```
val(:,:,1,1) =
   -0.0937
             -0.0784
                         0.0186
                                  -0.0913
                                             -0.0607
   -0.0234
             -0.0696
                         0.0144
                                   0.0763
                                              0.0822
   -0.0957
             0.0206
                         0.0521
                                  -0.0178
                                             -0.0263
             -0.0371
                        -0.0625
                                   0.1027
                                              0.0770
   -0.0923
                         0.0446
   -0.0538
             -0.0122
                                   0.0563
                                              0.0171
val(:,:,2,1) =
             -0.0665
    0.0210
                         0.0888
                                  -0.0271
                                              0.0900
   -0.0139
             -0.0624
                        -0.1003
                                  -0.0963
                                              0.0431
   -0.0879
             0.0215
                        -0.0473
                                  -0.0137
                                             -0.0473
   -0.0718
             0.0507
                        -0.0180
                                   0.0223
                                             -0.0593
   0.0945
             -0.0119
                         0.0120
                                   0.0278
                                              0.0617
val(:,:,3,1) =
   -0.0809
              0.0995
                        -0.0859
                                  -0.0022
                                              0.0614
   -0.0389
              0.0628
                        -0.0218
                                  -0.0947
                                             -0.0084
    0.0266
             -0.0642
                        -0.0952
                                   0.0798
                                             -0.0200
    0.0691
                        0.0842
                                             -0.0165
             0.0233
                                   0.0607
    0.0401
             -0.1002
                        -0.0313
                                   0.0930
                                              0.0398
val(:,:,1,2) =
   -0.0520
              0.0308
                        -0.0031
                                             -0.0943
                                   0.0883
   -0.0101
              0.0042
                        -0.0932
                                  -0.0595
                                              0.0082
   0.0471
              0.0845
                         0.0378
                                  -0.0962
                                              0.0094
    0.0962
              0.0435
                         0.0144
                                  -0.0962
                                             -0.0090
   -0.0357
             -0.0435
                         0.0644
                                  -0.0425
                                              0.0668
```

MATLAB Variable: trainedNetwork_1.Layers(2, 1).WeightBage 2
Dec 18, 2022 2:52:24 AM

-0.0540 -0.0774 0.0671 -0.0472 0.0039	0.0460 -0.0763 0.0310 -0.0159 -0.0119	-0.0953 -0.0917 -0.0961 0.0202 -0.0556	0.0001 -0.0316 -0.0434 0.0106 0.0986	-0.0024 0.0147 0.0163 -0.0812 0.0445
val(:,:,3,2)	=			
-0.0269 -0.0468 -0.0352 -0.0016 0.0530	-0.1007 0.0155 -0.0025 0.0631 -0.0543	0.0060 -0.0598 -0.0211 -0.0839 0.0101	0.0775 -0.0643 -0.0861 0.0029 0.0255	-0.0430 0.0957 -0.0211 -0.0133 -0.0815
val(:,:,1,3)	=			
-0.0522 -0.0130 0.0195 0.0003 -0.0222	-0.0127 -0.0398 -0.0626 -0.0999 0.0700	-0.0322 0.0374 -0.0946 0.0155 0.0492	0.0957 0.0203 0.0168 -0.0311 -0.0080	-0.0466 0.0621 0.0598 0.0951 -0.0405
val(:,:,2,3)	=			
0.1018 -0.0109	-0.0927 0.0600 -0.0723 -0.0217 0.0706	-0.0578 0.0039 -0.0278 0.0192 -0.0505	-0.0063 0.0984 0.0201 0.0914 0.0438	
val(:,:,3,3)	=			
-0.0026 -0.0193	0.0544	0.0918 -0.0845	0.0212 0.0992	0.0235 -0.0257

```
MATLAB Variable: trainedNetwork 1.Layers(2, 1).WeightBage 3
                                                    2:52:24 AM
 Dec 18, 2022
   -0.0476
              0.0253
                         0.0226
                                   0.0657
                                             -0.0893
             -0.0869
   -0.1024
                         0.0679
                                   0.1016
                                             -0.0448
              0.0868
                         0.0920
   0.0590
                                  -0.0948
                                             -0.0400
val(:,:,1,4) =
    0.0493
             -0.0938
                        -0.0085
                                  -0.0881
                                             -0.0001
                        -0.0979
    0.0645
              0.0163
                                  -0.0032
                                             -0.0192
   -0.0399
              0.0737
                         0.0769
                                   0.0228
                                              0.0264
   -0.0880
              0.0581
                        -0.0023
                                  -0.0364
                                             -0.0106
             -0.0470
                        -0.0473
   -0.0852
                                   0.0560
                                              0.0087
val(:,:,2,4) =
   -0.0251
              0.0201
                        -0.0490
                                  -0.0447
                                             -0.0329
   0.0346
              0.0044
                         0.0311
                                  -0.0518
                                             -0.0696
                        -0.0178
    0.0754
             -0.0218
                                  -0.0127
                                             -0.0620
   -0.0368
             0.0935
                        -0.0916
                                  -0.0493
                                             -0.0895
                                   0.0771
    0.0493
             -0.0464
                        -0.0506
                                             -0.0369
val(:,:,3,4) =
                                   0.0395
   -0.0118
             -0.0810
                        -0.0332
                                             -0.0191
    0.0206
              0.1008
                        -0.0627
                                  -0.0861
                                              0.0689
   -0.0065
             -0.0337
                        -0.0186
                                   0.0732
                                              0.0342
   -0.0468
             0.0911
                        -0.0992
                                  -0.0643
                                             -0.0861
   -0.0521
                        -0.0129
             -0.0719
                                   0.0872
                                              0.0984
val(:,:,1,5) =
   -0.0269
             -0.0718
                        -0.0442
                                   0.0634
                                              0.0165
    0.0178
              0.0064
                        -0.0875
                                  -0.0451
                                              0.0274
   -0.0456
              0.0146
                         0.0371
                                   0.0699
                                              0.0883
                        -0.0907
                                             -0.0638
   -0.0220
             -0.0727
                                   0.0540
    0.0362
             -0.0382
                         0.0336
                                   0.0792
                                              0.0123
```

```
val(:,:,2,5) =
   -0.0712
             -0.0475
                        -0.0182
                                  -0.0987
                                              0.0733
   -0.0714
             -0.0238
                         0.0254
                                             -0.0396
                                   0.0181
   -0.0690
             -0.0776
                         0.0272
                                   0.0191
                                             -0.0804
                                             -0.0253
                        -0.0160
                                   0.0029
   0.0383
             0.0929
                         0.0467
   -0.0250
             -0.0303
                                   0.0076
                                              0.0775
val(:,:,3,5) =
    0.0657
              0.0375
                         0.0589
                                  -0.0873
                                             -0.0351
    0.0448
              0.0327
                         0.0083
                                   0.0709
                                              0.0676
   -0.0995
              0.0345
                        -0.0688
                                              0.0456
                                  -0.0695
    0.1012
             -0.1012
                        0.0234
                                  -0.0967
                                             -0.0018
    0.0259
              0.0091
                        -0.1042
                                   0.0009
                                             -0.0750
val(:,:,1,6) =
   -0.0380
              0.0249
                         0.0569
                                  -0.0219
                                             -0.0028
   0.0191
             -0.0279
                         0.0086
                                   0.0417
                                             -0.0775
    0.0617
              0.0763
                        -0.0210
                                  -0.0056
                                              0.0725
                        -0.0050
   -0.1006
             -0.0319
                                  -0.0374
                                              0.0602
   -0.0201
              0.0718
                        -0.0109
                                  -0.0313
                                             -0.0200
val(:,:,2,6) =
             -0.0497
                         0.0478
                                             -0.0986
   -0.0423
                                  -0.1012
    0.0712
             -0.0725
                         0.0177
                                  -0.0620
                                              0.0829
   -0.0407
             -0.0353
                         0.0636
                                   0.0656
                                              0.0182
    0.0137
             -0.0878
                        -0.0527
                                  -0.0610
                                             -0.0391
    0.0924
             0.0132
                         0.0374
                                  -0.0080
                                             -0.0972
```

MATLAB Variable: trainedNetwork_1.Layers(2, 1).Weight age 5 Dec 18, 2022 2:52:24 AM

0.0157 -0.0782 -0.0924 0.0948	-0.0871 0.0207 -0.0069 0.0295	-0.0241 0.0102 -0.0822 -0.0874	-0.0161 0.0878 0.0612 0.0666	0.0734 -0.0695 -0.0491 0.0975
-0.0676	0.0505	0.0431	0.0842	0.0973
val(:,:,1,7)	=			
0.0479 0.0402 -0.0574 0.0384 0.0636	-0.0972 -0.0547 0.0960 0.0488 0.0507	-0.0809 -0.0812 0.0310 -0.0048 0.0200	0.0395 0.0674 -0.0913 0.0447 -0.0183	0.0052 0.0365 0.0053 0.0645 -0.0109
val(:,:,2,7)	=			
0.0507 -0.0152 -0.0429 0.0555 0.0700	0.0728 -0.0736 -0.0861 -0.0754 -0.0511	-0.0454 0.0620 -0.0075 0.0104 0.0053	0.0741 0.0419 0.0994 0.0858 0.0837	-0.0801 -0.0425 0.0222 -0.0682 -0.0182
val(:,:,3,7)	=			
0.0152 0.0513 -0.0990 0.0314 0.0103	-0.0077 -0.0610 -0.0111 -0.0364 0.0633	0.0122 0.0133 -0.0034 -0.0585 0.0851	-0.0841 -0.0782 -0.0298 -0.0984 -0.0665	-0.0706 0.0055 -0.0773 -0.0490 0.0013
val(:,:,1,8)	=			
-0.0108	-0.0822	0.0475	-0.0979	0.0688

```
MATLAB Variable: trainedNetwork 1.Layers(2, 1).WeightBage 6
                                                    2:52:24 AM
 Dec 18, 2022
    0.0949
              0.0692
                        -0.0196
                                  -0.0661
                                             -0.1015
    0.0222
              0.0693
                         0.0927
                                              0.0812
                                  -0.0037
    0.0685
              0.0120
                        -0.0325
                                             -0.0481
                                   0.0718
val(:,:,2,8) =
   -0.0746
             0.0341
                        -0.0095
                                   0.0901
                                             -0.1011
   -0.0469
             -0.0775
                        -0.0739
                                   0.0949
                                              0.0595
   -0.0909
             -0.0459
                        -0.0251
                                             -0.0594
                                   0.0020
   -0.0978
             -0.0740
                         0.0716
                                   0.0134
                                             -0.0817
                        -0.0703
                                  -0.0304
                                             -0.0717
   0.0877
             0.0717
val(:,:,3,8) =
    0.0857
              0.0342
                                              0.0874
                         0.0520
                                  -0.0404
   -0.0428
              0.0040
                        -0.0745
                                   0.0716
                                              0.0682
                        -0.0262
   -0.0734
              0.0408
                                   0.0291
                                              0.0722
    0.0249
              0.0071
                         0.0776
                                  -0.0022
                                             -0.0421
    0.0098
              0.0708
                         0.0799
                                  -0.0903
                                              0.0837
val(:,:,1,9) =
   -0.0635
             -0.0895
                        -0.0127
                                   0.0386
                                             -0.0698
    0.0286
              0.0026
                        -0.0179
                                   0.0910
                                             -0.1041
   -0.1012
              0.0509
                        0.0983
                                   0.0278
                                             -0.0653
    0.0213
              0.0738
                        -0.0071
                                   0.0592
                                             -0.0325
    0.0407
                        -0.0400
                                             -0.0759
             -0.0173
                                   0.0613
val(:,:,2,9) =
    0.0749
              0.0699
                         0.0201
                                   0.0405
                                             -0.0914
   -0.0872
             -0.0758
                         0.0591
                                   0.0679
                                             -0.0901
                                             -0.0609
    0.0075
             -0.0593
                         0.0669
                                  -0.0668
                        -0.0832
   -0.0137
             -0.0402
                                  -0.0238
                                              0.0624
    0.0070
              0.0391
                         0.0676
                                  -0.1045
                                              0.0358
```

```
val(:,:,3,9) =
    0.0198
              0.0963
                        -0.0220
                                  -0.0059
                                             -0.0235
   -0.0516
                                   0.0707
              0.0882
                        0.0075
                                              0.0391
   -0.0920
             -0.0516
                        -0.0424
                                   0.0110
                                              0.0712
    0.0425
                         0.0813
                                   0.0360
                                             -0.0397
             -0.0084
                        -0.0089
    0.0934
             -0.0472
                                   0.0569
                                             -0.0965
val(:,:,1,10) =
             -0.0479
    0.0848
                         0.0957
                                   0.0174
                                              0.0167
   -0.0966
             0.0225
                         0.0451
                                  -0.0191
                                             -0.0569
    0.0794
             -0.0109
                                              0.0309
                        -0.0956
                                  -0.0972
    0.0785
             -0.0479
                         0.0350
                                  -0.0724
                                             -0.0283
   -0.0377
             0.0592
                        -0.0376
                                  -0.0951
                                              0.0210
val(:,:,2,10) =
   -0.0359
             -0.0914
                         0.0522
                                   0.0259
                                             -0.0965
   -0.0950
              0.0213
                         0.0556
                                  -0.0703
                                             -0.0533
   -0.0210
             -0.0374
                        -0.0482
                                  -0.0940
                                              0.0320
    0.0114
             0.0759
                        -0.0031
                                  0.0354
                                              0.0882
                                  -0.1019
    0.0397
              0.0093
                        -0.0509
                                              0.0407
val(:,:,3,10) =
             -0.0167
                                   0.0121
    0.0441
                        -0.0823
                                              0.0883
   -0.0432
                                   0.0164
             -0.0976
                        -0.0686
                                             -0.0823
    0.0546
             -0.0407
                        -0.0323
                                   0.0232
                                              0.0831
   -0.0770
             -0.0551
                        -0.0143
                                   0.0521
                                              0.0843
    0.0402
              0.0288
                        -0.0430
                                   0.0184
                                              0.0359
```

MATLAB Variable: trainedNetwork_1.Layers(2, 1).WeightBage 8
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0.0862 0.0011 0.0835 0.0017 -0.0475	-0.0622 0.0125 0.0789 -0.0666 -0.0622	0.0685 -0.0093 -0.0796 -0.0159 -0.0358	-0.0095 -0.0970 0.0997 -0.0007 -0.0850	-0.0571 0.0965 -0.0332 0.0375 -0.0484
val(:,:,2,1	1) =			
0.0286 -0.0114 0.0552 0.0301 -0.0296	-0.0545 -0.0976 -0.1014 0.0552 0.0461	-0.0421 -0.0385 -0.0968 -0.0178 -0.0387	-0.0686 0.0427 0.0445 -0.0871 0.0224	-0.0017 0.0306 -0.0850 -0.0499 0.0353
val(:,:,3,1	1) =			
0.1004 -0.0572 -0.0944 0.0881 -0.0170	-0.0796 0.0543 0.0894 0.0074 0.0855	0.0817 0.0134 -0.0303 0.0948 0.0044	0.0436 0.0598 0.0350 0.0342 0.0016	-0.0719 -0.0390 -0.0762 0.0069 0.0705
val(:,:,1,12	2) =			
-0.0282 -0.0933 0.0438 -0.0925 -0.0969	-0.0168 0.0954 -0.0535 0.0029 0.0365	-0.0913 0.0727 -0.0316 0.0691 0.0249	-0.1026 -0.0918 -0.0140 0.0735 -0.0382	-0.1024 0.0674 -0.0264 0.0441 -0.0031
val(:,:,2,12	2) =			
-0.0446	0.0157	-0.0860	0.0178	-0.0960

0.0083 0.0300 0.0283 -0.0855 0.0807

```
MATLAB Variable: trainedNetwork 1.Layers(2, 1).WeightBage 9
                                                    2:52:24 AM
 Dec 18, 2022
    0.0019
             -0.0684
                        -0.0061
                                  -0.0500
                                             -0.0869
    0.0958
             -0.0004
                        -0.0444
                                  -0.0197
                                              0.0296
                        0.0730
    0.1021
             -0.0959
                                             -0.0083
                                  -0.0136
val(:,:,3,12) =
             -0.0545
   -0.0338
                         0.0192
                                   0.0839
                                             -0.0693
   -0.0818
              0.1027
                         0.0579
                                   0.0054
                                             -0.0821
    0.0454
              0.0375
                         0.0114
                                  -0.0367
                                             -0.0707
   0.0279
              0.0719
                         0.0148
                                   0.0903
                                              0.0889
                        -0.0419
                                  -0.0461
   -0.0915
             -0.0823
                                              0.0561
val(:,:,1,13) =
   -0.0724
             -0.0472
                        -0.0157
                                   0.0323
                                             -0.0938
   0.0439
              0.0723
                        -0.0607
                                  -0.0113
                                              0.0947
    0.0760
             -0.0390
                        -0.0490
                                   0.0634
                                             -0.0685
   -0.0654
             -0.0662
                        0.0789
                                  -0.0701
                                             -0.0962
   -0.0731
              0.0805
                         0.0719
                                   0.0071
                                             -0.0746
val(:,:,2,13) =
    0.0322
             -0.0015
                         0.0232
                                   0.0961
                                              0.0380
   -0.0046
                         0.0621
              0.0900
                                   0.0670
                                              0.0463
                         0.0596
    0.0999
              0.0618
                                   0.0002
                                              0.0838
    0.0290
              0.0042
                         0.0601
                                  -0.0483
                                              0.0435
             -0.0440
                        -0.0460
                                              0.0594
    0.0235
                                   0.0918
val(:,:,3,13) =
    0.0420
             -0.0926
                        -0.0968
                                   0.0546
                                              0.0666
    0.0454
             -0.0275
                         0.0738
                                   0.1001
                                             -0.0823
    0.0089
             0.0367
                        -0.0221
                                   0.0888
                                              0.0161
   -0.0492
                                             -0.0999
              0.0412
                         0.0610
                                  -0.0642
    0.0530
             -0.0532
                        -0.0740
                                   0.0401
                                              0.0098
```

```
val(:,:,1,14) =
   -0.0886
              0.0461
                        -0.0896
                                   0.0725
                                              0.1047
   -0.0358
                        -0.0046
              0.0786
                                  -0.0200
                                              0.0639
    0.0144
              0.0834
                         0.0116
                                   0.0376
                                             -0.0383
   -0.0901
              0.0157
                        -0.0209
                                  -0.0382
                                              0.0330
                                              0.1016
    0.0419
              0.0705
                        -0.0471
                                   0.0208
val(:,:,2,14) =
              0.0146
   -0.0612
                        -0.0422
                                   0.0336
                                             -0.0228
   0.0719
             -0.0488
                        -0.0590
                                  -0.0699
                                             -0.0157
    0.0559
                        -0.0654
                                             -0.0560
             -0.0490
                                   0.0925
   -0.0086
             -0.0051
                        -0.0550
                                  -0.0014
                                             -0.0748
   -0.0423
             0.0978
                        -0.0351
                                   0.0060
                                             -0.0755
val(:,:,3,14) =
    0.0917
             -0.0310
                        -0.0687
                                   0.0084
                                             -0.0993
    0.0800
              0.0332
                        -0.0626
                                   0.0713
                                             -0.0286
    0.0655
             -0.0545
                        -0.0185
                                  -0.0916
                                              0.0633
                        -0.0663
   -0.0974
             0.0945
                                   0.0354
                                              0.0549
                         0.0772
    0.0973
             -0.0121
                                  -0.0092
                                             -0.0210
val(:,:,1,15) =
   -0.0951
              0.0664
                        -0.0840
                                   0.0385
                                              0.0777
   -0.0617
              0.0485
                         0.0508
                                   0.0484
                                             -0.0705
   -0.0224
             -0.0974
                        -0.0735
                                  -0.0568
                                              0.0623
   0.0967
              0.0695
                        -0.0169
                                   0.0470
                                              0.0289
   -0.0578
              0.0973
                        -0.0549
                                   0.0994
                                              0.0164
```

MATLAB Variable: trainedNetwork_1.Layers(2, 1).WeighPage 11 Dec 18, 2022 2:52:24 AM

0.0708 0.0532 -0.0344 0.0194 0.0802	0.0518 0.0873 -0.0674 -0.0581 -0.0010	-0.0670 0.0248 0.0379 -0.0489 -0.0408	-0.0419 -0.0760 -0.0970 0.0875 0.0263	-0.0056 -0.0712 -0.0219 -0.0485 0.0209
val(:,:,3,15	5) =			
-0.0781 0.0692 0.0778 -0.0291 -0.0357	-0.0063 -0.0445 0.0483 0.0768 -0.0471	-0.0326 -0.0055 -0.0484 -0.0308 -0.0900	-0.0527 0.0628 0.0505 0.0605 0.0319	0.0524 -0.0954 -0.0518 0.0811 0.0263
val(:,:,1,16	6) =			
-0.0616 -0.0012 -0.0162 -0.0199 -0.0590	0.0872 0.0438 0.0923 -0.0157 0.0436	0.0577 -0.0388 0.0611 0.0214 -0.0752	-0.0124 -0.0156 -0.0654 0.0456 -0.0209	0.0378 -0.0371 -0.0935 0.0853 -0.0551
val(:,:,2,16	ố) =			
0.0941 0.0617 -0.0181 -0.0404 -0.0810	-0.1008 0.0447 -0.0210 0.0101 0.0610	0.0030 0.0867 -0.0487 0.0475 0.0197	0.0151 -0.0078 -0.0999 0.0426 0.0583	0.0705 0.0217 0.0343 0.0844 -0.0078
val(:,:,3,16	ố) =			
0.0306	-0.0789	0.0672	0.0310	-0.0198

-0.0938 0.0118 -0.0689 -0.0786 -0.0519

```
MATLAB Variable: trainedNetwork 1.Layers(2, 1).Weigh₽age 12
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   -0.0730
              0.0004
                         0.0633
                                  -0.0801
                                             -0.0946
             -0.0995
    0.0121
                         0.0185
                                  -0.0598
                                             -0.0188
   -0.0593
              0.0888
                        -0.0902
                                             -0.0658
                                   0.0824
val(:,:,1,17) =
    0.0624
              0.0165
                        -0.0532
                                  -0.0265
                                              0.1047
    0.0652
              0.1077
                        -0.0445
                                   0.0423
                                             -0.0464
    0.0595
             -0.0591
                         0.0131
                                   0.0337
                                              0.0954
   -0.0838
             -0.0165
                         0.0459
                                  -0.0400
                                             -0.0711
                         0.0135
    0.1057
             -0.0821
                                  -0.0380
                                              0.0532
val(:,:,2,17) =
    0.0847
             -0.0614
                         0.0341
                                   0.0912
                                              0.0262
   -0.0282
              0.1056
                        -0.0716
                                   0.0413
                                             -0.0375
   -0.0360
             -0.0564
                         0.0016
                                   0.0011
                                             -0.0471
   -0.0082
              0.0561
                         0.0927
                                   0.0310
                                             -0.0570
    0.0966
              0.0866
                        -0.0811
                                  -0.0608
                                             -0.0866
val(:,:,3,17) =
   -0.0919
              0.0910
                         0.0186
                                   0.0715
                                             -0.0694
    0.0986
             -0.0380
                         0.0318
                                  -0.0168
                                             -0.0645
    0.0403
              0.0144
                        -0.0284
                                  -0.0977
                                              0.0222
   -0.0686
             -0.0066
                         0.0067
                                  -0.0413
                                              0.0303
                                              0.0574
    0.0364
              0.0480
                        -0.0778
                                   0.0202
val(:,:,1,18) =
    0.0255
              0.0996
                        -0.0444
                                   0.0977
                                              0.0914
    0.0284
              0.0762
                         0.0321
                                  -0.0520
                                             -0.0927
   -0.0079
                        -0.0424
             -0.0520
                                  -0.0546
                                              0.0471
                                             -0.0305
   -0.0134
              0.0244
                         0.0261
                                  -0.0636
    0.0800
             -0.0618
                         0.0890
                                  -0.0943
                                             -0.0178
```

```
val(:,:,2,18) =
    0.0913
             -0.0814
                         0.0772
                                  -0.0911
                                             0.0538
    0.0769
             -0.0679
                                   0.0261
                                            -0.0728
                         0.0926
   -0.0540
             -0.0535
                         0.0518
                                   0.0021
                                            -0.0261
             0.0547
                       -0.0658
                                  -0.0647
                                            -0.0265
   -0.0655
                         0.0697
   0.0029
             0.0612
                                   0.0209
                                             0.0155
val(:,:,3,18) =
   -0.0988
              0.0135
                         0.0958
                                  -0.0902
                                            -0.0837
    0.0914
             -0.0793
                         0.0314
                                  0.0628
                                             0.0288
    0.0564
                                             0.0677
             -0.0606
                        -0.0028
                                  -0.0494
   -0.0974
             -0.0559
                        0.0758
                                  -0.0339
                                            -0.0994
    0.0658
             0.0208
                         0.0384
                                  -0.0276
                                             0.0499
val(:,:,1,19) =
    0.0564
             -0.0403
                         0.0376
                                  -0.0765
                                             0.0940
    0.0796
             0.0422
                       -0.0349
                                  -0.0767
                                             0.0507
   -0.0205
             -0.1010
                         0.0186
                                  0.0524
                                            -0.0586
                        -0.0228
   -0.0778
             -0.0860
                                  -0.0264
                                            -0.0327
                                   0.0942
   -0.0648
              0.0086
                       -0.0091
                                            -0.0263
val(:,:,2,19) =
             -0.0125
                                            -0.0184
    0.0802
                        -0.0031
                                  -0.0413
   -0.0926
             0.0202
                       -0.0506
                                  -0.0421
                                             0.0434
   -0.0169
             -0.0588
                       0.0222
                                  -0.0965
                                            -0.0608
   -0.0348
             -0.0520
                        0.0439
                                  -0.0389
                                            -0.0194
   0.0085
             -0.0229
                       -0.0051
                                  0.0653
                                            -0.0413
```

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-0.0270	0.0122	0.0902	-0.0934	-0.0047
-0.0890	0.0219	0.0024	-0.0329	-0.0138
-0.0430	0.0710	-0.0809	0.0461	-0.0779
0.0366	-0.0659	0.0400	0.0345	0.0451
-0.0848	-0.0241	0.0566	0.0422	0.0369
val(:,:,1,20)) =			
-0.0170	0.0103	-0.0942	0.0059	-0.0746
0.0059	-0.0406	-0.0964	-0.0954	-0.1081
0.0247	0.0284	-0.0506	-0.1047	-0.0963
-0.0347	0.0086	-0.1201	-0.0270	-0.0024
-0.0130	-0.0997	-0.1292	-0.1055	0.0553
val(:,:,2,20)) =			
0.0639	-0.0023	-0.0951	-0.0625	-0.0967
-0.1139	-0.0626	-0.0283	-0.0156	0.0349
-0.1147	-0.1196	-0.0166	-0.0208	-0.0779
-0.0162	-0.0796	0.0309	-0.0053	-0.0733
0.0017	0.0431	0.0667	0.0089	-0.1012
val(:,:,3,20)) =			
-0.0460	0.0420	0.0592	-0.0673	-0.0505
-0.0730	0.0296	-0.0432	0.0695	-0.0606
-0.0551	0.0602	-0.0733	0.0682	0.0423
-0.0780	0.0514	0.0055	-0.0054	-0.0718
-0.1133	-0.1001	0.0084	-0.0070	0.0469