave loss 47.99604323663333
Finish 36 epoch(es)

step 37 - loss 46.41931915283203 - moving ave loss 47.8383708282532
Finish 37 epoch(es)

step 38 - loss 46.102622985839844 - moving ave loss 47.66479604401186
Finish 38 epoch(es)

step 39 - loss 46.07830810546875 - moving ave loss 47.50614725015755
Finish 39 epoch(es)

step 40 - loss 45.86888885498047 - moving ave loss 47.342421410639844
Finish 40 epoch(es)

step 41 - loss 45.61695098876953 - moving ave loss 47.16987436845282
Finish 41 epoch(es)

step 42 - loss 45.37630081176758 - moving ave loss 46.990517012784295
Finish 42 epoch(es)

step 43 - loss 45.455684661865234 - moving ave loss 46.83703377769239
Finish 43 epoch(es)

step 44 - loss 45.163150787353516 - moving ave loss 46.6696454786585
Finish 44 epoch(es)

step 45 - loss 45.06634521484375 - moving ave loss 46.50931545227702
Finish 45 epoch(es)

step 46 - loss 44.89509201049805 - moving ave loss 46.34789310809913

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Finish 46 epoch(es)
step 47 - loss 44.55581283569336 - moving ave loss 46.16868508085855
Finish 47 epoch(es)
step 48 - loss 44.567745208740234 - moving ave loss 46.00859109364672
Finish 48 epoch(es)
step 49 - loss 44.359519958496094 - moving ave loss 45.84368398013166
Finish 49 epoch(es)
step 50 - loss 44.18429183959961 - moving ave loss 45.677744766078455
Finish 50 epoch(es)
Checkpoint at step 50
Training finished, exit.
MOSTs-MacBook-Air:darkflow-master mosthusnejahan$ python flow --model cfg/
yolo_1_class.cfg --load yolov2.weights --train --annotation train/annotations --
dataset train/images --epoch 500
/Users/mosthusnejahan/anaconda3/lib/python3.6/site-packages/h5py/_init__.py:
36: FutureWarning: Conversion of the second argument of issubdtype from `float`
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    from ._conv import register_converters as _register_converters

```

```

Parsing ./cfg/yolov2.cfg
Parsing cfg/yolo_1_class.cfg
Loading yolov2.weights ...
Successfully identified 203934260 bytes
Finished in 1.4656059741973877s

```

Building net ...

Source	Train?	Layer description	Output size
-----+-----+-----+-----+-----			
	input		(?, 288, 288, 3)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 288, 288, 32)
Load	Yep!	maxp 2x2p0_2	(?, 144, 144, 32)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 144, 144, 64)
Load	Yep!	maxp 2x2p0_2	(?, 72, 72, 64)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 72, 72, 128)
Load	Yep!	conv 1x1p0_1 +bnorm leaky	(?, 72, 72, 64)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 72, 72, 128)
Load	Yep!	maxp 2x2p0_2	(?, 36, 36, 128)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 36, 36, 256)
Load	Yep!	conv 1x1p0_1 +bnorm leaky	(?, 36, 36, 128)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 36, 36, 256)
Load	Yep!	maxp 2x2p0_2	(?, 18, 18, 256)
Load	Yep!	conv 3x3p1_1 +bnorm leaky	(?, 18, 18, 512)

Learning rate : 1e-05

Batch size : 5

Epoch number : 500

Backup every : 2000

step 1 - loss 49.17009735107422 - moving ave loss 49.17009735107422

Finish 1 epoch(es)

step 2 - loss 48.67314147949219 - moving ave loss 49.12040176391602

Finish 2 epoch(es)

step 3 - loss 48.3780403137207 - moving ave loss 49.046165618896495

Finish 3 epoch(es)

step 4 - loss 48.1098747253418 - moving ave loss 48.95253652954103

Finish 4 epoch(es)

step 5 - loss 48.0518798828125 - moving ave loss 48.86247086486817

Finish 5 epoch(es)

step 6 - loss 47.777400970458984 - moving ave loss 48.75396387542725

Finish 6 epoch(es)

step 7 - loss 47.522117614746094 - moving ave loss 48.63077924935914

Finish 7 epoch(es)

step 8 - loss 47.194087982177734 - moving ave loss 48.487110122641

Finish 8 epoch(es)

step 9 - loss 47.19684982299805 - moving ave loss 48.358084092676705

Finish 9 epoch(es)

step 10 - loss 47.040950775146484 - moving ave loss 48.226370760923686

Finish 10 epoch(es)

step 11 - loss 46.87970733642578 - moving ave loss 48.091704418473896

Finish 11 epoch(es)

step 12 - loss 46.67023849487305 - moving ave loss 47.94955782611382

Finish 12 epoch(es)

step 13 - loss 46.33415603637695 - moving ave loss 47.78801764714013

Finish 13 epoch(es)

step 14 - loss 46.106040954589844 - moving ave loss 47.6198199778851

Finish 14 epoch(es)

step 15 - loss 46.06013488769531 - moving ave loss 47.463851468866125

Finish 15 epoch(es)

step 16 - loss 45.85545349121094 - moving ave loss 47.303011671100606

Finish 16 epoch(es)

step 17 - loss 45.81134796142578 - moving ave loss 47.15384530013313

Finish 17 epoch(es)

step 18 - loss 45.40376663208008 - moving ave loss 46.978837433327826

Finish 18 epoch(es)

step 19 - loss 45.40122229003906 - moving ave loss 46.82107591289544

Finish 19 epoch(es)

step 20 - loss 45.147544860839844 - moving ave loss 46.65372280768988

Finish 20 epoch(es)
step 21 - loss 45.04457092285156 - moving ave loss 46.492807619206054
Finish 21 epoch(es)
step 22 - loss 44.900062561035156 - moving ave loss 46.33353311338896
Finish 22 epoch(es)
step 23 - loss 44.71693801879883 - moving ave loss 46.171873603929946
Finish 23 epoch(es)
step 24 - loss 44.68578338623047 - moving ave loss 46.023264582159996
Finish 24 epoch(es)
step 25 - loss 44.623592376708984 - moving ave loss 45.88329736161489
Finish 25 epoch(es)
step 26 - loss 44.457542419433594 - moving ave loss 45.740721867396765
Finish 26 epoch(es)
step 27 - loss 44.322532653808594 - moving ave loss 45.598902946037946
Finish 27 epoch(es)
step 28 - loss 44.11681365966797 - moving ave loss 45.45069401740095
Finish 28 epoch(es)
step 29 - loss 43.871559143066406 - moving ave loss 45.292780529967494
Finish 29 epoch(es)
step 30 - loss 43.62800216674805 - moving ave loss 45.12630269364555
Finish 30 epoch(es)
step 31 - loss 43.50439453125 - moving ave loss 44.96411187740599
Finish 31 epoch(es)
step 32 - loss 43.43114471435547 - moving ave loss 44.81081516110094
Finish 32 epoch(es)
step 33 - loss 43.14928436279297 - moving ave loss 44.64466208127014
Finish 33 epoch(es)
step 34 - loss 43.187870025634766 - moving ave loss 44.4989828757066
Finish 34 epoch(es)
step 35 - loss 42.95891571044922 - moving ave loss 44.34497615918086
Finish 35 epoch(es)
step 36 - loss 42.91686248779297 - moving ave loss 44.202164792042076
Finish 36 epoch(es)
step 37 - loss 42.756710052490234 - moving ave loss 44.05761931808689
Finish 37 epoch(es)
step 38 - loss 42.483741760253906 - moving ave loss 43.900231562303595
Finish 38 epoch(es)
step 39 - loss 42.42214584350586 - moving ave loss 43.752422990423824
Finish 39 epoch(es)
step 40 - loss 42.214271545410156 - moving ave loss 43.59860784592246
Finish 40 epoch(es)
step 41 - loss 42.052734375 - moving ave loss 43.44402049883021
Finish 41 epoch(es)

step 42 - loss 41.762786865234375 - moving ave loss 43.27589713547063
Finish 42 epoch(es)
step 43 - loss 41.7654914855957 - moving ave loss 43.12485657048314
Finish 43 epoch(es)
step 44 - loss 41.632896423339844 - moving ave loss 42.97566055576881
Finish 44 epoch(es)
step 45 - loss 41.50210952758789 - moving ave loss 42.82830545295072
Finish 45 epoch(es)
step 46 - loss 41.30344009399414 - moving ave loss 42.67581891705507
Finish 46 epoch(es)
step 47 - loss 41.13079071044922 - moving ave loss 42.521316096394486
Finish 47 epoch(es)
step 48 - loss 40.96110916137695 - moving ave loss 42.365295402892734
Finish 48 epoch(es)
step 49 - loss 40.933937072753906 - moving ave loss 42.22215956987885
Finish 49 epoch(es)
step 50 - loss 40.725772857666016 - moving ave loss 42.072520898657565
Finish 50 epoch(es)
step 51 - loss 40.673484802246094 - moving ave loss 41.93261728901642
Finish 51 epoch(es)
step 52 - loss 40.294837951660156 - moving ave loss 41.7688393552808
Finish 52 epoch(es)
step 53 - loss 40.21514129638672 - moving ave loss 41.61346954939139
Finish 53 epoch(es)
step 54 - loss 40.016990661621094 - moving ave loss 41.45382166061436
Finish 54 epoch(es)
step 55 - loss 39.870323181152344 - moving ave loss 41.295471812668154
Finish 55 epoch(es)
step 56 - loss 39.744537353515625 - moving ave loss 41.1403783667529
Finish 56 epoch(es)
step 57 - loss 39.56825637817383 - moving ave loss 40.98316616789499
Finish 57 epoch(es)
step 58 - loss 39.306636810302734 - moving ave loss 40.81551323213577
Finish 58 epoch(es)
step 59 - loss 39.18828582763672 - moving ave loss 40.65279049168587
Finish 59 epoch(es)
step 60 - loss 39.097129821777344 - moving ave loss 40.49722442469502
Finish 60 epoch(es)
step 61 - loss 38.95366668701172 - moving ave loss 40.34286865092669
Finish 61 epoch(es)
step 62 - loss 38.70952224731445 - moving ave loss 40.17953401056547
Finish 62 epoch(es)
step 63 - loss 38.64415740966797 - moving ave loss 40.02599635047572

Finish 63 epoch(es)
step 64 - loss 38.498199462890625 - moving ave loss 39.87321666171721
Finish 64 epoch(es)
step 65 - loss 38.38533401489258 - moving ave loss 39.72442839703475
Finish 65 epoch(es)
step 66 - loss 38.10036087036133 - moving ave loss 39.562021644367405
Finish 66 epoch(es)
step 67 - loss 37.859596252441406 - moving ave loss 39.391779105174805
Finish 67 epoch(es)
step 68 - loss 37.73313903808594 - moving ave loss 39.22591509846592
Finish 68 epoch(es)
step 69 - loss 37.5615119934082 - moving ave loss 39.05947478796015
Finish 69 epoch(es)
step 70 - loss 37.31547164916992 - moving ave loss 38.88507447408112
Finish 70 epoch(es)
step 71 - loss 37.05311584472656 - moving ave loss 38.701878611145666
Finish 71 epoch(es)
step 72 - loss 36.92758560180664 - moving ave loss 38.524449310211764
Finish 72 epoch(es)
step 73 - loss 36.77596664428711 - moving ave loss 38.3496010436193
Finish 73 epoch(es)
step 74 - loss 36.54973220825195 - moving ave loss 38.169614160082574
Finish 74 epoch(es)
step 75 - loss 36.39097595214844 - moving ave loss 37.99175033928916
Finish 75 epoch(es)
step 76 - loss 36.119388580322266 - moving ave loss 37.80451416339247
Finish 76 epoch(es)
step 77 - loss 35.93067169189453 - moving ave loss 37.617129916242675
Finish 77 epoch(es)
step 78 - loss 36.00517272949219 - moving ave loss 37.45593419756763
Finish 78 epoch(es)
step 79 - loss 35.71663284301758 - moving ave loss 37.28200406211263
Finish 79 epoch(es)
step 80 - loss 35.472286224365234 - moving ave loss 37.10103227833788
Finish 80 epoch(es)
step 81 - loss 35.259986877441406 - moving ave loss 36.91692773824824
Finish 81 epoch(es)
step 82 - loss 35.149070739746094 - moving ave loss 36.74014203839803
Finish 82 epoch(es)
step 83 - loss 34.884403228759766 - moving ave loss 36.5545681574342
Finish 83 epoch(es)
step 84 - loss 34.766029357910156 - moving ave loss 36.37571427748179
Finish 84 epoch(es)

step 85 - loss 34.75600814819336 - moving ave loss 36.21374366455295
Finish 85 epoch(es)
step 86 - loss 34.43608093261719 - moving ave loss 36.035977391359374
Finish 86 epoch(es)
step 87 - loss 34.22499084472656 - moving ave loss 35.854878736696094
Finish 87 epoch(es)
step 88 - loss 34.01581573486328 - moving ave loss 35.67097243651281
Finish 88 epoch(es)
step 89 - loss 33.76842498779297 - moving ave loss 35.48071769164083
Finish 89 epoch(es)
step 90 - loss 33.87252426147461 - moving ave loss 35.31989834862421
Finish 90 epoch(es)
step 91 - loss 33.42046356201172 - moving ave loss 35.12995486996296
Finish 91 epoch(es)
step 92 - loss 33.1476936340332 - moving ave loss 34.931728746369984
Finish 92 epoch(es)
step 93 - loss 33.23017883300781 - moving ave loss 34.761573755033766
Finish 93 epoch(es)
step 94 - loss 32.82939529418945 - moving ave loss 34.568355908949336
Finish 94 epoch(es)
step 95 - loss 32.8399658203125 - moving ave loss 34.39551690008565
Finish 95 epoch(es)
step 96 - loss 32.37338638305664 - moving ave loss 34.193303848382754
Finish 96 epoch(es)
step 97 - loss 32.2109260559082 - moving ave loss 33.9950660691353
Finish 97 epoch(es)
step 98 - loss 32.05784606933594 - moving ave loss 33.80134406915536
Finish 98 epoch(es)
step 99 - loss 31.86903953552246 - moving ave loss 33.60811361579208
Finish 99 epoch(es)
step 100 - loss 31.87429428100586 - moving ave loss 33.434731682313455
Finish 100 epoch(es)
step 101 - loss 31.472888946533203 - moving ave loss 33.23854740873543
Finish 101 epoch(es)
step 102 - loss 31.385746002197266 - moving ave loss 33.05326726808161
Finish 102 epoch(es)
step 103 - loss 31.028797149658203 - moving ave loss 32.850820256239274
Finish 103 epoch(es)
step 104 - loss 30.901470184326172 - moving ave loss 32.65588524904797
Finish 104 epoch(es)
step 105 - loss 30.883996963500977 - moving ave loss 32.47869642049327
Finish 105 epoch(es)
step 106 - loss 30.69012451171875 - moving ave loss 32.29983922961582

Finish 106 epoch(es)
step 107 - loss 30.442956924438477 - moving ave loss 32.11415099909809
Finish 107 epoch(es)
step 108 - loss 29.930776596069336 - moving ave loss 31.89581355879521
Finish 108 epoch(es)
step 109 - loss 29.81270980834961 - moving ave loss 31.68750318375065
Finish 109 epoch(es)
step 110 - loss 29.933685302734375 - moving ave loss 31.512121395649025
Finish 110 epoch(es)
step 111 - loss 29.69923973083496 - moving ave loss 31.33083322916762
Finish 111 epoch(es)
step 112 - loss 29.441417694091797 - moving ave loss 31.14189167566004
Finish 112 epoch(es)
step 113 - loss 29.309814453125 - moving ave loss 30.95868395340654
Finish 113 epoch(es)
step 114 - loss 29.211633682250977 - moving ave loss 30.783978926290985
Finish 114 epoch(es)
step 115 - loss 28.90275001525879 - moving ave loss 30.595856035187765
Finish 115 epoch(es)
step 116 - loss 28.564769744873047 - moving ave loss 30.392747406156293
Finish 116 epoch(es)
step 117 - loss 28.494348526000977 - moving ave loss 30.202907518140762
Finish 117 epoch(es)
step 118 - loss 28.23301124572754 - moving ave loss 30.00591789089944
Finish 118 epoch(es)
step 119 - loss 28.09210777282715 - moving ave loss 29.814536879092213
Finish 119 epoch(es)
step 120 - loss 28.019756317138672 - moving ave loss 29.63505882289686
Finish 120 epoch(es)
step 121 - loss 27.797414779663086 - moving ave loss 29.451294418573482
Finish 121 epoch(es)
step 122 - loss 27.336502075195312 - moving ave loss 29.239815184235667
Finish 122 epoch(es)
step 123 - loss 27.33841323852539 - moving ave loss 29.049674989664638
Finish 123 epoch(es)
step 124 - loss 27.082006454467773 - moving ave loss 28.85290813614495
Finish 124 epoch(es)
step 125 - loss 26.768367767333984 - moving ave loss 28.644454099263854
Finish 125 epoch(es)
step 126 - loss 26.521068572998047 - moving ave loss 28.432115546637274
Finish 126 epoch(es)
step 127 - loss 26.44242286682129 - moving ave loss 28.233146278655674
Finish 127 epoch(es)

step 128 - loss 26.205175399780273 - moving ave loss 28.030349190768135
Finish 128 epoch(es)
step 129 - loss 26.132884979248047 - moving ave loss 27.84060276961613
Finish 129 epoch(es)
step 130 - loss 25.967411041259766 - moving ave loss 27.653283596780497
Finish 130 epoch(es)
step 131 - loss 25.542383193969727 - moving ave loss 27.442193556499422
Finish 131 epoch(es)
step 132 - loss 25.594676971435547 - moving ave loss 27.257441897993033
Finish 132 epoch(es)
step 133 - loss 25.108905792236328 - moving ave loss 27.042588287417363
Finish 133 epoch(es)
step 134 - loss 25.13157081604004 - moving ave loss 26.85148654027963
Finish 134 epoch(es)
step 135 - loss 24.817913055419922 - moving ave loss 26.64812919179366
Finish 135 epoch(es)
step 136 - loss 24.72662353515625 - moving ave loss 26.45597862612992
Finish 136 epoch(es)
step 137 - loss 24.31472396850586 - moving ave loss 26.241853160367516
Finish 137 epoch(es)
step 138 - loss 24.4394588470459 - moving ave loss 26.061613729035354
Finish 138 epoch(es)
step 139 - loss 24.122249603271484 - moving ave loss 25.867677316458966
Finish 139 epoch(es)
step 140 - loss 24.06722640991211 - moving ave loss 25.687632225804283
Finish 140 epoch(es)
step 141 - loss 23.601469039916992 - moving ave loss 25.47901590721555
Finish 141 epoch(es)
step 142 - loss 23.633352279663086 - moving ave loss 25.294449544460306
Finish 142 epoch(es)
step 143 - loss 23.217798233032227 - moving ave loss 25.0867844133175
Finish 143 epoch(es)
step 144 - loss 23.12192726135254 - moving ave loss 24.890298698121004
Finish 144 epoch(es)
step 145 - loss 22.95772933959961 - moving ave loss 24.697041762268864
Finish 145 epoch(es)
step 146 - loss 22.539356231689453 - moving ave loss 24.481273209210922
Finish 146 epoch(es)
step 147 - loss 22.73211669921875 - moving ave loss 24.306357558211705
Finish 147 epoch(es)
step 148 - loss 22.665088653564453 - moving ave loss 24.14223066774698
Finish 148 epoch(es)
step 149 - loss 22.429079055786133 - moving ave loss 23.970915506550895

Finish 149 epoch(es)
step 150 - loss 21.936952590942383 - moving ave loss 23.767519214990045
Finish 150 epoch(es)
step 151 - loss 21.590858459472656 - moving ave loss 23.54985313943831
Finish 151 epoch(es)
step 152 - loss 21.540771484375 - moving ave loss 23.348944973931978
Finish 152 epoch(es)
step 153 - loss 21.511356353759766 - moving ave loss 23.165186111914757
Finish 153 epoch(es)
step 154 - loss 21.19512367248535 - moving ave loss 22.968179867971816
Finish 154 epoch(es)
step 155 - loss 21.037805557250977 - moving ave loss 22.775142436899735
Finish 155 epoch(es)
step 156 - loss 20.9661808013916 - moving ave loss 22.594246273348922
Finish 156 epoch(es)
step 157 - loss 20.95696449279785 - moving ave loss 22.430518095293817
Finish 157 epoch(es)
step 158 - loss 20.90060043334961 - moving ave loss 22.2775263290994
Finish 158 epoch(es)
step 159 - loss 20.62523078918457 - moving ave loss 22.112296775107914
Finish 159 epoch(es)
step 160 - loss 20.28517723083496 - moving ave loss 21.92958482068062
Finish 160 epoch(es)
step 161 - loss 19.96630859375 - moving ave loss 21.73325719798756
Finish 161 epoch(es)
step 162 - loss 19.958545684814453 - moving ave loss 21.55578604667025
Finish 162 epoch(es)
step 163 - loss 19.72348976135254 - moving ave loss 21.37255641813848
Finish 163 epoch(es)
step 164 - loss 19.669925689697266 - moving ave loss 21.202293345294358
Finish 164 epoch(es)
step 165 - loss 19.205657958984375 - moving ave loss 21.00262980666336
Finish 165 epoch(es)
step 166 - loss 19.477022171020508 - moving ave loss 20.850069043099076
Finish 166 epoch(es)
step 167 - loss 18.967466354370117 - moving ave loss 20.66180877422618
Finish 167 epoch(es)
step 168 - loss 19.212032318115234 - moving ave loss 20.516831128615088
Finish 168 epoch(es)
step 169 - loss 18.857952117919922 - moving ave loss 20.350943227545574
Finish 169 epoch(es)
step 170 - loss 18.505903244018555 - moving ave loss 20.166439229192875
Finish 170 epoch(es)

step 171 - loss 18.360095977783203 - moving ave loss 19.98580490405191
Finish 171 epoch(es)
step 172 - loss 18.423213958740234 - moving ave loss 19.829545809520745
Finish 172 epoch(es)
step 173 - loss 18.270137786865234 - moving ave loss 19.673605007255194
Finish 173 epoch(es)
step 174 - loss 18.06412124633789 - moving ave loss 19.512656631163463
Finish 174 epoch(es)
step 175 - loss 18.157106399536133 - moving ave loss 19.377101608000732
Finish 175 epoch(es)
step 176 - loss 18.198623657226562 - moving ave loss 19.259253812923316
Finish 176 epoch(es)
step 177 - loss 17.681304931640625 - moving ave loss 19.101458924795047
Finish 177 epoch(es)
step 178 - loss 17.478593826293945 - moving ave loss 18.939172414944935
Finish 178 epoch(es)
step 179 - loss 17.24873924255371 - moving ave loss 18.770129097705812
Finish 179 epoch(es)
step 180 - loss 17.134702682495117 - moving ave loss 18.606586456184743
Finish 180 epoch(es)
step 181 - loss 17.2043399810791 - moving ave loss 18.46636180867418
Finish 181 epoch(es)
step 182 - loss 16.738483428955078 - moving ave loss 18.29357397070227
Finish 182 epoch(es)
step 183 - loss 16.886417388916016 - moving ave loss 18.152858312523644
Finish 183 epoch(es)
step 184 - loss 16.821380615234375 - moving ave loss 18.01971054279472
Finish 184 epoch(es)
step 185 - loss 16.501842498779297 - moving ave loss 17.86792373839318
Finish 185 epoch(es)
step 186 - loss 16.630308151245117 - moving ave loss 17.744162179678373
Finish 186 epoch(es)
step 187 - loss 16.160659790039062 - moving ave loss 17.585811940714443
Finish 187 epoch(es)
step 188 - loss 16.003021240234375 - moving ave loss 17.427532870666436
Finish 188 epoch(es)
step 189 - loss 16.11663246154785 - moving ave loss 17.29644282975458
Finish 189 epoch(es)
step 190 - loss 15.795979499816895 - moving ave loss 17.14639649676081
Finish 190 epoch(es)
step 191 - loss 15.665738105773926 - moving ave loss 16.998330657662123
Finish 191 epoch(es)
step 192 - loss 15.43914794921875 - moving ave loss 16.842412386817784

Finish 192 epoch(es)
step 193 - loss 15.314092636108398 - moving ave loss 16.689580411746846
Finish 193 epoch(es)
step 194 - loss 15.369363784790039 - moving ave loss 16.557558749051164
Finish 194 epoch(es)
step 195 - loss 15.27964973449707 - moving ave loss 16.429767847595755
Finish 195 epoch(es)
step 196 - loss 15.07239818572998 - moving ave loss 16.294030881409178
Finish 196 epoch(es)
step 197 - loss 14.817953109741211 - moving ave loss 16.14642310424238
Finish 197 epoch(es)
step 198 - loss 15.0590238571167 - moving ave loss 16.037683179529814
Finish 198 epoch(es)
step 199 - loss 15.132908821105957 - moving ave loss 15.947205743687428
Finish 199 epoch(es)
step 200 - loss 14.515345573425293 - moving ave loss 15.804019726661215
Finish 200 epoch(es)
step 201 - loss 14.33337116241455 - moving ave loss 15.656954870236548
Finish 201 epoch(es)
step 202 - loss 14.638262748718262 - moving ave loss 15.55508565808472
Finish 202 epoch(es)
step 203 - loss 14.189607620239258 - moving ave loss 15.418537854300173
Finish 203 epoch(es)
step 204 - loss 14.110708236694336 - moving ave loss 15.287754892539589
Finish 204 epoch(es)
step 205 - loss 14.014259338378906 - moving ave loss 15.160405337123521
Finish 205 epoch(es)
step 206 - loss 14.006677627563477 - moving ave loss 15.045032566167517
Finish 206 epoch(es)
step 207 - loss 14.09032154083252 - moving ave loss 14.94956146363402
Finish 207 epoch(es)
step 208 - loss 13.892346382141113 - moving ave loss 14.843839955484729
Finish 208 epoch(es)
step 209 - loss 13.451179504394531 - moving ave loss 14.704573910375709
Finish 209 epoch(es)
step 210 - loss 13.482966423034668 - moving ave loss 14.582413161641606
Finish 210 epoch(es)
step 211 - loss 13.477577209472656 - moving ave loss 14.471929566424711
Finish 211 epoch(es)
step 212 - loss 13.280191421508789 - moving ave loss 14.352755751933119
Finish 212 epoch(es)
step 213 - loss 13.257267951965332 - moving ave loss 14.24320697193634
Finish 213 epoch(es)

step 214 - loss 13.005892753601074 - moving ave loss 14.119475550102813
Finish 214 epoch(es)
step 215 - loss 13.0950927734375 - moving ave loss 14.017037272436282
Finish 215 epoch(es)
step 216 - loss 12.922082901000977 - moving ave loss 13.90754183529275
Finish 216 epoch(es)
step 217 - loss 12.866464614868164 - moving ave loss 13.803434113250292
Finish 217 epoch(es)
step 218 - loss 12.6287260055542 - moving ave loss 13.685963302480683
Finish 218 epoch(es)
step 219 - loss 12.948158264160156 - moving ave loss 13.612182798648632
Finish 219 epoch(es)
step 220 - loss 12.642653465270996 - moving ave loss 13.51522986531087
Finish 220 epoch(es)
step 221 - loss 12.823020935058594 - moving ave loss 13.446008972285643
Finish 221 epoch(es)
step 222 - loss 12.39716911315918 - moving ave loss 13.341124986372998
Finish 222 epoch(es)
step 223 - loss 12.401992797851562 - moving ave loss 13.247211767520856
Finish 223 epoch(es)
step 224 - loss 12.082698822021484 - moving ave loss 13.13076047297092
Finish 224 epoch(es)
step 225 - loss 12.089460372924805 - moving ave loss 13.02663046296631
Finish 225 epoch(es)
step 226 - loss 11.973109245300293 - moving ave loss 12.921278341199708
Finish 226 epoch(es)
step 227 - loss 11.854211807250977 - moving ave loss 12.814571687804834
Finish 227 epoch(es)
step 228 - loss 11.964433670043945 - moving ave loss 12.729557886028747
Finish 228 epoch(es)
step 229 - loss 11.726617813110352 - moving ave loss 12.629263878736907
Finish 229 epoch(es)
step 230 - loss 11.656000137329102 - moving ave loss 12.531937504596126
Finish 230 epoch(es)
step 231 - loss 11.7589111328125 - moving ave loss 12.454634867417763
Finish 231 epoch(es)
step 232 - loss 11.510687828063965 - moving ave loss 12.360240163482382
Finish 232 epoch(es)
step 233 - loss 11.383401870727539 - moving ave loss 12.262556334206897
Finish 233 epoch(es)
step 234 - loss 11.303472518920898 - moving ave loss 12.166647952678296
Finish 234 epoch(es)
step 235 - loss 11.256155014038086 - moving ave loss 12.075598658814275

Finish 235 epoch(es)
step 236 - loss 11.160062789916992 - moving ave loss 11.984045071924548
Finish 236 epoch(es)
step 237 - loss 11.024518966674805 - moving ave loss 11.888092461399573
Finish 237 epoch(es)
step 238 - loss 10.89653205871582 - moving ave loss 11.788936421131197
Finish 238 epoch(es)
step 239 - loss 11.036271095275879 - moving ave loss 11.713669888545667
Finish 239 epoch(es)
step 240 - loss 10.769899368286133 - moving ave loss 11.619292836519714
Finish 240 epoch(es)
step 241 - loss 10.656736373901367 - moving ave loss 11.52303719025788
Finish 241 epoch(es)
step 242 - loss 10.695898056030273 - moving ave loss 11.440323276835118
Finish 242 epoch(es)
step 243 - loss 10.757962226867676 - moving ave loss 11.372087171838373
Finish 243 epoch(es)
step 244 - loss 10.764226913452148 - moving ave loss 11.311301145999751
Finish 244 epoch(es)
step 245 - loss 10.64344596862793 - moving ave loss 11.244515628262569
Finish 245 epoch(es)
step 246 - loss 10.45794677734375 - moving ave loss 11.165858743170686
Finish 246 epoch(es)
step 247 - loss 10.283501625061035 - moving ave loss 11.077623031359721
Finish 247 epoch(es)
step 248 - loss 10.144796371459961 - moving ave loss 10.984340365369745
Finish 248 epoch(es)
step 249 - loss 10.49146842956543 - moving ave loss 10.935053171789313
Finish 249 epoch(es)
step 250 - loss 9.990087509155273 - moving ave loss 10.84055660552591
Finish 250 epoch(es)
step 251 - loss 10.299566268920898 - moving ave loss 10.786457571865409
Finish 251 epoch(es)
step 252 - loss 9.881473541259766 - moving ave loss 10.695959168804844
Finish 252 epoch(es)
step 253 - loss 9.84864616394043 - moving ave loss 10.611227868318403
Finish 253 epoch(es)
step 254 - loss 9.681570053100586 - moving ave loss 10.518262086796621
Finish 254 epoch(es)
step 255 - loss 9.905618667602539 - moving ave loss 10.456997744877214
Finish 255 epoch(es)
step 256 - loss 9.771245956420898 - moving ave loss 10.388422566031583
Finish 256 epoch(es)

step 257 - loss 9.706464767456055 - moving ave loss 10.32022678617403
Finish 257 epoch(es)
step 258 - loss 9.698542594909668 - moving ave loss 10.258058367047594
Finish 258 epoch(es)
step 259 - loss 9.583234786987305 - moving ave loss 10.190576009041566
Finish 259 epoch(es)
step 260 - loss 9.678152084350586 - moving ave loss 10.139333616572468
Finish 260 epoch(es)
step 261 - loss 9.260039329528809 - moving ave loss 10.051404187868103
Finish 261 epoch(es)
step 262 - loss 9.377257347106934 - moving ave loss 9.983989503791985
Finish 262 epoch(es)
step 263 - loss 9.099787712097168 - moving ave loss 9.895569324622505
Finish 263 epoch(es)
step 264 - loss 9.081172943115234 - moving ave loss 9.814129686471778
Finish 264 epoch(es)
step 265 - loss 9.069218635559082 - moving ave loss 9.73963858138051
Finish 265 epoch(es)
step 266 - loss 8.945009231567383 - moving ave loss 9.660175646399196
Finish 266 epoch(es)
step 267 - loss 8.827616691589355 - moving ave loss 9.576919750918211
Finish 267 epoch(es)
step 268 - loss 8.932807922363281 - moving ave loss 9.512508568062719
Finish 268 epoch(es)
step 269 - loss 8.848350524902344 - moving ave loss 9.446092763746682
Finish 269 epoch(es)
step 270 - loss 8.86793041229248 - moving ave loss 9.388276528601262
Finish 270 epoch(es)
step 271 - loss 8.892001152038574 - moving ave loss 9.338648990944993
Finish 271 epoch(es)
step 272 - loss 8.830158233642578 - moving ave loss 9.287799915214752
Finish 272 epoch(es)
step 273 - loss 8.543391227722168 - moving ave loss 9.213359046465493
Finish 273 epoch(es)
step 274 - loss 8.60301399230957 - moving ave loss 9.152324541049902
Finish 274 epoch(es)
step 275 - loss 8.379629135131836 - moving ave loss 9.075055000458097
Finish 275 epoch(es)
step 276 - loss 8.272560119628906 - moving ave loss 8.994805512375178
Finish 276 epoch(es)
step 277 - loss 8.503377914428711 - moving ave loss 8.945662752580532
Finish 277 epoch(es)
step 278 - loss 8.128347396850586 - moving ave loss 8.863931217007538

Finish 278 epoch(es)
step 279 - loss 8.32514476776123 - moving ave loss 8.810052572082908
Finish 279 epoch(es)
step 280 - loss 8.258541107177734 - moving ave loss 8.754901425592392
Finish 280 epoch(es)
step 281 - loss 8.18557071685791 - moving ave loss 8.697968354718943
Finish 281 epoch(es)
step 282 - loss 8.079026222229004 - moving ave loss 8.63607414146995
Finish 282 epoch(es)
step 283 - loss 8.218955039978027 - moving ave loss 8.594362231320757
Finish 283 epoch(es)
step 284 - loss 7.994554042816162 - moving ave loss 8.534381412470298
Finish 284 epoch(es)
step 285 - loss 7.964476108551025 - moving ave loss 8.477390882078371
Finish 285 epoch(es)
step 286 - loss 7.846376895904541 - moving ave loss 8.414289483460987
Finish 286 epoch(es)
step 287 - loss 7.931250095367432 - moving ave loss 8.365985544651632
Finish 287 epoch(es)
step 288 - loss 7.892184257507324 - moving ave loss 8.318605415937203
Finish 288 epoch(es)
step 289 - loss 7.642127990722656 - moving ave loss 8.250957673415748
Finish 289 epoch(es)
step 290 - loss 7.500550270080566 - moving ave loss 8.17591693308223
Finish 290 epoch(es)
step 291 - loss 7.563916206359863 - moving ave loss 8.114716860409994
Finish 291 epoch(es)
step 292 - loss 7.4717864990234375 - moving ave loss 8.050423824271338
Finish 292 epoch(es)
step 293 - loss 7.420523643493652 - moving ave loss 7.987433806193569
Finish 293 epoch(es)
step 294 - loss 7.260472774505615 - moving ave loss 7.914737703024774
Finish 294 epoch(es)
step 295 - loss 7.397719383239746 - moving ave loss 7.8630358710462716
Finish 295 epoch(es)
step 296 - loss 7.366676330566406 - moving ave loss 7.813399916998285
Finish 296 epoch(es)
step 297 - loss 7.279111385345459 - moving ave loss 7.759971063833003
Finish 297 epoch(es)
step 298 - loss 7.238066673278809 - moving ave loss 7.707780624777584
Finish 298 epoch(es)
step 299 - loss 7.387485504150391 - moving ave loss 7.675751112714865
Finish 299 epoch(es)

step 300 - loss 7.171231746673584 - moving ave loss 7.625299176110738
Finish 300 epoch(es)
step 301 - loss 7.306868076324463 - moving ave loss 7.59345606613211
Finish 301 epoch(es)
step 302 - loss 7.095877647399902 - moving ave loss 7.54369822425889
Finish 302 epoch(es)
step 303 - loss 7.140448093414307 - moving ave loss 7.503373211174432
Finish 303 epoch(es)
step 304 - loss 6.887290954589844 - moving ave loss 7.441764985515973
Finish 304 epoch(es)
step 305 - loss 6.880714416503906 - moving ave loss 7.385659928614767
Finish 305 epoch(es)
step 306 - loss 6.736666202545166 - moving ave loss 7.320760556007807
Finish 306 epoch(es)
step 307 - loss 6.698763847351074 - moving ave loss 7.258560885142134
Finish 307 epoch(es)
step 308 - loss 6.713379859924316 - moving ave loss 7.204042782620353
Finish 308 epoch(es)
step 309 - loss 6.718331813812256 - moving ave loss 7.155471685739544
Finish 309 epoch(es)
step 310 - loss 6.5750226974487305 - moving ave loss 7.097426786910463
Finish 310 epoch(es)
step 311 - loss 6.541937828063965 - moving ave loss 7.0418778910258135
Finish 311 epoch(es)
step 312 - loss 6.562569618225098 - moving ave loss 6.9939470637457415
Finish 312 epoch(es)
step 313 - loss 6.496601104736328 - moving ave loss 6.9442124678448005
Finish 313 epoch(es)
step 314 - loss 6.418556213378906 - moving ave loss 6.891646842398211
Finish 314 epoch(es)
step 315 - loss 6.338746070861816 - moving ave loss 6.836356765244572
Finish 315 epoch(es)
step 316 - loss 6.408749580383301 - moving ave loss 6.793596046758445
Finish 316 epoch(es)
step 317 - loss 6.42669153213501 - moving ave loss 6.756905595296102
Finish 317 epoch(es)
step 318 - loss 6.371372222900391 - moving ave loss 6.718352258056531
Finish 318 epoch(es)
step 319 - loss 6.199373722076416 - moving ave loss 6.66645440445852
Finish 319 epoch(es)
step 320 - loss 6.2646918296813965 - moving ave loss 6.626278146980807
Finish 320 epoch(es)
step 321 - loss 6.050608158111572 - moving ave loss 6.568711148093884

Finish 321 epoch(es)
step 322 - loss 6.124700546264648 - moving ave loss 6.524310087910961
Finish 322 epoch(es)
step 323 - loss 5.969899654388428 - moving ave loss 6.468869044558708
Finish 323 epoch(es)
step 324 - loss 5.951504707336426 - moving ave loss 6.41713261083648
Finish 324 epoch(es)
step 325 - loss 5.960572719573975 - moving ave loss 6.3714766217102285
Finish 325 epoch(es)
step 326 - loss 6.007735252380371 - moving ave loss 6.335102484777243
Finish 326 epoch(es)
step 327 - loss 5.914569854736328 - moving ave loss 6.293049221773152
Finish 327 epoch(es)
step 328 - loss 5.8671770095825195 - moving ave loss 6.250462000554088
Finish 328 epoch(es)
step 329 - loss 5.733650207519531 - moving ave loss 6.198780821250632
Finish 329 epoch(es)
step 330 - loss 5.819998741149902 - moving ave loss 6.160902613240559
Finish 330 epoch(es)
step 331 - loss 5.933432102203369 - moving ave loss 6.13815556213684
Finish 331 epoch(es)
step 332 - loss 5.924997329711914 - moving ave loss 6.116839738894348
Finish 332 epoch(es)
step 333 - loss 5.593667030334473 - moving ave loss 6.06452246803836
Finish 333 epoch(es)
step 334 - loss 5.574479579925537 - moving ave loss 6.015518179227078
Finish 334 epoch(es)
step 335 - loss 5.5505452156066895 - moving ave loss 5.969020882865038
Finish 335 epoch(es)
step 336 - loss 5.827691555023193 - moving ave loss 5.954887950080854
Finish 336 epoch(es)
step 337 - loss 5.601101875305176 - moving ave loss 5.919509342603286
Finish 337 epoch(es)
step 338 - loss 5.337098121643066 - moving ave loss 5.861268220507264
Finish 338 epoch(es)
step 339 - loss 5.511229991912842 - moving ave loss 5.8262643976478214
Finish 339 epoch(es)
step 340 - loss 5.301810264587402 - moving ave loss 5.773818984341779
Finish 340 epoch(es)
step 341 - loss 5.37332820892334 - moving ave loss 5.733769906799935
Finish 341 epoch(es)
step 342 - loss 5.3275322914123535 - moving ave loss 5.693146145261177
Finish 342 epoch(es)

step 343 - loss 5.385760307312012 - moving ave loss 5.662407561466261
Finish 343 epoch(es)
step 344 - loss 5.210729598999023 - moving ave loss 5.617239765219537
Finish 344 epoch(es)
step 345 - loss 5.18320369720459 - moving ave loss 5.573836158418042
Finish 345 epoch(es)
step 346 - loss 5.105060577392578 - moving ave loss 5.5269586003154965
Finish 346 epoch(es)
step 347 - loss 5.227229118347168 - moving ave loss 5.4969856521186635
Finish 347 epoch(es)
step 348 - loss 5.038458824157715 - moving ave loss 5.451132969322569
Finish 348 epoch(es)
step 349 - loss 4.979719638824463 - moving ave loss 5.4039916362727585
Finish 349 epoch(es)
step 350 - loss 5.05410099029541 - moving ave loss 5.369002571675024
Finish 350 epoch(es)
step 351 - loss 5.210596561431885 - moving ave loss 5.35316197065071
Finish 351 epoch(es)
step 352 - loss 4.955297946929932 - moving ave loss 5.313375568278633
Finish 352 epoch(es)
step 353 - loss 4.859041690826416 - moving ave loss 5.267942180533411
Finish 353 epoch(es)
step 354 - loss 4.853145122528076 - moving ave loss 5.226462474732878
Finish 354 epoch(es)
step 355 - loss 4.872769832611084 - moving ave loss 5.191093210520698
Finish 355 epoch(es)
step 356 - loss 4.738907814025879 - moving ave loss 5.145874670871216
Finish 356 epoch(es)
step 357 - loss 4.9581499099731445 - moving ave loss 5.1271021947814095
Finish 357 epoch(es)
step 358 - loss 4.82761287689209 - moving ave loss 5.097153262992478
Finish 358 epoch(es)
step 359 - loss 4.726612091064453 - moving ave loss 5.060099145799676
Finish 359 epoch(es)
step 360 - loss 5.006563663482666 - moving ave loss 5.054745597567975
Finish 360 epoch(es)
step 361 - loss 4.6886162757873535 - moving ave loss 5.0181326653899125
Finish 361 epoch(es)
step 362 - loss 4.677350997924805 - moving ave loss 4.984054498643402
Finish 362 epoch(es)
step 363 - loss 4.538177967071533 - moving ave loss 4.939466845486215
Finish 363 epoch(es)
step 364 - loss 4.467400550842285 - moving ave loss 4.892260216021822

Finish 364 epoch(es)
step 365 - loss 4.584550380706787 - moving ave loss 4.861489232490319
Finish 365 epoch(es)
step 366 - loss 4.501023292541504 - moving ave loss 4.825442638495438
Finish 366 epoch(es)
step 367 - loss 4.445539951324463 - moving ave loss 4.78745236977834
Finish 367 epoch(es)
step 368 - loss 4.469701290130615 - moving ave loss 4.7556772618135685
Finish 368 epoch(es)
step 369 - loss 4.629100322723389 - moving ave loss 4.74301956790455
Finish 369 epoch(es)
step 370 - loss 4.35650634765625 - moving ave loss 4.704368245879721
Finish 370 epoch(es)
step 371 - loss 4.424130439758301 - moving ave loss 4.676344465267579
Finish 371 epoch(es)
step 372 - loss 4.4077067375183105 - moving ave loss 4.649480692492652
Finish 372 epoch(es)
step 373 - loss 4.207873344421387 - moving ave loss 4.605319957685526
Finish 373 epoch(es)
step 374 - loss 4.193665981292725 - moving ave loss 4.564154560046246
Finish 374 epoch(es)
step 375 - loss 4.355100154876709 - moving ave loss 4.543249119529293
Finish 375 epoch(es)
step 376 - loss 4.1621527671813965 - moving ave loss 4.505139484294503
Finish 376 epoch(es)
step 377 - loss 4.410150051116943 - moving ave loss 4.495640540976747
Finish 377 epoch(es)
step 378 - loss 4.194672584533691 - moving ave loss 4.465543745332441
Finish 378 epoch(es)
step 379 - loss 4.231659889221191 - moving ave loss 4.442155359721316
Finish 379 epoch(es)
step 380 - loss 4.089169979095459 - moving ave loss 4.406856821658731
Finish 380 epoch(es)
step 381 - loss 4.1342854499816895 - moving ave loss 4.379599684491026
Finish 381 epoch(es)
step 382 - loss 4.036791801452637 - moving ave loss 4.345318896187187
Finish 382 epoch(es)
step 383 - loss 4.048023700714111 - moving ave loss 4.31558937663988
Finish 383 epoch(es)
step 384 - loss 4.018754005432129 - moving ave loss 4.285905839519105
Finish 384 epoch(es)
step 385 - loss 3.992851972579956 - moving ave loss 4.25660045282519
Finish 385 epoch(es)

step 386 - loss 3.9193973541259766 - moving ave loss 4.222880142955269
Finish 386 epoch(es)
step 387 - loss 3.938112735748291 - moving ave loss 4.194403402234571
Finish 387 epoch(es)
step 388 - loss 3.9079642295837402 - moving ave loss 4.165759484969488
Finish 388 epoch(es)
step 389 - loss 3.846436023712158 - moving ave loss 4.133827138843755
Finish 389 epoch(es)
step 390 - loss 3.860105037689209 - moving ave loss 4.106454928728301
Finish 390 epoch(es)
step 391 - loss 3.740922212600708 - moving ave loss 4.069901657115542
Finish 391 epoch(es)
step 392 - loss 3.79718279838562 - moving ave loss 4.04262977124255
Finish 392 epoch(es)
step 393 - loss 3.718067169189453 - moving ave loss 4.01017351103724
Finish 393 epoch(es)
step 394 - loss 3.6544692516326904 - moving ave loss 3.9746030850967853
Finish 394 epoch(es)
step 395 - loss 3.653810501098633 - moving ave loss 3.94252382669697
Finish 395 epoch(es)
step 396 - loss 3.562147617340088 - moving ave loss 3.9044862057612817
Finish 396 epoch(es)
step 397 - loss 3.8102002143859863 - moving ave loss 3.8950576066237526
Finish 397 epoch(es)
step 398 - loss 3.574596881866455 - moving ave loss 3.863011534148023
Finish 398 epoch(es)
step 399 - loss 3.8042895793914795 - moving ave loss 3.8571393386723685
Finish 399 epoch(es)
step 400 - loss 3.5235259532928467 - moving ave loss 3.8237780001344164
Checkpoint at step 400
Finish 400 epoch(es)
step 401 - loss 3.451200485229492 - moving ave loss 3.786520248643924
Finish 401 epoch(es)
step 402 - loss 3.5528011322021484 - moving ave loss 3.7631483369997465
Finish 402 epoch(es)
step 403 - loss 3.4572949409484863 - moving ave loss 3.7325629973946204
Finish 403 epoch(es)
step 404 - loss 3.477036237716675 - moving ave loss 3.707010321426826
Finish 404 epoch(es)
step 405 - loss 3.4669318199157715 - moving ave loss 3.6830024712757203
Finish 405 epoch(es)
step 406 - loss 3.4674460887908936 - moving ave loss 3.661446833027238
Finish 406 epoch(es)

step 407 - loss 3.4696807861328125 - moving ave loss 3.6422702283377957
Finish 407 epoch(es)
step 408 - loss 3.886892795562744 - moving ave loss 3.6667324850602907
Finish 408 epoch(es)
step 409 - loss 3.2635140419006348 - moving ave loss 3.626410640744325
Finish 409 epoch(es)
step 410 - loss 3.2803707122802734 - moving ave loss 3.5918066478979203
Finish 410 epoch(es)
step 411 - loss 3.3549938201904297 - moving ave loss 3.5681253651271714
Finish 411 epoch(es)
step 412 - loss 3.22978138923645 - moving ave loss 3.5342909675380993
Finish 412 epoch(es)
step 413 - loss 3.1758971214294434 - moving ave loss 3.498451582927234
Finish 413 epoch(es)
step 414 - loss 3.15067720413208 - moving ave loss 3.463674145047719
Finish 414 epoch(es)
step 415 - loss 3.273128032684326 - moving ave loss 3.44461953381138
Finish 415 epoch(es)
step 416 - loss 3.1338188648223877 - moving ave loss 3.413539466912481
Finish 416 epoch(es)
step 417 - loss 3.11537504196167 - moving ave loss 3.3837230244174
Finish 417 epoch(es)
step 418 - loss 3.0985939502716064 - moving ave loss 3.355210117002821
Finish 418 epoch(es)
step 419 - loss 3.042706251144409 - moving ave loss 3.3239597304169797
Finish 419 epoch(es)
step 420 - loss 3.1222877502441406 - moving ave loss 3.303792532399696
Finish 420 epoch(es)
step 421 - loss 3.0106523036956787 - moving ave loss 3.274478509529294
Finish 421 epoch(es)
step 422 - loss 2.988386631011963 - moving ave loss 3.245869321677561
Finish 422 epoch(es)
step 423 - loss 3.3342247009277344 - moving ave loss 3.2547048596025787
Finish 423 epoch(es)
step 424 - loss 3.0705831050872803 - moving ave loss 3.236292684151049
Finish 424 epoch(es)
step 425 - loss 2.9980204105377197 - moving ave loss 3.212465456789716
Finish 425 epoch(es)
step 426 - loss 3.061079502105713 - moving ave loss 3.197326861321316
Finish 426 epoch(es)
step 427 - loss 2.900932788848877 - moving ave loss 3.167687454074072
Finish 427 epoch(es)
step 428 - loss 3.0594208240509033 - moving ave loss 3.156860791071755

Finish 428 epoch(es)
step 429 - loss 2.902219295501709 - moving ave loss 3.1313966415147507
Finish 429 epoch(es)
step 430 - loss 3.004178285598755 - moving ave loss 3.118674805923151
Finish 430 epoch(es)
step 431 - loss 2.83341646194458 - moving ave loss 3.0901489715252937
Finish 431 epoch(es)
step 432 - loss 2.7672677040100098 - moving ave loss 3.057860844773765
Finish 432 epoch(es)
step 433 - loss 3.0786452293395996 - moving ave loss 3.0599392832303485
Finish 433 epoch(es)
step 434 - loss 2.8353495597839355 - moving ave loss 3.0374803108857074
Finish 434 epoch(es)
step 435 - loss 2.8142404556274414 - moving ave loss 3.015156325359881
Finish 435 epoch(es)
step 436 - loss 2.7606215476989746 - moving ave loss 2.98970284759379
Finish 436 epoch(es)
step 437 - loss 2.8229756355285645 - moving ave loss 2.973030126387268
Finish 437 epoch(es)
step 438 - loss 2.797747850418091 - moving ave loss 2.95550189879035
Finish 438 epoch(es)
step 439 - loss 2.6608452796936035 - moving ave loss 2.9260362368806754
Finish 439 epoch(es)
step 440 - loss 2.8928751945495605 - moving ave loss 2.922720132647564
Finish 440 epoch(es)
step 441 - loss 2.743833065032959 - moving ave loss 2.9048314258861034
Finish 441 epoch(es)
step 442 - loss 2.636589765548706 - moving ave loss 2.878007259852364
Finish 442 epoch(es)
step 443 - loss 2.678131103515625 - moving ave loss 2.85801964421869
Finish 443 epoch(es)
step 444 - loss 2.8198862075805664 - moving ave loss 2.854206300554878
Finish 444 epoch(es)
step 445 - loss 2.6998722553253174 - moving ave loss 2.838772896031922
Finish 445 epoch(es)
step 446 - loss 2.492225170135498 - moving ave loss 2.80411812344228
Finish 446 epoch(es)
step 447 - loss 2.639984607696533 - moving ave loss 2.7877047718677055
Finish 447 epoch(es)
step 448 - loss 2.514220952987671 - moving ave loss 2.760356389979702
Finish 448 epoch(es)
step 449 - loss 2.4930198192596436 - moving ave loss 2.7336227329076963
Finish 449 epoch(es)

step 450 - loss 2.8859801292419434 - moving ave loss 2.748858472541121
Finish 450 epoch(es)
step 451 - loss 2.598742961883545 - moving ave loss 2.733846921475364
Finish 451 epoch(es)
step 452 - loss 2.6905393600463867 - moving ave loss 2.729516165332466
Finish 452 epoch(es)
step 453 - loss 2.5486056804656982 - moving ave loss 2.7114251168457892
Finish 453 epoch(es)
step 454 - loss 2.435965061187744 - moving ave loss 2.683879111279985
Finish 454 epoch(es)
step 455 - loss 2.350301742553711 - moving ave loss 2.6505213744073575
Finish 455 epoch(es)
step 456 - loss 2.4951701164245605 - moving ave loss 2.634986248609078
Finish 456 epoch(es)
step 457 - loss 2.3189151287078857 - moving ave loss 2.6033791366189587
Finish 457 epoch(es)
step 458 - loss 2.3279597759246826 - moving ave loss 2.575837200549531
Finish 458 epoch(es)
step 459 - loss 2.430943012237549 - moving ave loss 2.561347781718333
Finish 459 epoch(es)
step 460 - loss 2.358485698699951 - moving ave loss 2.541061573416495
Finish 460 epoch(es)
step 461 - loss 2.402329683303833 - moving ave loss 2.5271883844052287
Finish 461 epoch(es)
step 462 - loss 2.425321102142334 - moving ave loss 2.5170016561789392
Finish 462 epoch(es)
step 463 - loss 2.3927063941955566 - moving ave loss 2.5045721299806014
Finish 463 epoch(es)
step 464 - loss 2.3883676528930664 - moving ave loss 2.492951682271848
Finish 464 epoch(es)
step 465 - loss 2.2217652797698975 - moving ave loss 2.465833042021653
Finish 465 epoch(es)
step 466 - loss 2.5323846340179443 - moving ave loss 2.472488201221282
Finish 466 epoch(es)
step 467 - loss 2.252183675765991 - moving ave loss 2.450457748675753
Finish 467 epoch(es)
step 468 - loss 2.2268433570861816 - moving ave loss 2.4280963095167962
Finish 468 epoch(es)
step 469 - loss 2.1479923725128174 - moving ave loss 2.4000859158163985
Finish 469 epoch(es)
step 470 - loss 2.254041910171509 - moving ave loss 2.3854815152519095
Finish 470 epoch(es)
step 471 - loss 2.243100643157959 - moving ave loss 2.3712434280425145

Finish 471 epoch(es)
step 472 - loss 2.127657413482666 - moving ave loss 2.3468848265865296
Finish 472 epoch(es)
step 473 - loss 2.1381568908691406 - moving ave loss 2.326012033014791
Finish 473 epoch(es)
step 474 - loss 2.0686275959014893 - moving ave loss 2.300273589303461
Finish 474 epoch(es)
step 475 - loss 2.156148910522461 - moving ave loss 2.285861121425361
Finish 475 epoch(es)
step 476 - loss 2.129549503326416 - moving ave loss 2.2702299596154667
Finish 476 epoch(es)
step 477 - loss 2.1782543659210205 - moving ave loss 2.2610324002460223
Finish 477 epoch(es)
step 478 - loss 2.1185338497161865 - moving ave loss 2.2467825451930388
Finish 478 epoch(es)
step 479 - loss 2.055896759033203 - moving ave loss 2.227693966577055
Finish 479 epoch(es)
step 480 - loss 2.008291721343994 - moving ave loss 2.205753742053749
Finish 480 epoch(es)
step 481 - loss 1.9706960916519165 - moving ave loss 2.182247977013566
Finish 481 epoch(es)
step 482 - loss 2.023613214492798 - moving ave loss 2.166384500761489
Finish 482 epoch(es)
step 483 - loss 2.2739758491516113 - moving ave loss 2.177143635600501
Finish 483 epoch(es)
step 484 - loss 1.9811779260635376 - moving ave loss 2.157547064646805
Finish 484 epoch(es)
step 485 - loss 1.9408363103866577 - moving ave loss 2.13587598922079
Finish 485 epoch(es)
step 486 - loss 1.9939991235733032 - moving ave loss 2.1216883026560414
Finish 486 epoch(es)
step 487 - loss 1.9560577869415283 - moving ave loss 2.10512525108459
Finish 487 epoch(es)
step 488 - loss 2.014481544494629 - moving ave loss 2.0960608804255942
Finish 488 epoch(es)
step 489 - loss 2.1011109352111816 - moving ave loss 2.096565885904153
Finish 489 epoch(es)
step 490 - loss 1.9585752487182617 - moving ave loss 2.082766822185564
Finish 490 epoch(es)
step 491 - loss 1.975488305091858 - moving ave loss 2.0720389704761932
Finish 491 epoch(es)
step 492 - loss 1.854551911354065 - moving ave loss 2.0502902645639804
Finish 492 epoch(es)

step 493 - loss 2.144958972930908 - moving ave loss 2.059757135400673
Finish 493 epoch(es)
step 494 - loss 1.7890794277191162 - moving ave loss 2.0326893646325175
Finish 494 epoch(es)
step 495 - loss 2.026033878326416 - moving ave loss 2.0320238160019075
Finish 495 epoch(es)
step 496 - loss 2.028343439102173 - moving ave loss 2.0316557783119342
Finish 496 epoch(es)
step 497 - loss 1.7606887817382812 - moving ave loss 2.004559078654569
Finish 497 epoch(es)
step 498 - loss 1.8501434326171875 - moving ave loss 1.989117514050831
Finish 498 epoch(es)
step 499 - loss 1.804260492324829 - moving ave loss 1.9706318118782309
Finish 499 epoch(es)
step 500 - loss 1.943817377090454 - moving ave loss 1.9679503683994533
Finish 500 epoch(es)
Checkpoint at step 500
Training finished, exit.