

episode: 51200 Evaluation Average Reward: 915.9618479091896
episode: 51300 Evaluation Average Reward: 979.5469111277198
episode: 51400 Evaluation Average Reward: 985.6478693449511
episode: 51500 Evaluation Average Reward: 946.498637957496
episode: 51600 Evaluation Average Reward: 1002.3708711128963
episode: 51700 Evaluation Average Reward: 915.6258756060349
episode: 51800 Evaluation Average Reward: 981.5329045048996
episode: 51900 Evaluation Average Reward: 901.1904539019064
episode: 52000 Evaluation Average Reward: 742.771228868438
episode: 52100 Evaluation Average Reward: 959.017024164497
episode: 52200 Evaluation Average Reward: 992.9537180241152
episode: 52300 Evaluation Average Reward: 811.9826982233296
episode: 52400 Evaluation Average Reward: 990.46095809561
episode: 52500 Evaluation Average Reward: 971.7896479257945
episode: 52600 Evaluation Average Reward: 968.561916493694
episode: 52700 Evaluation Average Reward: 987.4063021149575
episode: 52800 Evaluation Average Reward: 938.2970794335497
episode: 52900 Evaluation Average Reward: 1006.0783944347556
episode: 53000 Evaluation Average Reward: 665.9688045335182
episode: 53100 Evaluation Average Reward: 929.4996775913714
episode: 53200 Evaluation Average Reward: 937.3833281779246
episode: 53300 Evaluation Average Reward: 156.54332385950758
episode: 53400 Evaluation Average Reward: 984.8155162670673
episode: 53500 Evaluation Average Reward: 992.6985256985693
episode: 53600 Evaluation Average Reward: 970.9819591883463
episode: 53700 Evaluation Average Reward: 989.591017005305
episode: 53800 Evaluation Average Reward: 991.5513428503187
episode: 53900 Evaluation Average Reward: 818.7451414041559
episode: 54000 Evaluation Average Reward: 985.2796095012976
episode: 54100 Evaluation Average Reward: 934.4965155544211
episode: 54200 Evaluation Average Reward: 957.5906006232633
episode: 54300 Evaluation Average Reward: 887.5409362174398
episode: 54400 Evaluation Average Reward: 996.3687847793884
episode: 54500 Evaluation Average Reward: 1002.6463777844892
episode: 54600 Evaluation Average Reward: 990.0391995923371
episode: 54700 Evaluation Average Reward: 959.1574710859186
episode: 54800 Evaluation Average Reward: 1010.6659391208008
episode: 54900 Evaluation Average Reward: 955.7567232549032
episode: 55000 Evaluation Average Reward: 909.448285949132
episode: 55100 Evaluation Average Reward: 905.0265433115532
episode: 55200 Evaluation Average Reward: 752.8426659708136
episode: 55300 Evaluation Average Reward: 851.7452573720341
episode: 55400 Evaluation Average Reward: 973.7256707667369
episode: 55500 Evaluation Average Reward: 965.617090738307
episode: 55600 Evaluation Average Reward: 942.6386860679559
episode: 55700 Evaluation Average Reward: 948.7408284010647
episode: 55800 Evaluation Average Reward: 963.53044330218
episode: 55900 Evaluation Average Reward: 884.55522601462
episode: 56000 Evaluation Average Reward: 854.9896332213135
episode: 56100 Evaluation Average Reward: 887.1916126681693
episode: 56200 Evaluation Average Reward: 860.3681920512524
episode: 56300 Evaluation Average Reward: 942.6789366745872
episode: 56400 Evaluation Average Reward: 690.7672797176148
episode: 56500 Evaluation Average Reward: 969.389726463836
episode: 56600 Evaluation Average Reward: 846.6876042581938
episode: 56700 Evaluation Average Reward: 950.7777097575378
episode: 56800 Evaluation Average Reward: 912.0452014580563
episode: 56900 Evaluation Average Reward: 537.0089035179195
episode: 57000 Evaluation Average Reward: 975.7983555570139

episode: 57100 Evaluation Average Reward: 900.0451437528161
episode: 57200 Evaluation Average Reward: 652.1990472429651
episode: 57300 Evaluation Average Reward: 980.1414321314687
episode: 57400 Evaluation Average Reward: 997.2679218949631
episode: 57500 Evaluation Average Reward: 900.7180776479227
episode: 57600 Evaluation Average Reward: 946.9239107083031
episode: 57700 Evaluation Average Reward: 983.9885506909543
episode: 57800 Evaluation Average Reward: 939.4286268208505
episode: 57900 Evaluation Average Reward: 901.6824343994347
episode: 58000 Evaluation Average Reward: 914.530371350118
episode: 58100 Evaluation Average Reward: 1002.7126329585211
episode: 58200 Evaluation Average Reward: 670.8541675914448
episode: 58300 Evaluation Average Reward: 905.7937728143752
episode: 58400 Evaluation Average Reward: 823.7744756774676
episode: 58500 Evaluation Average Reward: 997.2307723375519
episode: 58600 Evaluation Average Reward: 1011.2486116075113
episode: 58700 Evaluation Average Reward: 967.1977667324834
episode: 58800 Evaluation Average Reward: 1004.4776650398198
episode: 58900 Evaluation Average Reward: 979.7538989964436
episode: 59000 Evaluation Average Reward: 1008.9509441132889
episode: 59100 Evaluation Average Reward: 1008.5448586474422
episode: 59200 Evaluation Average Reward: 971.1696016420316
episode: 59300 Evaluation Average Reward: 1011.5000340822237
episode: 59400 Evaluation Average Reward: 833.1240857278735
episode: 59500 Evaluation Average Reward: 908.888632343234
episode: 59600 Evaluation Average Reward: 986.3362638882933
episode: 59700 Evaluation Average Reward: 1008.9901065371796
episode: 59800 Evaluation Average Reward: 980.0629882930801
episode: 59900 Evaluation Average Reward: 1013.1572370601167
episode: 60000 Evaluation Average Reward: 993.4398158582624
episode: 60100 Evaluation Average Reward: 1010.3132724819027
episode: 60200 Evaluation Average Reward: 1004.7649841801601
episode: 60300 Evaluation Average Reward: 996.8465122936493
episode: 60400 Evaluation Average Reward: 1000.8390714819077
episode: 60500 Evaluation Average Reward: 1013.0375622240314
episode: 60600 Evaluation Average Reward: 1007.6863609917949
episode: 60700 Evaluation Average Reward: 974.414593335801
episode: 60800 Evaluation Average Reward: 871.737306294526
episode: 60900 Evaluation Average Reward: 1002.0570660354912
episode: 61000 Evaluation Average Reward: 962.8541380933291
episode: 61100 Evaluation Average Reward: 1010.6992032551425
episode: 61200 Evaluation Average Reward: 968.1567008529988
episode: 61300 Evaluation Average Reward: 982.656148542749
episode: 61400 Evaluation Average Reward: 981.1653272102592
episode: 61500 Evaluation Average Reward: 918.6926252262067
episode: 61600 Evaluation Average Reward: 948.583113105626
episode: 61700 Evaluation Average Reward: 936.7671928197569
episode: 61800 Evaluation Average Reward: 935.639801933283
episode: 61900 Evaluation Average Reward: 971.5818597373367
episode: 62000 Evaluation Average Reward: 938.3982676419413
episode: 62100 Evaluation Average Reward: 959.7903336611398
episode: 62200 Evaluation Average Reward: 935.2777495621734
episode: 62300 Evaluation Average Reward: 943.5482554869919
episode: 62400 Evaluation Average Reward: 946.7983784560796
episode: 62500 Evaluation Average Reward: 942.656256763286
episode: 62600 Evaluation Average Reward: 999.5397947290627
episode: 62700 Evaluation Average Reward: 996.0783703816545
episode: 62800 Evaluation Average Reward: 949.8254215702603
episode: 62900 Evaluation Average Reward: 930.4589889024119

episode: 63000 Evaluation Average Reward: 938.5085305428742
episode: 63100 Evaluation Average Reward: 940.6311279218044
episode: 63200 Evaluation Average Reward: 950.1109235722555
episode: 63300 Evaluation Average Reward: 927.2939033235422
episode: 63400 Evaluation Average Reward: 928.3904392880953
episode: 63500 Evaluation Average Reward: 948.8640925359056
episode: 63600 Evaluation Average Reward: 919.3448604559144
episode: 63700 Evaluation Average Reward: 960.7911143297027
episode: 63800 Evaluation Average Reward: 940.9741126318868
episode: 63900 Evaluation Average Reward: 955.1041455570606
episode: 64000 Evaluation Average Reward: 865.7445895891333
episode: 64100 Evaluation Average Reward: 909.7587982560883
episode: 64200 Evaluation Average Reward: 951.021119522454
episode: 64300 Evaluation Average Reward: 958.4533952148018
episode: 64400 Evaluation Average Reward: 934.9210525203811
episode: 64500 Evaluation Average Reward: 879.967738326082
episode: 64600 Evaluation Average Reward: 963.9791656295987
episode: 64700 Evaluation Average Reward: 947.271876473025
episode: 64800 Evaluation Average Reward: 965.3971246664453
episode: 64900 Evaluation Average Reward: 940.19479826395
episode: 65000 Evaluation Average Reward: 940.3056305346679
episode: 65100 Evaluation Average Reward: 956.3269233425419
episode: 65200 Evaluation Average Reward: 942.8533442046667
episode: 65300 Evaluation Average Reward: 917.0413967949013
episode: 65400 Evaluation Average Reward: 924.2722949874153
episode: 65500 Evaluation Average Reward: 919.2122827267469
episode: 65600 Evaluation Average Reward: 943.1843678328863
episode: 65700 Evaluation Average Reward: 920.7321420319109
episode: 65800 Evaluation Average Reward: 926.2048453710077
episode: 65900 Evaluation Average Reward: 907.1277768961003
episode: 66000 Evaluation Average Reward: 889.4891458719619
episode: 66100 Evaluation Average Reward: 847.4208184933461
episode: 66200 Evaluation Average Reward: 890.8291380640346
episode: 66300 Evaluation Average Reward: 768.5108783273739
episode: 66400 Evaluation Average Reward: 848.0136779106242
episode: 66500 Evaluation Average Reward: 864.3968935000948
episode: 66600 Evaluation Average Reward: 714.0525300150136
episode: 66700 Evaluation Average Reward: 845.3145261020829
episode: 66800 Evaluation Average Reward: 866.5425235211221
episode: 66900 Evaluation Average Reward: 955.0037038339558
episode: 67000 Evaluation Average Reward: 933.7550100360844
episode: 67100 Evaluation Average Reward: 855.6280937410081
episode: 67200 Evaluation Average Reward: 927.3413080056122
episode: 67300 Evaluation Average Reward: 847.6677501999123
episode: 67400 Evaluation Average Reward: 512.6488141775724
episode: 67500 Evaluation Average Reward: 794.864978748464
episode: 67600 Evaluation Average Reward: 875.9827755198905
episode: 67700 Evaluation Average Reward: 887.2314518788792
episode: 67800 Evaluation Average Reward: 866.5324798155985
episode: 67900 Evaluation Average Reward: 800.0194662805993
episode: 68000 Evaluation Average Reward: 825.2604916263144
episode: 68100 Evaluation Average Reward: 871.023261855508
episode: 68200 Evaluation Average Reward: 754.7555106211732
episode: 68300 Evaluation Average Reward: 834.9794969605134
episode: 68400 Evaluation Average Reward: 808.7172790900044
episode: 68500 Evaluation Average Reward: 723.5745163215636
episode: 68600 Evaluation Average Reward: 841.2310451194404
episode: 68700 Evaluation Average Reward: 899.9330791753579
episode: 68800 Evaluation Average Reward: 774.8768401187044

episode: 68900 Evaluation Average Reward: 748.4446425229778
episode: 69000 Evaluation Average Reward: 928.1999412485463
episode: 69100 Evaluation Average Reward: 787.1804196714525
episode: 69200 Evaluation Average Reward: 785.2411661464714
episode: 69300 Evaluation Average Reward: 821.4342083062423
episode: 69400 Evaluation Average Reward: 942.8052540335104
episode: 69500 Evaluation Average Reward: 817.2843670127962
episode: 69600 Evaluation Average Reward: 848.6318467905055
episode: 69700 Evaluation Average Reward: 904.8061216520542
episode: 69800 Evaluation Average Reward: 810.4708529091403
episode: 69900 Evaluation Average Reward: 736.2529230196334
episode: 70000 Evaluation Average Reward: 907.067562637875
episode: 70100 Evaluation Average Reward: 919.2269086274603
episode: 70200 Evaluation Average Reward: 914.7213018488507
episode: 70300 Evaluation Average Reward: 765.3004658061257
episode: 70400 Evaluation Average Reward: 909.4828009980231
episode: 70500 Evaluation Average Reward: 925.9958319139523
episode: 70600 Evaluation Average Reward: 918.5536198344104
episode: 70700 Evaluation Average Reward: 909.2068269172647
episode: 70800 Evaluation Average Reward: 933.2237643387795
episode: 70900 Evaluation Average Reward: 790.965566752134
episode: 71000 Evaluation Average Reward: 913.2185644393616
episode: 71100 Evaluation Average Reward: 850.1604392907702
episode: 71200 Evaluation Average Reward: 911.1210652887961
episode: 71300 Evaluation Average Reward: 871.6505695598023
episode: 71400 Evaluation Average Reward: 949.2573628630641
episode: 71500 Evaluation Average Reward: 908.7607458310667
episode: 71600 Evaluation Average Reward: 929.1940664838227
episode: 71700 Evaluation Average Reward: 875.2359185699758
episode: 71800 Evaluation Average Reward: 931.9135954257156
episode: 71900 Evaluation Average Reward: 938.9340085013291
episode: 72000 Evaluation Average Reward: 896.6327588693896
episode: 72100 Evaluation Average Reward: 921.5648055451629
episode: 72200 Evaluation Average Reward: 932.074773998975
episode: 72300 Evaluation Average Reward: 774.9366545699802
episode: 72400 Evaluation Average Reward: 752.2306587577874
episode: 72500 Evaluation Average Reward: 896.7037480006262
episode: 72600 Evaluation Average Reward: 913.2158812520183
episode: 72700 Evaluation Average Reward: 914.4532261134493
episode: 72800 Evaluation Average Reward: 911.8455989243217
episode: 72900 Evaluation Average Reward: 907.3978751937715
episode: 73000 Evaluation Average Reward: 948.7259132850935
episode: 73100 Evaluation Average Reward: 924.9944764533835
episode: 73200 Evaluation Average Reward: 925.50553753076
episode: 73300 Evaluation Average Reward: 940.6437957694191
episode: 73400 Evaluation Average Reward: 945.0930883218628
episode: 73500 Evaluation Average Reward: 930.6424497793048
episode: 73600 Evaluation Average Reward: 948.2608687568352
episode: 73700 Evaluation Average Reward: 899.0116792859169
episode: 73800 Evaluation Average Reward: 915.4520882612896
episode: 73900 Evaluation Average Reward: 907.1389641371837
episode: 74000 Evaluation Average Reward: 913.8624048262627
episode: 74100 Evaluation Average Reward: 1011.4399194327668
episode: 74200 Evaluation Average Reward: 951.8822447074251
episode: 74300 Evaluation Average Reward: 928.0555410342095
episode: 74400 Evaluation Average Reward: 936.6627234378745
episode: 74500 Evaluation Average Reward: 925.2157447925171
episode: 74600 Evaluation Average Reward: 872.039356609485
episode: 74700 Evaluation Average Reward: 943.3515149721164

episode: 74800 Evaluation Average Reward: 960.3103181850445
episode: 74900 Evaluation Average Reward: 943.0755568170205
episode: 75000 Evaluation Average Reward: 923.1429238981124
episode: 75100 Evaluation Average Reward: 951.1253116067983
episode: 75200 Evaluation Average Reward: 919.1959272509459
episode: 75300 Evaluation Average Reward: 919.8728387624836
episode: 75400 Evaluation Average Reward: 932.591779917079
episode: 75500 Evaluation Average Reward: 898.5902685559889
episode: 75600 Evaluation Average Reward: 889.8773543549202
episode: 75700 Evaluation Average Reward: 933.7104260258127
episode: 75800 Evaluation Average Reward: 942.4298576299605
episode: 75900 Evaluation Average Reward: 939.7847130368152
episode: 76000 Evaluation Average Reward: 950.7671275056546
episode: 76100 Evaluation Average Reward: 937.5294202902103
episode: 76200 Evaluation Average Reward: 921.8057350867994
episode: 76300 Evaluation Average Reward: 989.200134724256
episode: 76400 Evaluation Average Reward: 946.292418764178
episode: 76500 Evaluation Average Reward: 871.3373003047606
episode: 76600 Evaluation Average Reward: 785.2244247752366
episode: 76700 Evaluation Average Reward: 974.687555134079
episode: 76800 Evaluation Average Reward: 946.1259034792256
episode: 76900 Evaluation Average Reward: 944.9646021648254
episode: 77000 Evaluation Average Reward: 862.3598444596598
episode: 77100 Evaluation Average Reward: 944.3963971875694
episode: 77200 Evaluation Average Reward: 999.5239426362408
episode: 77300 Evaluation Average Reward: 927.6599929837319
episode: 77400 Evaluation Average Reward: 923.0327356388474
episode: 77500 Evaluation Average Reward: 884.7855852336179
episode: 77600 Evaluation Average Reward: 732.2928745737506
episode: 77700 Evaluation Average Reward: 932.6726714670052
episode: 77800 Evaluation Average Reward: 914.9608172052342
episode: 77900 Evaluation Average Reward: 923.003402879468
episode: 78000 Evaluation Average Reward: 854.6652541238931
episode: 78100 Evaluation Average Reward: 940.3981545027852
episode: 78200 Evaluation Average Reward: 975.0757265432773
episode: 78300 Evaluation Average Reward: 751.4667927534314
episode: 78400 Evaluation Average Reward: 917.1213870690274
episode: 78500 Evaluation Average Reward: 900.1596122494977
episode: 78600 Evaluation Average Reward: 921.8650738949448
episode: 78700 Evaluation Average Reward: 942.3200681198235
episode: 78800 Evaluation Average Reward: 649.1149398567261
episode: 78900 Evaluation Average Reward: 777.8979720646382
episode: 79000 Evaluation Average Reward: 706.806661249178
episode: 79100 Evaluation Average Reward: 760.3961680900835
episode: 79200 Evaluation Average Reward: 1012.1852978797884
episode: 79300 Evaluation Average Reward: 886.6186253439803
episode: 79400 Evaluation Average Reward: 905.4802633913848
episode: 79500 Evaluation Average Reward: 826.9170198066722
episode: 79600 Evaluation Average Reward: 547.8555816680841
episode: 79700 Evaluation Average Reward: 767.6098304899097
episode: 79800 Evaluation Average Reward: 480.3996382007091
episode: 79900 Evaluation Average Reward: 507.37871483511447
episode: 80000 Evaluation Average Reward: 524.9624144325278
episode: 80100 Evaluation Average Reward: 929.580045232464
episode: 80200 Evaluation Average Reward: 920.240923830793
episode: 80300 Evaluation Average Reward: 947.6659804678897
episode: 80400 Evaluation Average Reward: 736.9195626374171
episode: 80500 Evaluation Average Reward: 655.6408774261723
episode: 80600 Evaluation Average Reward: 729.3191164188613

episode: 80700 Evaluation Average Reward: 940.5279319126063
episode: 80800 Evaluation Average Reward: 567.6242586667934
episode: 80900 Evaluation Average Reward: 842.6051305287878
episode: 81000 Evaluation Average Reward: 875.0960498517622
episode: 81100 Evaluation Average Reward: 869.9631305251463
episode: 81200 Evaluation Average Reward: 723.0018907897885
episode: 81300 Evaluation Average Reward: 986.1231897724431
episode: 81400 Evaluation Average Reward: 963.4652022220031
episode: 81500 Evaluation Average Reward: 863.2798425906224
episode: 81600 Evaluation Average Reward: 868.878439517394
episode: 81700 Evaluation Average Reward: 1000.4225002537654
episode: 81800 Evaluation Average Reward: 1006.7152080936658
episode: 81900 Evaluation Average Reward: 919.2611110737195
episode: 82000 Evaluation Average Reward: 974.295043682497
episode: 82100 Evaluation Average Reward: 978.430295375378
episode: 82200 Evaluation Average Reward: 1005.5958030998743
episode: 82300 Evaluation Average Reward: 859.7189529181333
episode: 82400 Evaluation Average Reward: 815.1953096190807
episode: 82500 Evaluation Average Reward: 995.060816370827
episode: 82600 Evaluation Average Reward: 825.2790926751471
episode: 82700 Evaluation Average Reward: 1013.3820834263552
episode: 82800 Evaluation Average Reward: 827.8196786777704
episode: 82900 Evaluation Average Reward: 1007.699245475874
episode: 83000 Evaluation Average Reward: 1012.181373349002
episode: 83100 Evaluation Average Reward: 804.4652468853194
episode: 83200 Evaluation Average Reward: 980.6912258749769
episode: 83300 Evaluation Average Reward: 775.4040414570143
episode: 83400 Evaluation Average Reward: 1013.6140724107966
episode: 83500 Evaluation Average Reward: 910.0422909929175
episode: 83600 Evaluation Average Reward: 834.0145307671179
episode: 83700 Evaluation Average Reward: 997.8829816714073
episode: 83800 Evaluation Average Reward: 852.2133711070021
episode: 83900 Evaluation Average Reward: 516.5809938347026
episode: 84000 Evaluation Average Reward: 723.6062808894686
episode: 84100 Evaluation Average Reward: 584.3345277173449
episode: 84200 Evaluation Average Reward: 919.1908981250351
episode: 84300 Evaluation Average Reward: 856.4106033205007
episode: 84400 Evaluation Average Reward: 993.4304977123078
episode: 84500 Evaluation Average Reward: 991.4831825285822
episode: 84600 Evaluation Average Reward: 1000.9474705734667
episode: 84700 Evaluation Average Reward: 819.427541681562
episode: 84800 Evaluation Average Reward: 1012.8611942686712
episode: 84900 Evaluation Average Reward: 828.8050626024287
episode: 85000 Evaluation Average Reward: 1011.6162992336001
episode: 85100 Evaluation Average Reward: 995.3002610631904
episode: 85200 Evaluation Average Reward: 803.3968074579263
episode: 85300 Evaluation Average Reward: 946.839703406821
episode: 85400 Evaluation Average Reward: 1014.6145693214082
episode: 85500 Evaluation Average Reward: 835.652026845959
episode: 85600 Evaluation Average Reward: 818.5420016896214
episode: 85700 Evaluation Average Reward: 823.2980038960968
episode: 85800 Evaluation Average Reward: 822.9493740151705
episode: 85900 Evaluation Average Reward: 820.4894207491072
episode: 86000 Evaluation Average Reward: 816.1112704006395
episode: 86100 Evaluation Average Reward: 810.8520646911309
episode: 86200 Evaluation Average Reward: 826.0541319897224
episode: 86300 Evaluation Average Reward: 822.2252100049329
episode: 86400 Evaluation Average Reward: 822.926282012103
episode: 86500 Evaluation Average Reward: 820.7908049951935

episode: 86600 Evaluation Average Reward: 1010.9636506284262
episode: 86700 Evaluation Average Reward: 1007.5130393789552
episode: 86800 Evaluation Average Reward: 806.3599059656792
episode: 86900 Evaluation Average Reward: 812.4362745026398
episode: 87000 Evaluation Average Reward: 822.8681733841511
episode: 87100 Evaluation Average Reward: 815.7484719128911
episode: 87200 Evaluation Average Reward: 850.348415816086
episode: 87300 Evaluation Average Reward: 1013.985532833173
episode: 87400 Evaluation Average Reward: 1013.8576228110408
episode: 87500 Evaluation Average Reward: 1014.4982647352748
episode: 87600 Evaluation Average Reward: 822.0916039974696
episode: 87700 Evaluation Average Reward: 1012.2698640758772
episode: 87800 Evaluation Average Reward: 1007.7149850155523
episode: 87900 Evaluation Average Reward: 791.901948440013
episode: 88000 Evaluation Average Reward: 812.9781308673889
episode: 88100 Evaluation Average Reward: 1013.5955817307907
episode: 88200 Evaluation Average Reward: 1006.0475809506094
episode: 88300 Evaluation Average Reward: 1010.8662743768986
episode: 88400 Evaluation Average Reward: 1013.0595862220732
episode: 88500 Evaluation Average Reward: 814.8313396192386
episode: 88600 Evaluation Average Reward: 1013.4814867561532
episode: 88700 Evaluation Average Reward: 1014.8126240615304
episode: 88800 Evaluation Average Reward: 1014.5860095143395
episode: 88900 Evaluation Average Reward: 1009.7435261046812
episode: 89000 Evaluation Average Reward: 1009.5056111322232
episode: 89100 Evaluation Average Reward: 1007.9597744435926
episode: 89200 Evaluation Average Reward: 1005.9604883269973
episode: 89300 Evaluation Average Reward: 985.3971681452592
episode: 89400 Evaluation Average Reward: 1015.5751461831287
episode: 89500 Evaluation Average Reward: 1014.5940283954633
episode: 89600 Evaluation Average Reward: 1013.0992995990242
episode: 89700 Evaluation Average Reward: 1009.3728080750392
episode: 89800 Evaluation Average Reward: 1013.5485138616232
episode: 89900 Evaluation Average Reward: 1014.6544036237945
episode: 90000 Evaluation Average Reward: 823.893783518503
episode: 90100 Evaluation Average Reward: 1014.0877833730823
episode: 90200 Evaluation Average Reward: 1012.5549592856516
episode: 90300 Evaluation Average Reward: 982.6831859908749
episode: 90400 Evaluation Average Reward: 1005.7140689869386
episode: 90500 Evaluation Average Reward: 1011.1510853161119
episode: 90600 Evaluation Average Reward: 823.0595671214112
episode: 90700 Evaluation Average Reward: 826.3204751099247
episode: 90800 Evaluation Average Reward: 1015.3151338165857
episode: 90900 Evaluation Average Reward: 1010.2967526638304
episode: 91000 Evaluation Average Reward: 1014.3272603727513
episode: 91100 Evaluation Average Reward: 1004.5441469481821
episode: 91200 Evaluation Average Reward: 1012.7088916426941
episode: 91300 Evaluation Average Reward: 1010.37370794698
episode: 91400 Evaluation Average Reward: 989.4145512422172
episode: 91500 Evaluation Average Reward: 797.9486649047711
episode: 91600 Evaluation Average Reward: 855.7996997365781
episode: 91700 Evaluation Average Reward: 882.3695623601916
episode: 91800 Evaluation Average Reward: 1014.5270155299955
episode: 91900 Evaluation Average Reward: 1014.1987114284244
episode: 92000 Evaluation Average Reward: 1015.193382157899
episode: 92100 Evaluation Average Reward: 1009.449944811814
episode: 92200 Evaluation Average Reward: 1005.1220720248087
episode: 92300 Evaluation Average Reward: 1013.1989665757962
episode: 92400 Evaluation Average Reward: 951.3850510840033

episode: 92500 Evaluation Average Reward: 787.5068089741492
episode: 92600 Evaluation Average Reward: 992.8555968384426
episode: 92700 Evaluation Average Reward: 823.7438618424969
episode: 92800 Evaluation Average Reward: 1012.2127023143515
episode: 92900 Evaluation Average Reward: 945.1348159825627
episode: 93000 Evaluation Average Reward: 1013.525485461216
episode: 93100 Evaluation Average Reward: 892.4968095495584
episode: 93200 Evaluation Average Reward: 1011.9263741461875
episode: 93300 Evaluation Average Reward: 1014.1549868086098
episode: 93400 Evaluation Average Reward: 810.789365174541
episode: 93500 Evaluation Average Reward: 1011.8381702999444
episode: 93600 Evaluation Average Reward: 969.4282437645752
episode: 93700 Evaluation Average Reward: 1014.1960669234937
episode: 93800 Evaluation Average Reward: 1014.7184834880878
episode: 93900 Evaluation Average Reward: 1014.0333449679223
episode: 94000 Evaluation Average Reward: 1013.5725398831734
episode: 94100 Evaluation Average Reward: 829.8996949058453
episode: 94200 Evaluation Average Reward: 1014.4425207047146
episode: 94300 Evaluation Average Reward: 809.4147087381734
episode: 94400 Evaluation Average Reward: 1012.078574775478
episode: 94500 Evaluation Average Reward: 817.5077184833484
episode: 94600 Evaluation Average Reward: 817.5355024312912
episode: 94700 Evaluation Average Reward: 1005.0503121298085
episode: 94800 Evaluation Average Reward: 793.1840840994482
episode: 94900 Evaluation Average Reward: 1010.6333430045745
episode: 95000 Evaluation Average Reward: 814.6996146146855
episode: 95100 Evaluation Average Reward: 820.0997862433153
episode: 95200 Evaluation Average Reward: 793.6353931146889
episode: 95300 Evaluation Average Reward: 825.5843175639814
episode: 95400 Evaluation Average Reward: 941.3521669979716
episode: 95500 Evaluation Average Reward: 815.9803201028769
episode: 95600 Evaluation Average Reward: 1010.2390731180001
episode: 95700 Evaluation Average Reward: 829.2893930167813
episode: 95800 Evaluation Average Reward: 1014.4007154012955
episode: 95900 Evaluation Average Reward: 826.793961502194
episode: 96000 Evaluation Average Reward: 1009.621657403329
episode: 96100 Evaluation Average Reward: 1010.685763925818
episode: 96200 Evaluation Average Reward: 1012.397397554177
episode: 96300 Evaluation Average Reward: 813.3463220949111
episode: 96400 Evaluation Average Reward: 820.5001104954375
episode: 96500 Evaluation Average Reward: 799.3092816199859
episode: 96600 Evaluation Average Reward: 995.7406924449399
episode: 96700 Evaluation Average Reward: 827.3405568889639
episode: 96800 Evaluation Average Reward: 995.1253965137754
episode: 96900 Evaluation Average Reward: 758.8704417394038
episode: 97000 Evaluation Average Reward: 819.3219193457253
episode: 97100 Evaluation Average Reward: 797.3001037976329
episode: 97200 Evaluation Average Reward: 808.9582880210489
episode: 97300 Evaluation Average Reward: 799.5709076642787
episode: 97400 Evaluation Average Reward: 817.6365761621287
episode: 97500 Evaluation Average Reward: 730.8872582981741
episode: 97600 Evaluation Average Reward: 650.6118158828305
episode: 97700 Evaluation Average Reward: 796.2716757482541
episode: 97800 Evaluation Average Reward: 374.8399131879962
episode: 97900 Evaluation Average Reward: 811.8405370406773
episode: 98000 Evaluation Average Reward: 795.7484971283712
episode: 98100 Evaluation Average Reward: 822.5413050034143
episode: 98200 Evaluation Average Reward: 809.977646199778
episode: 98300 Evaluation Average Reward: 784.5305208878156


```
episode: 98400 Evaluation Average Reward: 823.944340611844
episode: 98500 Evaluation Average Reward: 824.1147011749039
episode: 98600 Evaluation Average Reward: 816.1281841622286
episode: 98700 Evaluation Average Reward: 804.5945850445952
episode: 98800 Evaluation Average Reward: 816.7610011696186
episode: 98900 Evaluation Average Reward: 811.8327433710801
episode: 99000 Evaluation Average Reward: 822.0640779157122
episode: 99100 Evaluation Average Reward: 814.341465911002
episode: 99200 Evaluation Average Reward: 882.3520891079568
episode: 99300 Evaluation Average Reward: 784.3272153590515
episode: 99400 Evaluation Average Reward: 804.5874916987726
episode: 99500 Evaluation Average Reward: 911.5072101307384
episode: 99600 Evaluation Average Reward: 734.0837992064884
episode: 99700 Evaluation Average Reward: 789.1233016928585
episode: 99800 Evaluation Average Reward: 781.4674039465323
episode: 99900 Evaluation Average Reward: 805.6061355050208
Traceback (most recent call last):
```

```
File "/home/oai/project_codes/DDPG/gym_ddpg.py", line 45, in <module>
    main()
```

```
File "/home/oai/project_codes/DDPG/gym_ddpg.py", line 42, in main
    env=wrappers.Monitor.close()
```

```
TypeError: close() missing 1 required positional argument: 'self'
```

```
In [2]:
```