Designated Priority: 1

Q-values before update: [[0.97250193 1.0073968 ]]

Q-values after update: [[0.96799123 1.0049738 ]]

Designated Priority: 1

Q-values before update: [[0.9691602 1.0054127]]

Q-values after update: [[0.96523094 1.0041952 ]]

Designated Priority: 1

Q-values before update: [[0.96577173 1.0030856 ]]

Q-values after update: [[0.96253884 1.0034198 ]]

Designated Priority: 1

Q-values before update: [[0.960212 0.99134994]]

Q-values after update: [[0.9583245 0.9948544]]

Designated Priority: 1

Q-values before update: [[0.9557541 0.9807562]]

Q-values after update: [[0.95605195 0.98922324]]

Designated Priority: 3

Q-values before update: [[0.95178664 0.9737259 ]]

Q-values after update: [[0.95828927 0.99439377]]

Episode 77 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [ 0.14976732 1.9589839 -0.22854702 -2.9980547 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[0.9624324 1.0257033]]

Q-values after update: [[0.9630438 1.0326585]]

Designated Priority: 1

Q-values before update: [[0.9628446 1.0340639]]

Q-values after update: [[0.963532 1.040354]]

Designated Priority: 1

Q-values before update: [[0.9633631 1.0419933]]

Q-values after update: [[0.9640907 1.0476311]]

Designated Priority: 1

Q-values before update: [[0.96456933 1.050265 ]]

Q-values after update: [[0.9652178 1.0550258]]

Designated Priority: 1

Q-values before update: [[0.96628284 1.0586989 ]]

Q-values after update: [[0.9667256 1.0623838]]

Designated Priority: 1

Q-values before update: [[0.96939975 1.0671761 ]]

Q-values after update: [[0.9722526 1.0719359]]

Designated Priority: 1

Q-values before update: [[0.97287905 1.0726004 ]]

Q-values after update: [[0.9746643 1.0749121]]

Designated Priority: 1

Q-values before update: [[0.9783229 1.0810426]]

Q-values after update: [[0.97938097 1.0814705 ]]

Designated Priority: 3

Q-values before update: [[0.9821793 1.0866625]]

Q-values after update: [[0.987618 1.0897284]]

Episode 78 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [ 0.09185012 0.9648694 -0.22146733 -1.7427465 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[0.969305 1.050322]]

Q-values after update: [[0.97321415 1.0511913 ]]

Designated Priority: 1

Q-values before update: [[0.9708047 1.0468686]]

Q-values after update: [[0.97369814 1.0459119 ]]

Designated Priority: 1

Q-values before update: [[0.9759513 1.0500946]]

Q-values after update: [[0.97833645 1.0479896 ]]

Designated Priority: 1

Q-values before update: [[0.98131 1.0529745]]

Q-values after update: [[0.98321795 1.0498726 ]]

Designated Priority: 1

Q-values before update: [[0.9863627 1.0555298]]

Q-values after update: [[0.9888505 1.0531092]]

Designated Priority: 1

Q-values before update: [[0.9872328 1.0493327]]

Q-values after update: [[0.98889923 1.045711 ]]

Designated Priority: 1

Q-values before update: [[0.99208486 1.0515816 ]]

Q-values after update: [[0.99336153 1.0472178 ]]

Designated Priority: 1

Q-values before update: [[0.99665534 1.0532998 ]]

Q-values after update: [[0.9975202 1.0483228]]

Designated Priority: 1

Q-values before update: [[1.0013113 1.0550355]]

Q-values after update: [[1.0017754 1.0495572]]

Designated Priority: 1

Q-values before update: [[1.0064241 1.0568844]]

Q-values after update: [[1.0065017 1.0510168]]

Designated Priority: 1

Q-values before update: [[1.0127366 1.0591431]]

Q-values after update: [[1.0124723 1.0530121]]

Designated Priority: 1

Q-values before update: [[1.018243 1.0605266]]

Q-values after update: [[1.0177685 1.0543975]]

Designated Priority: 3

Q-values before update: [[1.021948 1.0598404]]

Q-values after update: [[1.0112263 1.0326746]]

Episode 79 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [ 0.14000055 1.8035268 -0.24868774 -2.8854253 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[0.983875 0.99520206]]

Q-values after update: [[0.980888 0.9823252]]

Designated Priority: 1

Q-values before update: [[0.98291945 0.9855211 ]]

Q-values after update: [[0.9799073 0.97399044]]

Designated Priority: 1

Q-values before update: [[0.98185277 0.9767333 ]]

Q-values after update: [[0.9792572 0.96592116]]

Designated Priority: 1

Q-values before update: [[0.97917676 0.965546 ]]

Q-values after update: [[0.9777889 0.9566871]]

Designated Priority: 1

Q-values before update: [[0.9774945 0.9561347]]

Q-values after update: [[0.977502 0.9490031]]

Designated Priority: 1

Q-values before update: [[0.97705626 0.94848025]]

Q-values after update: [[0.9778091 0.9439574]]

Designated Priority: 1

Q-values before update: [[0.97720647 0.94375813]]

Q-values after update: [[0.9785373 0.9396113]]

Designated Priority: 1

Q-values before update: [[0.97873753 0.93994856]]

Q-values after update: [[0.9814743 0.9369947]]

Designated Priority: 1

Q-values before update: [[0.9814676 0.9372586]]

Q-values after update: [[0.9857534 0.93545425]]

Designated Priority: 1

Q-values before update: [[0.9855654 0.93564343]]

Q-values after update: [[0.99151284 0.9349735 ]]

Designated Priority: 1

Q-values before update: [[0.98888195 0.9405435 ]]

Q-values after update: [[0.99667025 0.9409953 ]]

Designated Priority: 1

Q-values before update: [[0.9939953 0.95099443]]

Q-values after update: [[1.0040765 0.95270467]]

Designated Priority: 1

Q-values before update: [[1.0010878 0.96445554]]

Q-values after update: [[1.0138509 0.9676398]]

Designated Priority: 1

Q-values before update: [[1.0110582 0.9797791]]

Q-values after update: [[1.0269222 0.98467886]]

Designated Priority: 1

Q-values before update: [[1.0258629 0.9982443]]

Q-values after update: [[1.0444449 1.0046086]]

Designated Priority: 1

Q-values before update: [[1.0432335 1.0196848]]

Q-values after update: [[1.0634353 1.0311644]]

Designated Priority: 3

Q-values before update: [[1.0575012 1.0140667]]

Q-values after update: [[1.0733273 1.0199996]]

Episode 80 out of total 100, Total Reward: 17.0, Epsilon: 0.75, Current State: [-0.2214799 -1.3241235 0.22618586 2.0302384 ], Steps Taken: 17

Designated Priority: 1

Q-values before update: [[1.0549898 0.9363854]]

Q-values after update: [[1.062877 0.93761635]]

Designated Priority: 1

Q-values before update: [[1.0692937 0.94328034]]

Q-values after update: [[1.0756302 0.9443768]]

Designated Priority: 1

Q-values before update: [[1.0818486 0.950027 ]]

Q-values after update: [[1.086574 0.9508835]]

Designated Priority: 1

Q-values before update: [[1.0928389 0.95787084]]

Q-values after update: [[1.09608 0.95839614]]

Designated Priority: 1

Q-values before update: [[1.1015749 0.9742 ]]

Q-values after update: [[1.1031952 0.97427976]]

Designated Priority: 1

Q-values before update: [[1.1079638 0.9921841]]

Q-values after update: [[1.1079566 0.99174476]]

Designated Priority: 1

Q-values before update: [[1.1125371 1.0097616]]

Q-values after update: [[1.1136446 1.0116919]]

Designated Priority: 1

Q-values before update: [[1.1045507 0.99259675]]

Q-values after update: [[1.1038549 0.9934995]]

Designated Priority: 3

Q-values before update: [[1.1092103 1.0127618]]

Q-values after update: [[1.0840783 1.0026649]]

Episode 81 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.10963928 -1.418997 0.21773586 2.232652 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0554038 0.9307852]]

Q-values after update: [[1.0394857 0.9257529]]

Designated Priority: 1

Q-values before update: [[1.0455394 0.931695 ]]

Q-values after update: [[1.0311456 0.92854416]]

Designated Priority: 1

Q-values before update: [[1.0258436 0.92300427]]

Q-values after update: [[1.0133438 0.9205215]]

Designated Priority: 1

Q-values before update: [[1.0177662 0.925371 ]]

Q-values after update: [[1.0059813 0.92269075]]

Designated Priority: 1

Q-values before update: [[1.0091827 0.9266288]]

Q-values after update: [[0.9986216 0.9239937]]

Designated Priority: 1

Q-values before update: [[1.0007199 0.92707884]]

Q-values after update: [[0.99186915 0.92473936]]

Designated Priority: 1

Q-values before update: [[0.98992395 0.9381974 ]]

Q-values after update: [[0.9830743 0.93650115]]

Designated Priority: 1

Q-values before update: [[0.98039293 0.9500607 ]]

Q-values after update: [[0.97647685 0.9493394 ]]

Designated Priority: 1

Q-values before update: [[0.97441244 0.9637142 ]]

Q-values after update: [[0.9742269 0.9644282]]

Designated Priority: 1

Q-values before update: [[0.97454387 0.98095477]]

Q-values after update: [[0.97591907 0.98561746]]

Designated Priority: 3

Q-values before update: [[0.97346294 0.96986246]]

Q-values after update: [[0.97937536 0.975932 ]]

Episode 82 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.14744096 -1.3336912 0.22735462 2.2340846 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[0.98330724 0.92373943]]

Q-values after update: [[0.98741555 0.92731225]]

Designated Priority: 1

Q-values before update: [[0.9899597 0.93121755]]

Q-values after update: [[0.99476326 0.93498397]]

Designated Priority: 1

Q-values before update: [[0.9969691 0.93865883]]

Q-values after update: [[1.0025277 0.9426429]]

Designated Priority: 1

Q-values before update: [[1.0044279 0.9461012]]

Q-values after update: [[1.0104972 0.9523386]]

Designated Priority: 1

Q-values before update: [[1.0058105 0.9464123]]

Q-values after update: [[1.0118989 0.95209813]]

Designated Priority: 1

Q-values before update: [[1.0144553 0.95621395]]

Q-values after update: [[1.0211277 0.96197003]]

Designated Priority: 1

Q-values before update: [[1.0207477 0.97759545]]

Q-values after update: [[1.0278158 0.9853401]]

Designated Priority: 1

Q-values before update: [[1.0242441 0.9675658]]

Q-values after update: [[1.031093 0.97646666]]

Designated Priority: 1

Q-values before update: [[1.026225 0.96818984]]

Q-values after update: [[1.0326493 0.97594553]]

Designated Priority: 1

Q-values before update: [[1.0358751 0.9854998]]

Q-values after update: [[1.0424235 0.99322647]]

Designated Priority: 1

Q-values before update: [[1.0440483 1.0121572]]

Q-values after update: [[1.0509076 1.0198088]]

Designated Priority: 1

Q-values before update: [[1.0537218 1.0398917]]

Q-values after update: [[1.0608761 1.0474594]]

Designated Priority: 3

Q-values before update: [[1.0681491 1.0709674]]

Q-values after update: [[1.0676577 1.0599624]]

Episode 83 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [-0.17601335 -0.94291914 0.2270463 1.7082077 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[1.0552208 0.98688334]]

Q-values after update: [[1.0555142 0.98115563]]

Designated Priority: 1

Q-values before update: [[1.0601271 0.98719037]]

Q-values after update: [[1.0603054 0.982088 ]]

Designated Priority: 1

Q-values before update: [[1.0547311 0.97550625]]

Q-values after update: [[1.0538144 0.9708156]]

Designated Priority: 1

Q-values before update: [[1.0581142 0.9762565]]

Q-values after update: [[1.0560288 0.9713849]]

Designated Priority: 1

Q-values before update: [[1.0595702 0.9760541]]

Q-values after update: [[1.0566812 0.9711182]]

Designated Priority: 1

Q-values before update: [[1.0595001 0.9750513]]

Q-values after update: [[1.0561997 0.9701752]]

Designated Priority: 1

Q-values before update: [[1.0559872 0.9810115]]

Q-values after update: [[1.05282 0.9760965]]

Designated Priority: 1

Q-values before update: [[1.052158 0.9898896]]

Q-values after update: [[1.0499289 0.9871706]]

Designated Priority: 1

Q-values before update: [[1.0454801 0.96989536]]

Q-values after update: [[1.0438466 0.9677104]]

Designated Priority: 1

Q-values before update: [[1.0431166 0.98156464]]

Q-values after update: [[1.0423483 0.9797646]]

Designated Priority: 1

Q-values before update: [[1.0411664 0.99341124]]

Q-values after update: [[1.0415651 0.99441457]]

Designated Priority: 1

Q-values before update: [[1.0368793 0.97788405]]

Q-values after update: [[1.0383263 0.97921634]]

Designated Priority: 1

Q-values before update: [[1.0407524 0.99551463]]

Q-values after update: [[1.0436106 0.9974114]]

Designated Priority: 3

Q-values before update: [[1.0439465 1.0137762]]

Q-values after update: [[1.0364647 1.0107062]]

Episode 84 out of total 100, Total Reward: 14.0, Epsilon: 0.75, Current State: [-0.15686658 -1.5615551 0.25028968 2.527814 ], Steps Taken: 14

Designated Priority: 1

Q-values before update: [[1.0364741 0.9491911]]

Q-values after update: [[1.0319346 0.9481957]]

Designated Priority: 1

Q-values before update: [[1.0352678 0.9522166]]

Q-values after update: [[1.0314021 0.95246565]]

Designated Priority: 1

Q-values before update: [[1.0276182 0.94802445]]

Q-values after update: [[1.0237362 0.9481832]]

Designated Priority: 1

Q-values before update: [[1.0267041 0.9519156]]

Q-values after update: [[1.0234783 0.9532677]]

Designated Priority: 1

Q-values before update: [[1.0200783 0.9490932]]

Q-values after update: [[1.0178494 0.9520687]]

Designated Priority: 1

Q-values before update: [[1.0151266 0.9482819]]

Q-values after update: [[1.012821 0.9509006]]

Designated Priority: 1

Q-values before update: [[1.0160918 0.9551777]]

Q-values after update: [[1.0143762 0.95896506]]

Designated Priority: 1

Q-values before update: [[1.0118439 0.9552816]]

Q-values after update: [[1.0100496 0.9586391]]

Designated Priority: 1

Q-values before update: [[1.0130833 0.96280104]]

Q-values after update: [[1.0111511 0.96570265]]

Designated Priority: 1

Q-values before update: [[1.0133468 0.96891034]]

Q-values after update: [[1.0115614 0.9714867]]

Designated Priority: 1

Q-values before update: [[1.0130672 0.97405857]]

Q-values after update: [[1.0117297 0.97645354]]

Designated Priority: 1

Q-values before update: [[1.0125878 0.9784045]]

Q-values after update: [[1.0117314 0.981699 ]]

Designated Priority: 1

Q-values before update: [[1.0078768 0.97677183]]

Q-values after update: [[1.007626 0.9799121]]

Designated Priority: 1

Q-values before update: [[1.0085427 0.98193496]]

Q-values after update: [[1.009115 0.9850818]]

Designated Priority: 1

Q-values before update: [[1.0054439 0.9965464]]

Q-values after update: [[1.0072039 0.9999 ]]

Designated Priority: 1

Q-values before update: [[1.0041102 1.01245 ]]

Q-values after update: [[1.007628 1.0163286]]

Designated Priority: 1

Q-values before update: [[1.0040885 1.0286596]]

Q-values after update: [[1.0078018 1.0333102]]

Designated Priority: 1

Q-values before update: [[1.0046326 1.0168188]]

Q-values after update: [[1.008266 1.0220058]]

Designated Priority: 3

Q-values before update: [[1.0059875 1.0069644]]

Q-values after update: [[1.0086185 1.0100998]]

Episode 85 out of total 100, Total Reward: 19.0, Epsilon: 0.75, Current State: [-0.10195947 -0.5917548 0.21584615 1.1275084 ], Steps Taken: 19

Designated Priority: 1

Q-values before update: [[1.0207976 0.99843085]]

Q-values after update: [[1.0223172 1.0007043]]

Designated Priority: 1

Q-values before update: [[1.0250866 1.0046799]]

Q-values after update: [[1.0262953 1.0067394]]

Designated Priority: 1

Q-values before update: [[1.0285298 1.0101961]]

Q-values after update: [[1.0296555 1.0121238]]

Designated Priority: 1

Q-values before update: [[1.031376 1.0150665]]

Q-values after update: [[1.0326657 1.0169601]]

Designated Priority: 1

Q-values before update: [[1.0309768 1.0259869]]

Q-values after update: [[1.0328209 1.0280031]]

Designated Priority: 1

Q-values before update: [[1.030598 1.0411183]]

Q-values after update: [[1.0323317 1.0429614]]

Designated Priority: 1

Q-values before update: [[1.0288768 1.0253348]]

Q-values after update: [[1.0310438 1.0271931]]

Designated Priority: 1

Q-values before update: [[1.0290604 1.0407764]]

Q-values after update: [[1.0322757 1.0430424]]

Designated Priority: 1

Q-values before update: [[1.0301454 1.0567809]]

Q-values after update: [[1.0331466 1.0588263]]

Designated Priority: 1

Q-values before update: [[1.0288742 1.0413107]]

Q-values after update: [[1.0315484 1.0433109]]

Designated Priority: 1

Q-values before update: [[1.0281457 1.0271449]]

Q-values after update: [[1.0306699 1.0294847]]

Designated Priority: 3

Q-values before update: [[1.0279206 1.0141776]]

Q-values after update: [[1.0256504 1.0143242]]

Episode 86 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [-0.12773645 -0.76014555 0.2283453 1.392305 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[1.0303291 1.0116124]]

Q-values after update: [[1.0280669 1.0116826]]

Designated Priority: 1

Q-values before update: [[1.0321062 1.0168171]]

Q-values after update: [[1.0297523 1.016768 ]]

Designated Priority: 1

Q-values before update: [[1.0330791 1.0212152]]

Q-values after update: [[1.0309 1.0211475]]

Designated Priority: 1

Q-values before update: [[1.0335462 1.0249212]]

Q-values after update: [[1.0318346 1.0249575]]

Designated Priority: 1

Q-values before update: [[1.0301137 1.0381757]]

Q-values after update: [[1.0284797 1.0381142]]

Designated Priority: 1

Q-values before update: [[1.0257411 1.0213356]]

Q-values after update: [[1.0248855 1.0214982]]

Designated Priority: 1

Q-values before update: [[1.0232235 1.0359608]]

Q-values after update: [[1.0224531 1.0361776]]

Designated Priority: 1

Q-values before update: [[1.0192785 1.0195891]]

Q-values after update: [[1.0187578 1.0203022]]

Designated Priority: 1

Q-values before update: [[1.0150212 1.0112345]]

Q-values after update: [[1.015306 1.0121223]]

Designated Priority: 1

Q-values before update: [[1.0166357 1.0217676]]

Q-values after update: [[1.0171064 1.0232432]]

Designated Priority: 3

Q-values before update: [[1.0138364 1.0124041]]

Q-values after update: [[1.0121582 1.0127919]]

Episode 87 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.12949726 -0.58807415 0.21547772 1.2201648 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.021369 1.0177014]]

Q-values after update: [[1.0199103 1.0178667]]

Designated Priority: 1

Q-values before update: [[1.016159 1.0126079]]

Q-values after update: [[1.0143675 1.0125701]]

Designated Priority: 1

Q-values before update: [[1.01896 1.0185806]]

Q-values after update: [[1.0172454 1.0182514]]

Designated Priority: 1

Q-values before update: [[1.013459 1.0129353]]

Q-values after update: [[1.011486 1.0124705]]

Designated Priority: 1

Q-values before update: [[1.016016 1.0184546]]

Q-values after update: [[1.0141369 1.0177228]]

Designated Priority: 1

Q-values before update: [[1.0103116 1.0123396]]

Q-values after update: [[1.008261 1.0115392]]

Designated Priority: 1

Q-values before update: [[1.0127468 1.0175201]]

Q-values after update: [[1.0108049 1.0165 ]]

Designated Priority: 1

Q-values before update: [[1.006939 1.0110424]]

Q-values after update: [[1.0052443 1.010275 ]]

Designated Priority: 1

Q-values before update: [[1.0013745 1.0044808]]

Q-values after update: [[1.0000343 1.0043261]]

Designated Priority: 1

Q-values before update: [[0.99619776 0.9990376 ]]

Q-values after update: [[0.9953384 0.9998448]]

Designated Priority: 1

Q-values before update: [[0.99202955 0.99514604]]

Q-values after update: [[0.9918077 0.9972575]]

Designated Priority: 1

Q-values before update: [[0.9890155 0.99317527]]

Q-values after update: [[0.9896232 0.9969381]]

Designated Priority: 1

Q-values before update: [[0.9847317 0.98959804]]

Q-values after update: [[0.9865861 0.9958167]]

Designated Priority: 1

Q-values before update: [[0.98197067 0.98430026]]

Q-values after update: [[0.98562294 0.9939483 ]]

Designated Priority: 1

Q-values before update: [[0.98217154 0.9831491 ]]

Q-values after update: [[0.98826957 0.9973034 ]]

Designated Priority: 3

Q-values before update: [[0.9846957 0.9850346]]

Q-values after update: [[0.9940351 1.0051453]]

Episode 88 out of total 100, Total Reward: 16.0, Epsilon: 0.75, Current State: [ 0.22636837 1.9784381 -0.25255057 -3.047901 ], Steps Taken: 16

Designated Priority: 1

Q-values before update: [[1.010794 1.0495183]]

Q-values after update: [[1.0124269 1.0565991]]

Designated Priority: 1

Q-values before update: [[1.0106782 1.0540438]]

Q-values after update: [[1.0121715 1.0596808]]

Designated Priority: 1

Q-values before update: [[1.0108812 1.0577446]]

Q-values after update: [[1.0122459 1.0621396]]

Designated Priority: 1

Q-values before update: [[1.0116372 1.0612631]]

Q-values after update: [[1.012779 1.0644197]]

Designated Priority: 1

Q-values before update: [[1.0131214 1.0647745]]

Q-values after update: [[1.0139642 1.0667204]]

Designated Priority: 1

Q-values before update: [[1.015164 1.0682194]]

Q-values after update: [[1.0156285 1.0689651]]

Designated Priority: 1

Q-values before update: [[1.0180439 1.0715528]]

Q-values after update: [[1.0191828 1.0727781]]

Designated Priority: 1

Q-values before update: [[1.0230556 1.0781171]]

Q-values after update: [[1.0240154 1.079066 ]]

Designated Priority: 1

Q-values before update: [[1.0272864 1.0834517]]

Q-values after update: [[1.0271407 1.0818443]]

Designated Priority: 3

Q-values before update: [[1.0290208 1.0844257]]

Q-values after update: [[1.020295 1.0624822]]

Episode 89 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [ 0.13734737 1.1401083 -0.20947897 -1.9204355 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0100434 1.0482912]]

Q-values after update: [[1.00502 1.0322628]]

Designated Priority: 1

Q-values before update: [[1.0043181 1.0311437]]

Q-values after update: [[0.999215 1.0157561]]

Designated Priority: 1

Q-values before update: [[0.99813926 1.0138768 ]]

Q-values after update: [[0.99322903 0.9998466 ]]

Designated Priority: 1

Q-values before update: [[0.99190915 0.99800134]]

Q-values after update: [[0.9874755 0.9859688]]

Designated Priority: 1

Q-values before update: [[0.9863139 0.9842254]]

Q-values after update: [[0.98306775 0.9735253 ]]

Designated Priority: 1

Q-values before update: [[0.9881129 0.9795611]]

Q-values after update: [[0.9861195 0.9705231]]

Designated Priority: 1

Q-values before update: [[0.99051154 0.9760526 ]]

Q-values after update: [[0.98921 0.9682859]]

Designated Priority: 1

Q-values before update: [[0.9930013 0.9733459]]

Q-values after update: [[0.99226266 0.96666896]]

Designated Priority: 1

Q-values before update: [[0.9955097 0.9712993]]

Q-values after update: [[0.9955975 0.96569216]]

Designated Priority: 1

Q-values before update: [[0.99833345 0.97001004]]

Q-values after update: [[0.9989803 0.9652815]]

Designated Priority: 1

Q-values before update: [[1.0011739 0.9694189]]

Q-values after update: [[1.0025833 0.96557367]]

Designated Priority: 1

Q-values before update: [[1.0045407 0.96951306]]

Q-values after update: [[1.0070391 0.9665939]]

Designated Priority: 1

Q-values before update: [[1.0064613 0.9728672]]

Q-values after update: [[1.0102743 0.97089624]]

Designated Priority: 1

Q-values before update: [[1.0084379 0.98195 ]]

Q-values after update: [[1.0139736 0.9810515]]

Designated Priority: 1

Q-values before update: [[1.0122198 0.9925086]]

Q-values after update: [[1.0199139 0.9929916]]

Designated Priority: 1

Q-values before update: [[1.0174553 1.005333 ]]

Q-values after update: [[1.02781 1.0075011]]

Designated Priority: 1

Q-values before update: [[1.0252181 1.0196126]]

Q-values after update: [[1.0387781 1.0238777]]

Designated Priority: 1

Q-values before update: [[1.0339978 1.0353703]]

Q-values after update: [[1.0518614 1.0422947]]

Designated Priority: 1

Q-values before update: [[1.044557 1.053523]]

Q-values after update: [[1.0630519 1.0643214]]

Designated Priority: 1

Q-values before update: [[1.0516768 1.0413929]]

Q-values after update: [[1.0717245 1.0526878]]

Designated Priority: 3

Q-values before update: [[1.0699295 1.0690172]]

Q-values after update: [[1.07623 1.0501603]]

Episode 90 out of total 100, Total Reward: 21.0, Epsilon: 0.75, Current State: [-0.17141758 -1.7142504 0.25895366 2.476105 ], Steps Taken: 21

Designated Priority: 1

Q-values before update: [[1.052357 0.9388659]]

Q-values after update: [[1.056726 0.9317094]]

Designated Priority: 1

Q-values before update: [[1.0640595 0.93865293]]

Q-values after update: [[1.0668993 0.93161535]]

Designated Priority: 1

Q-values before update: [[1.0734911 0.9377139]]

Q-values after update: [[1.0749092 0.9307792]]

Designated Priority: 1

Q-values before update: [[1.0812285 0.9362849]]

Q-values after update: [[1.0835745 0.93260515]]

Designated Priority: 1

Q-values before update: [[1.0734437 0.92430836]]

Q-values after update: [[1.0743268 0.9206847]]

Designated Priority: 1

Q-values before update: [[1.0811582 0.926076 ]]

Q-values after update: [[1.0811852 0.9219179]]

Designated Priority: 1

Q-values before update: [[1.0861058 0.9321655]]

Q-values after update: [[1.087714 0.9316058]]

Designated Priority: 1

Q-values before update: [[1.0780456 0.917717 ]]

Q-values after update: [[1.0806491 0.92116356]]

Designated Priority: 1

Q-values before update: [[1.0698509 0.9139879]]

Q-values after update: [[1.0711159 0.91665804]]

Designated Priority: 1

Q-values before update: [[1.0792956 0.9226463]]

Q-values after update: [[1.0820905 0.928867 ]]

Designated Priority: 1

Q-values before update: [[1.0713738 0.9208056]]

Q-values after update: [[1.0750806 0.9294925]]

Designated Priority: 1

Q-values before update: [[1.065992 0.9213389]]

Q-values after update: [[1.06838 0.9286532]]

Designated Priority: 3

Q-values before update: [[1.0777332 0.9379933]]

Q-values after update: [[1.0676277 0.9398404]]

Episode 91 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [-0.13581789 -0.6364886 0.2198106 1.312911 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[1.0708865 0.94074816]]

Q-values after update: [[1.0612314 0.9423243]]

Designated Priority: 1

Q-values before update: [[1.0690005 0.94902885]]

Q-values after update: [[1.0606949 0.9518112]]

Designated Priority: 1

Q-values before update: [[1.0515316 0.943954 ]]

Q-values after update: [[1.0431283 0.94606245]]

Designated Priority: 1

Q-values before update: [[1.0507174 0.9528128]]

Q-values after update: [[1.0423189 0.9544138]]

Designated Priority: 1

Q-values before update: [[1.0490787 0.96054006]]

Q-values after update: [[1.0410955 0.9618217]]

Designated Priority: 1

Q-values before update: [[1.0476166 0.96758986]]

Q-values after update: [[1.0403208 0.96868914]]

Designated Priority: 1

Q-values before update: [[1.0461774 0.9742761]]

Q-values after update: [[1.0399333 0.97534204]]

Designated Priority: 1

Q-values before update: [[1.0438704 0.98664224]]

Q-values after update: [[1.0391645 0.9880003]]

Designated Priority: 1

Q-values before update: [[1.042049 0.99966717]]

Q-values after update: [[1.0395392 1.0016433]]

Designated Priority: 1

Q-values before update: [[1.0419309 1.0130455]]

Q-values after update: [[1.0425884 1.0161532]]

Designated Priority: 1

Q-values before update: [[1.039767 1.0249909]]

Q-values after update: [[1.042661 1.0319357]]

Designated Priority: 1

Q-values before update: [[1.0292217 1.0129576]]

Q-values after update: [[1.0355204 1.0208338]]

Designated Priority: 3

Q-values before update: [[1.0331863 1.0315896]]

Q-values after update: [[1.027289 1.0333915]]

Episode 92 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [-0.20404047 -1.7381972 0.25494963 2.7541916 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[1.0019139 0.9644722]]

Q-values after update: [[0.9993683 0.966321 ]]

Designated Priority: 1

Q-values before update: [[1.0071604 0.9739957]]

Q-values after update: [[1.0053624 0.97589064]]

Designated Priority: 1

Q-values before update: [[1.0131085 0.9832592]]

Q-values after update: [[1.0121403 0.98525846]]

Designated Priority: 1

Q-values before update: [[1.0194681 0.99203515]]

Q-values after update: [[1.0193288 0.99421144]]

Designated Priority: 1

Q-values before update: [[1.0263803 1.0035288]]

Q-values after update: [[1.0273595 1.006076 ]]

Designated Priority: 1

Q-values before update: [[1.0317631 1.020161 ]]

Q-values after update: [[1.034219 1.023221]]

Designated Priority: 1

Q-values before update: [[1.0379276 1.0370817]]

Q-values after update: [[1.0423046 1.0409319]]

Designated Priority: 1

Q-values before update: [[1.042056 1.0530295]]

Q-values after update: [[1.0467603 1.0579679]]

Designated Priority: 1

Q-values before update: [[1.0342166 1.0376959]]

Q-values after update: [[1.0389602 1.0435097]]

Designated Priority: 3

Q-values before update: [[1.0268382 1.0245278]]

Q-values after update: [[1.0283358 1.023833 ]]

Episode 93 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.15928492 -0.83369356 0.22806904 1.3981293 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0025963 0.97946775]]

Q-values after update: [[1.0040139 0.97918665]]

Designated Priority: 1

Q-values before update: [[1.0133414 0.98840404]]

Q-values after update: [[1.0149187 0.98825717]]

Designated Priority: 1

Q-values before update: [[1.0241923 0.9970628]]

Q-values after update: [[1.0259235 0.99704427]]

Designated Priority: 1

Q-values before update: [[1.0354824 1.0053598]]

Q-values after update: [[1.0374115 1.005471 ]]

Designated Priority: 1

Q-values before update: [[1.0455077 1.0168648]]

Q-values after update: [[1.0476674 1.0170519]]

Designated Priority: 1

Q-values before update: [[1.0535116 1.0324354]]

Q-values after update: [[1.0560546 1.032837 ]]

Designated Priority: 1

Q-values before update: [[1.0611154 1.047865 ]]

Q-values after update: [[1.0643317 1.0486388]]

Designated Priority: 1

Q-values before update: [[1.0606865 1.0595803]]

Q-values after update: [[1.0655354 1.0612332]]

Designated Priority: 3

Q-values before update: [[1.0607654 1.0716257]]

Q-values after update: [[1.0523126 1.0496215]]

Episode 94 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.15764925 -1.3954217 0.2541564 2.3026364 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0159404 0.9684963]]

Q-values after update: [[1.0147322 0.9594009]]

Designated Priority: 1

Q-values before update: [[1.0237895 0.96743625]]

Q-values after update: [[1.0218737 0.9584657]]

Designated Priority: 1

Q-values before update: [[1.0299833 0.9651873]]

Q-values after update: [[1.0274801 0.9564024]]

Designated Priority: 1

Q-values before update: [[1.0350951 0.9615518]]

Q-values after update: [[1.0322232 0.95302606]]

Designated Priority: 1

Q-values before update: [[1.0388031 0.9566395]]

Q-values after update: [[1.0359261 0.9483554]]

Designated Priority: 1

Q-values before update: [[1.0388201 0.95604414]]

Q-values after update: [[1.0364151 0.9479197]]

Designated Priority: 1

Q-values before update: [[1.0359839 0.9550787]]

Q-values after update: [[1.0344813 0.94762313]]

Designated Priority: 1

Q-values before update: [[1.0258448 0.9502925]]

Q-values after update: [[1.0266117 0.94415164]]

Designated Priority: 3

Q-values before update: [[1.0162715 0.9454741]]

Q-values after update: [[1.0121634 0.93743056]]

Episode 95 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.11330026 -1.7144139 0.25002816 2.8166838 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0156637 0.92102414]]

Q-values after update: [[1.0149181 0.91753125]]

Designated Priority: 1

Q-values before update: [[1.0202904 0.9208391]]

Q-values after update: [[1.0194807 0.9174503]]

Designated Priority: 1

Q-values before update: [[1.0239978 0.9200424]]

Q-values after update: [[1.0233933 0.9168835]]

Designated Priority: 1

Q-values before update: [[1.0270634 0.91859645]]

Q-values after update: [[1.0268432 0.9157406]]

Designated Priority: 1

Q-values before update: [[1.0299478 0.9158658]]

Q-values after update: [[1.0304153 0.9134449]]

Designated Priority: 1

Q-values before update: [[1.03213 0.9136579]]

Q-values after update: [[1.0342233 0.9157752]]

Designated Priority: 1

Q-values before update: [[1.0233777 0.90767574]]

Q-values after update: [[1.0263338 0.9099602]]

Designated Priority: 1

Q-values before update: [[1.0279415 0.9109478]]

Q-values after update: [[1.0321269 0.9135998]]

Designated Priority: 1

Q-values before update: [[1.0309526 0.91774803]]

Q-values after update: [[1.0368344 0.92103934]]

Designated Priority: 1

Q-values before update: [[1.0260316 0.92046154]]

Q-values after update: [[1.0347099 0.9249543]]

Designated Priority: 3

Q-values before update: [[1.0224156 0.9236065]]

Q-values after update: [[1.0243986 0.9249716]]

Episode 96 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.18771045 -1.7275441 0.2333271 2.772141 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0332363 0.916191 ]]

Q-values after update: [[1.0348092 0.91732126]]

Designated Priority: 1

Q-values before update: [[1.0409216 0.92084724]]

Q-values after update: [[1.0418143 0.9216857]]

Designated Priority: 1

Q-values before update: [[1.0469599 0.9243963]]

Q-values after update: [[1.0473855 0.925017 ]]

Designated Priority: 1

Q-values before update: [[1.0519435 0.926864 ]]

Q-values after update: [[1.052019 0.9273766]]

Designated Priority: 1

Q-values before update: [[1.055928 0.92730904]]

Q-values after update: [[1.0558972 0.9277351]]

Designated Priority: 1

Q-values before update: [[1.0573874 0.93018687]]

Q-values after update: [[1.0590277 0.9347991]]

Designated Priority: 1

Q-values before update: [[1.047845 0.9238144]]

Q-values after update: [[1.0495173 0.9277895]]

Designated Priority: 1

Q-values before update: [[1.0505486 0.9320073]]

Q-values after update: [[1.0527307 0.93611205]]

Designated Priority: 1

Q-values before update: [[1.0434597 0.9370749]]

Q-values after update: [[1.0470201 0.9416026]]

Designated Priority: 3

Q-values before update: [[1.0355223 0.94145477]]

Q-values after update: [[1.0297613 0.9414343]]

Episode 97 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.14341718 -1.5910058 0.24506 2.5924134 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0464859 0.93840545]]

Q-values after update: [[1.0448806 0.9413173]]

Designated Priority: 1

Q-values before update: [[1.038182 0.9365722]]

Q-values after update: [[1.0359092 0.93892074]]

Designated Priority: 1

Q-values before update: [[1.0435838 0.9445848]]

Q-values after update: [[1.0402776 0.9462198]]

Designated Priority: 1

Q-values before update: [[1.0462391 0.9501041]]

Q-values after update: [[1.0422862 0.95119727]]

Designated Priority: 1

Q-values before update: [[1.0474892 0.95429015]]

Q-values after update: [[1.0432063 0.9549686]]

Designated Priority: 1

Q-values before update: [[1.0471601 0.95706 ]]

Q-values after update: [[1.0428847 0.9574673]]

Designated Priority: 1

Q-values before update: [[1.0455933 0.958727 ]]

Q-values after update: [[1.0417333 0.95905 ]]

Designated Priority: 1

Q-values before update: [[1.0422149 0.96181864]]

Q-values after update: [[1.0397595 0.9647968]]

Designated Priority: 1

Q-values before update: [[1.0297906 0.9536538]]

Q-values after update: [[1.0282866 0.95644826]]

Designated Priority: 1

Q-values before update: [[1.0288409 0.95969707]]

Q-values after update: [[1.028532 0.9628203]]

Designated Priority: 1

Q-values before update: [[1.0226363 0.96661425]]

Q-values after update: [[1.0242001 0.9703609]]

Designated Priority: 1

Q-values before update: [[1.0109756 0.9697433]]

Q-values after update: [[1.0157541 0.974952 ]]

Designated Priority: 3

Q-values before update: [[1.0010355 0.9732245]]

Q-values after update: [[1.0053598 0.97804683]]

Episode 98 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [-0.12010965 -1.7331568 0.2216322 2.7083166 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[1.0215484 0.9618656]]

Q-values after update: [[1.0232394 0.9643577]]

Designated Priority: 1

Q-values before update: [[1.030038 0.9691956]]

Q-values after update: [[1.0322037 0.9727292]]

Designated Priority: 1

Q-values before update: [[1.0241685 0.9668816]]

Q-values after update: [[1.0255004 0.96972096]]

Designated Priority: 1

Q-values before update: [[1.0327759 0.974954 ]]

Q-values after update: [[1.0338053 0.97756064]]

Designated Priority: 1

Q-values before update: [[1.0400743 0.9819492]]

Q-values after update: [[1.0408642 0.98433757]]

Designated Priority: 1

Q-values before update: [[1.046144 0.9878814]]

Q-values after update: [[1.046835 0.9901025]]

Designated Priority: 1

Q-values before update: [[1.0511013 0.9929452]]

Q-values after update: [[1.051877 0.99507725]]

Designated Priority: 1

Q-values before update: [[1.0532746 1.0016825]]

Q-values after update: [[1.0544347 1.0038825]]

Designated Priority: 1

Q-values before update: [[1.0495737 1.0087935]]

Q-values after update: [[1.0518422 1.0114136]]

Designated Priority: 1

Q-values before update: [[1.0403872 1.0121818]]

Q-values after update: [[1.0448067 1.0158032]]

Designated Priority: 3

Q-values before update: [[1.0318378 1.015637 ]]

Q-values after update: [[1.0269969 1.0143611]]

Episode 99 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.10754546 -1.7953005 0.22332436 2.7728148 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0320736 0.9864282]]

Q-values after update: [[1.0294856 0.9864033]]

Designated Priority: 1

Q-values before update: [[1.0372691 0.99234843]]

Q-values after update: [[1.0344257 0.9920708]]

Designated Priority: 1

Q-values before update: [[1.0408418 0.9968034]]

Q-values after update: [[1.0379705 0.99637365]]

Designated Priority: 1

Q-values before update: [[1.0431149 1.0000021]]

Q-values after update: [[1.0405145 0.99955654]]

Designated Priority: 1

Q-values before update: [[1.044398 1.0022542]]

Q-values after update: [[1.0424088 1.0019624]]

Designated Priority: 1

Q-values before update: [[1.0432556 1.0078927]]

Q-values after update: [[1.0423225 1.0080217]]

Designated Priority: 1

Q-values before update: [[1.0400635 1.0135243]]

Q-values after update: [[1.0407671 1.0143795]]

Designated Priority: 1

Q-values before update: [[1.0281627 1.0149575]]

Q-values after update: [[1.0318501 1.0172896]]

Designated Priority: 1

Q-values before update: [[1.0176553 1.0163864]]

Q-values after update: [[1.0258602 1.0211511]]

Designated Priority: 3

Q-values before update: [[1.0102811 1.0192392]]

Q-values after update: [[1.0148422 1.0220709]]

Episode 100 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.15273032 -1.9942698 0.24151158 3.0273144 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0244868 0.9868069]]

Q-values after update: [[1.0263388 0.9877976]]

Designated Priority: 1

Q-values before update: [[1.0346766 0.9941776]]

Q-values after update: [[1.0360594 0.99503195]]

Designated Priority: 1

Q-values before update: [[1.0433637 1.0004936]]

Q-values after update: [[1.0443426 1.0012192]]

Designated Priority: 1

Q-values before update: [[1.0506296 1.0057712]]

Q-values after update: [[1.051305 1.0063889]]

Designated Priority: 1

Q-values before update: [[1.0565884 1.0100362]]

Q-values after update: [[1.0571177 1.0105965]]

Designated Priority: 1

Q-values before update: [[1.0597979 1.0171978]]

Q-values after update: [[1.0604697 1.0178016]]

Designated Priority: 1

Q-values before update: [[1.0572598 1.0242028]]

Q-values after update: [[1.0587628 1.0251979]]

Designated Priority: 1

Q-values before update: [[1.0476937 1.0271761]]

Q-values after update: [[1.0501833 1.0301572]]

Designated Priority: 1

Q-values before update: [[1.03899 1.0127541]]

Q-values after update: [[1.0428432 1.0161593]]

Designated Priority: 3

Q-values before update: [[1.0318085 1.0186429]]

Q-values after update: [[1.0272658 1.0175574]]

Episode 1 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.1441223 -1.5602064 0.25105178 2.5243902 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0337485 0.9981177]]

Q-values after update: [[1.0309087 0.9979259]]

Designated Priority: 1

Q-values before update: [[1.0395503 1.004724 ]]

Q-values after update: [[1.0365374 1.0043375]]

Designated Priority: 1

Q-values before update: [[1.0438719 1.0100164]]

Q-values after update: [[1.040915 1.0095348]]

Designated Priority: 1

Q-values before update: [[1.0469973 1.0141265]]

Q-values after update: [[1.044363 1.013671]]

Designated Priority: 1

Q-values before update: [[1.0492464 1.0172064]]

Q-values after update: [[1.047236 1.0169291]]

Designated Priority: 1

Q-values before update: [[1.0492063 1.023544 ]]

Q-values after update: [[1.0482234 1.0237062]]

Designated Priority: 1

Q-values before update: [[1.047719 1.0312403]]

Q-values after update: [[1.0482563 1.0320947]]

Designated Priority: 1

Q-values before update: [[1.0363948 1.0335718]]

Q-values after update: [[1.0398763 1.0359067]]

Designated Priority: 1

Q-values before update: [[1.0263364 1.0363425]]

Q-values after update: [[1.0313737 1.0418255]]

Designated Priority: 3

Q-values before update: [[1.018647 1.0228082]]

Q-values after update: [[1.0197786 1.0214409]]

Episode 2 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.18764073 -1.1966741 0.2264456 1.8964106 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0200143 0.994249 ]]

Q-values after update: [[1.0208151 0.99333715]]

Designated Priority: 1

Q-values before update: [[1.0298945 1.0005779]]

Q-values after update: [[1.0305463 0.9997068]]

Designated Priority: 1

Q-values before update: [[1.038429 1.0058427]]

Q-values after update: [[1.0389997 1.0050296]]

Designated Priority: 1

Q-values before update: [[1.0457188 1.0100878]]

Q-values after update: [[1.046315 1.009369]]

Designated Priority: 1

Q-values before update: [[1.0519013 1.0133737]]

Q-values after update: [[1.0526875 1.0128183]]

Designated Priority: 1

Q-values before update: [[1.0550894 1.0204641]]

Q-values after update: [[1.056421 1.0201602]]

Designated Priority: 1

Q-values before update: [[1.0506027 1.0252998]]

Q-values after update: [[1.0532217 1.0257051]]

Designated Priority: 1

Q-values before update: [[1.0414797 1.0273912]]

Q-values after update: [[1.0452636 1.030338 ]]

Designated Priority: 3

Q-values before update: [[1.0330467 1.0122887]]

Q-values after update: [[1.0284604 1.0107992]]

Episode 3 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.15280445 -1.4029127 0.2244763 2.2331157 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0310186 0.9946438]]

Q-values after update: [[1.0277438 0.9939853]]

Designated Priority: 1

Q-values before update: [[1.0368978 1.0011495]]

Q-values after update: [[1.0330788 1.000177 ]]

Designated Priority: 1

Q-values before update: [[1.0408176 1.0061173]]

Q-values after update: [[1.0366848 1.0049199]]

Designated Priority: 1

Q-values before update: [[1.0430518 1.0096593]]

Q-values after update: [[1.038883 1.0083473]]

Designated Priority: 1

Q-values before update: [[1.0439159 1.0119092]]

Q-values after update: [[1.0400426 1.0106282]]

Designated Priority: 1

Q-values before update: [[1.040653 1.0187355]]

Q-values after update: [[1.0375408 1.0177889]]

Designated Priority: 1

Q-values before update: [[1.0268615 1.0201979]]

Q-values after update: [[1.0255414 1.0200416]]

Designated Priority: 1

Q-values before update: [[1.0121475 1.0207133]]

Q-values after update: [[1.0119314 1.0225344]]

Designated Priority: 3

Q-values before update: [[1.0008858 1.0046457]]

Q-values after update: [[1.000097 1.0050814]]

Episode 4 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.09425224 -0.9798435 0.23043603 1.7043065 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0055412 0.9914057]]

Q-values after update: [[1.0049055 0.99196255]]

Designated Priority: 1

Q-values before update: [[0.9972573 0.9857676]]

Q-values after update: [[0.9968115 0.98628885]]

Designated Priority: 1

Q-values before update: [[1.0055032 0.9934379]]

Q-values after update: [[1.0053777 0.9940359]]

Designated Priority: 1

Q-values before update: [[1.0133266 1.0003915]]

Q-values after update: [[1.0135798 1.0010853]]

Designated Priority: 1

Q-values before update: [[1.0207773 1.0068452]]

Q-values after update: [[1.0215046 1.0076872]]

Designated Priority: 1

Q-values before update: [[1.0275539 1.0124097]]

Q-values after update: [[1.0288801 1.0134666]]

Designated Priority: 1

Q-values before update: [[1.0338287 1.0171839]]

Q-values after update: [[1.0353789 1.0189538]]

Designated Priority: 1

Q-values before update: [[1.0219952 1.007539 ]]

Q-values after update: [[1.0241733 1.0094142]]

Designated Priority: 1

Q-values before update: [[1.0295403 1.0134871]]

Q-values after update: [[1.0326159 1.015718 ]]

Designated Priority: 1

Q-values before update: [[1.034605 1.0228717]]

Q-values after update: [[1.0388823 1.025636 ]]

Designated Priority: 1

Q-values before update: [[1.0332742 1.0311685]]

Q-values after update: [[1.0395505 1.0349139]]

Designated Priority: 1

Q-values before update: [[1.027496 1.0367295]]

Q-values after update: [[1.0345495 1.042526 ]]

Designated Priority: 3

Q-values before update: [[1.0223193 1.0238447]]

Q-values after update: [[1.0255218 1.0230072]]

Episode 5 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [-0.18926018 -0.93592286 0.21427599 1.6144503 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[1.0226151 1.0022367]]

Q-values after update: [[1.0250752 1.001655 ]]

Designated Priority: 1

Q-values before update: [[1.0350658 1.0098536]]

Q-values after update: [[1.0372231 1.0092874]]

Designated Priority: 1

Q-values before update: [[1.0459747 1.0163213]]

Q-values after update: [[1.0478315 1.0157578]]

Designated Priority: 1

Q-values before update: [[1.0553718 1.0216545]]

Q-values after update: [[1.0572462 1.0215427]]

Designated Priority: 1

Q-values before update: [[1.0437171 1.0103072]]

Q-values after update: [[1.0453049 1.0101701]]

Designated Priority: 1

Q-values before update: [[1.053107 1.016192]]

Q-values after update: [[1.0545689 1.0160733]]

Designated Priority: 1

Q-values before update: [[1.0611526 1.0209606]]

Q-values after update: [[1.0626053 1.0209067]]

Designated Priority: 1

Q-values before update: [[1.0657212 1.0295101]]

Q-values after update: [[1.0675019 1.0295972]]

Designated Priority: 1

Q-values before update: [[1.0584832 1.0332291]]

Q-values after update: [[1.0615374 1.0340215]]

Designated Priority: 3

Q-values before update: [[1.0497922 1.0359832]]

Q-values after update: [[1.0389233 1.0293831]]

Episode 6 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.16464755 -1.5999646 0.21322623 2.5001795 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0373498 1.0020509]]

Q-values after update: [[1.0320234 0.99961996]]

Designated Priority: 1

Q-values before update: [[1.0412308 1.0069253]]

Q-values after update: [[1.0357602 1.0042715]]

Designated Priority: 1

Q-values before update: [[1.0432067 1.0100266]]

Q-values after update: [[1.0379047 1.0073051]]

Designated Priority: 1

Q-values before update: [[1.0436774 1.011569 ]]

Q-values after update: [[1.0389194 1.0089668]]

Designated Priority: 1

Q-values before update: [[1.0431005 1.0117949]]

Q-values after update: [[1.0393023 1.009536 ]]

Designated Priority: 1

Q-values before update: [[1.0401001 1.0150746]]

Q-values after update: [[1.0377766 1.0134864]]

Designated Priority: 1

Q-values before update: [[1.0284933 1.0158297]]

Q-values after update: [[1.0269684 1.0165006]]

Designated Priority: 1

Q-values before update: [[1.0192816 1.0008881]]

Q-values after update: [[1.0204829 1.0026714]]

Designated Priority: 1

Q-values before update: [[1.0066088 1.0028363]]

Q-values after update: [[1.0116034 1.0064551]]

Designated Priority: 3

Q-values before update: [[0.9957863 1.0053374]]

Q-values after update: [[0.9997524 1.0073719]]

Episode 7 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.18679768 -1.2135581 0.2218976 1.9079038 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0227532 0.99859095]]

Q-values after update: [[1.0250807 0.99962854]]

Designated Priority: 1

Q-values before update: [[1.0331111 1.0059645]]

Q-values after update: [[1.0350735 1.0068942]]

Designated Priority: 1

Q-values before update: [[1.0418937 1.0121297]]

Q-values after update: [[1.0435679 1.0129703]]

Designated Priority: 1

Q-values before update: [[1.0491993 1.0171189]]

Q-values after update: [[1.0507121 1.0179114]]

Designated Priority: 1

Q-values before update: [[1.0551739 1.0209836]]

Q-values after update: [[1.0567074 1.0218014]]

Designated Priority: 1

Q-values before update: [[1.0581039 1.0271928]]

Q-values after update: [[1.0600035 1.0281588]]

Designated Priority: 1

Q-values before update: [[1.0526245 1.0318271]]

Q-values after update: [[1.0557413 1.0334145]]

Designated Priority: 1

Q-values before update: [[1.0415106 1.0331008]]

Q-values after update: [[1.0471029 1.0360175]]

Designated Priority: 1

Q-values before update: [[1.0310457 1.0344954]]

Q-values after update: [[1.0381356 1.0405029]]

Designated Priority: 3

Q-values before update: [[1.0242674 1.0204793]]

Q-values after update: [[1.0236831 1.0219957]]

Episode 8 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.19049756 -1.5310555 0.23676647 2.4888656 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0348194 1.0033221]]

Q-values after update: [[1.0339485 1.0041928]]

Designated Priority: 1

Q-values before update: [[1.0434482 1.0118216]]

Q-values after update: [[1.0425425 1.0123023]]

Designated Priority: 1

Q-values before update: [[1.0321006 1.0037146]]

Q-values after update: [[1.0307612 1.0039086]]

Designated Priority: 1

Q-values before update: [[1.0402672 1.0116022]]

Q-values after update: [[1.0385568 1.0116091]]

Designated Priority: 1

Q-values before update: [[1.0466728 1.0180786]]

Q-values after update: [[1.0451088 1.0180627]]

Designated Priority: 1

Q-values before update: [[1.0333488 1.0081626]]

Q-values after update: [[1.031905 1.0080075]]

Designated Priority: 1

Q-values before update: [[1.0215724 0.9993527]]

Q-values after update: [[1.0201466 0.9991443]]

Designated Priority: 1

Q-values before update: [[1.0296655 1.0069203]]

Q-values after update: [[1.0282083 1.0066812]]

Designated Priority: 1

Q-values before update: [[1.0363135 1.0131922]]

Q-values after update: [[1.0349166 1.012956 ]]

Designated Priority: 1

Q-values before update: [[1.0416478 1.0182261]]

Q-values after update: [[1.0405098 1.0183464]]

Designated Priority: 1

Q-values before update: [[1.0274994 1.0071142]]

Q-values after update: [[1.0267255 1.0073042]]

Designated Priority: 1

Q-values before update: [[1.0332538 1.012804 ]]

Q-values after update: [[1.0329651 1.0131764]]

Designated Priority: 1

Q-values before update: [[1.0369538 1.0182033]]

Q-values after update: [[1.0374038 1.018901 ]]

Designated Priority: 1

Q-values before update: [[1.0274891 1.0225831]]

Q-values after update: [[1.0296402 1.0240946]]

Designated Priority: 3

Q-values before update: [[1.0163786 1.0256375]]

Q-values after update: [[1.0150945 1.0205061]]

Episode 9 out of total 100, Total Reward: 15.0, Epsilon: 0.75, Current State: [-0.15250666 -0.95441276 0.22011843 1.7617569 ], Steps Taken: 15

Designated Priority: 1

Q-values before update: [[1.028019 1.0064782]]

Q-values after update: [[1.0271689 1.0032578]]

Designated Priority: 1

Q-values before update: [[1.0365835 1.0109367]]

Q-values after update: [[1.0350261 1.0076084]]

Designated Priority: 1

Q-values before update: [[1.0429308 1.013854 ]]

Q-values after update: [[1.0408487 1.0104785]]

Designated Priority: 1

Q-values before update: [[1.0472825 1.0153301]]

Q-values after update: [[1.0449092 1.011985 ]]

Designated Priority: 1

Q-values before update: [[1.0499051 1.0154719]]

Q-values after update: [[1.0478114 1.0126895]]

Designated Priority: 1

Q-values before update: [[1.0340765 1.001195 ]]

Q-values after update: [[1.0325044 0.9993677]]

Designated Priority: 1

Q-values before update: [[1.0203261 0.9892588]]

Q-values after update: [[1.0191703 0.98777395]]

Designated Priority: 1

Q-values before update: [[1.0254864 0.9922574]]

Q-values after update: [[1.0247456 0.99099505]]

Designated Priority: 1

Q-values before update: [[1.0288378 0.9945418]]

Q-values after update: [[1.0287895 0.9936222]]

Designated Priority: 1

Q-values before update: [[1.0190852 0.9949323]]

Q-values after update: [[1.0206249 0.9947477]]

Designated Priority: 3

Q-values before update: [[1.0066537 0.9946729]]

Q-values after update: [[1.0065265 0.9937122]]

Episode 10 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.10290114 -1.3384364 0.21574816 2.268571 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0212202 0.9892695]]

Q-values after update: [[1.0210388 0.988655 ]]

Designated Priority: 1

Q-values before update: [[1.0295644 0.9951993]]

Q-values after update: [[1.0291992 0.9945446]]

Designated Priority: 1

Q-values before update: [[1.0363326 0.9998193]]

Q-values after update: [[1.0359303 0.9991791]]

Designated Priority: 1

Q-values before update: [[1.0417111 1.0032113]]

Q-values after update: [[1.0414629 1.0026634]]

Designated Priority: 1

Q-values before update: [[1.0458332 1.0055958]]

Q-values after update: [[1.0460759 1.0062126]]

Designated Priority: 1

Q-values before update: [[1.0324081 0.99483657]]

Q-values after update: [[1.0330466 0.99555075]]

Designated Priority: 1

Q-values before update: [[1.0377674 0.9985188]]

Q-values after update: [[1.0390363 0.9994901]]

Designated Priority: 1

Q-values before update: [[1.0361446 1.0034891]]

Q-values after update: [[1.0386531 1.0049912]]

Designated Priority: 1

Q-values before update: [[1.024988 1.0049049]]

Q-values after update: [[1.0299536 1.0076385]]

Designated Priority: 3

Q-values before update: [[1.0143365 1.0061712]]

Q-values after update: [[1.0151411 1.0067269]]

Episode 11 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.12484142 -1.6071888 0.21327706 2.5043838 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0310974 0.99695385]]

Q-values after update: [[1.0315297 0.99736357]]

Designated Priority: 1

Q-values before update: [[1.0400604 1.003905 ]]

Q-values after update: [[1.0402514 1.0042027]]

Designated Priority: 1

Q-values before update: [[1.0474691 1.0095656]]

Q-values after update: [[1.0475464 1.0098 ]]

Designated Priority: 1

Q-values before update: [[1.0534866 1.014005 ]]

Q-values after update: [[1.0536456 1.0142565]]

Designated Priority: 1

Q-values before update: [[1.0583411 1.0173218]]

Q-values after update: [[1.0588261 1.0177045]]

Designated Priority: 1

Q-values before update: [[1.0609919 1.0223472]]

Q-values after update: [[1.062172 1.0230373]]

Designated Priority: 1

Q-values before update: [[1.0578084 1.0271785]]

Q-values after update: [[1.0599043 1.0299046]]

Designated Priority: 1

Q-values before update: [[1.0493511 1.0123057]]

Q-values after update: [[1.0524044 1.0152206]]

Designated Priority: 1

Q-values before update: [[1.0414287 1.01653 ]]

Q-values after update: [[1.0469471 1.020632 ]]

Designated Priority: 1

Q-values before update: [[1.032387 1.0198593]]

Q-values after update: [[1.0418288 1.026042 ]]

Designated Priority: 3

Q-values before update: [[1.0255432 1.0241872]]

Q-values after update: [[1.0263135 1.0255297]]

Episode 12 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.22241968 -1.7794328 0.23030478 2.7648964 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.051296 1.011586]]

Q-values after update: [[1.0508623 1.0122219]]

Designated Priority: 1

Q-values before update: [[1.060684 1.0199165]]

Q-values after update: [[1.0588701 1.0199537]]

Designated Priority: 1

Q-values before update: [[1.0673257 1.0264435]]

Q-values after update: [[1.0643276 1.0259385]]

Designated Priority: 1

Q-values before update: [[1.0714335 1.0312264]]

Q-values after update: [[1.0675198 1.0302584]]

Designated Priority: 1

Q-values before update: [[1.07322 1.0344092]]

Q-values after update: [[1.0687354 1.0330937]]

Designated Priority: 1

Q-values before update: [[1.0714824 1.0390142]]

Q-values after update: [[1.0673444 1.0377982]]

Designated Priority: 1

Q-values before update: [[1.0527778 1.0208043]]

Q-values after update: [[1.0493642 1.020123 ]]

Designated Priority: 1

Q-values before update: [[1.0346751 1.0076818]]

Q-values after update: [[1.031891 1.0071914]]

Designated Priority: 1

Q-values before update: [[1.0377809 1.0114837]]

Q-values after update: [[1.0356946 1.0112308]]

Designated Priority: 1

Q-values before update: [[1.030566 1.014599]]

Q-values after update: [[1.029968 1.014986]]

Designated Priority: 1

Q-values before update: [[1.0166659 1.0155114]]

Q-values after update: [[1.0171423 1.0178795]]

Designated Priority: 3

Q-values before update: [[1.006527 1.0004689]]

Q-values after update: [[1.006844 1.0023878]]

Episode 13 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [-0.12809503 -0.7625626 0.2240319 1.4085798 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[1.0260965 1.0108767]]

Q-values after update: [[1.0251278 1.0117099]]

Designated Priority: 1

Q-values before update: [[1.0346841 1.0195397]]

Q-values after update: [[1.0336461 1.0197461]]

Designated Priority: 1

Q-values before update: [[1.0222325 1.0102199]]

Q-values after update: [[1.0206981 1.010123 ]]

Designated Priority: 1

Q-values before update: [[1.030467 1.0181972]]

Q-values after update: [[1.0286055 1.0179676]]

Designated Priority: 1

Q-values before update: [[1.0371099 1.024892 ]]

Q-values after update: [[1.0350622 1.0245748]]

Designated Priority: 1

Q-values before update: [[1.0423414 1.0303719]]

Q-values after update: [[1.0402975 1.0300341]]

Designated Priority: 1

Q-values before update: [[1.0462768 1.0348204]]

Q-values after update: [[1.044313 1.0341946]]

Designated Priority: 1

Q-values before update: [[1.029432 1.0210257]]

Q-values after update: [[1.0279285 1.0205628]]

Designated Priority: 1

Q-values before update: [[1.0343295 1.025506 ]]

Q-values after update: [[1.0330102 1.02516 ]]

Designated Priority: 1

Q-values before update: [[1.0182989 1.0122432]]

Q-values after update: [[1.0177302 1.0121809]]

Designated Priority: 1

Q-values before update: [[1.0243745 1.0173031]]

Q-values after update: [[1.0247219 1.0176572]]

Designated Priority: 1

Q-values before update: [[1.0225857 1.0232539]]

Q-values after update: [[1.023334 1.0244427]]

Designated Priority: 1

Q-values before update: [[1.0141784 1.0090225]]

Q-values after update: [[1.0160835 1.0105752]]

Designated Priority: 1

Q-values before update: [[1.0064802 1.0130837]]

Q-values after update: [[1.0090134 1.0160632]]

Designated Priority: 3

Q-values before update: [[0.9995439 0.99951607]]

Q-values after update: [[1.0018109 1.0020621]]

Episode 14 out of total 100, Total Reward: 15.0, Epsilon: 0.75, Current State: [-0.11701234 -0.95416445 0.23083219 1.7190483 ], Steps Taken: 15

Designated Priority: 1

Q-values before update: [[1.0050229 1.0048809]]

Q-values after update: [[1.0065935 1.0065545]]

Designated Priority: 1

Q-values before update: [[1.0173616 1.0157542]]

Q-values after update: [[1.0187321 1.0169059]]

Designated Priority: 1

Q-values before update: [[1.0066221 1.0064332]]

Q-values after update: [[1.0079676 1.007446 ]]

Designated Priority: 1

Q-values before update: [[1.0189914 1.0168917]]

Q-values after update: [[1.0204786 1.0179754]]

Designated Priority: 1

Q-values before update: [[1.0303086 1.0263026]]

Q-values after update: [[1.0316013 1.0269836]]

Designated Priority: 1

Q-values before update: [[1.0179574 1.0150363]]

Q-values after update: [[1.0192475 1.0156593]]

Designated Priority: 1

Q-values before update: [[1.0293496 1.0242124]]

Q-values after update: [[1.0304848 1.0245636]]

Designated Priority: 1

Q-values before update: [[1.0167876 1.0125422]]

Q-values after update: [[1.0176765 1.0126022]]

Designated Priority: 1

Q-values before update: [[1.0052669 1.0017718]]

Q-values after update: [[1.0063384 1.0019102]]

Designated Priority: 1

Q-values before update: [[1.0179747 1.0118339]]

Q-values after update: [[1.0192212 1.0120921]]

Designated Priority: 1

Q-values before update: [[1.0295857 1.0208106]]

Q-values after update: [[1.030947 1.021163]]

Designated Priority: 1

Q-values before update: [[1.0400858 1.0287135]]

Q-values after update: [[1.0415635 1.0291619]]

Designated Priority: 1

Q-values before update: [[1.048661 1.0365067]]

Q-values after update: [[1.0500801 1.0370514]]

Designated Priority: 1

Q-values before update: [[1.0345283 1.0214862]]

Q-values after update: [[1.0362575 1.0221543]]

Designated Priority: 1

Q-values before update: [[1.0388097 1.02883 ]]

Q-values after update: [[1.0413051 1.029911 ]]

Designated Priority: 3

Q-values before update: [[1.0318401 1.0345392]]

Q-values after update: [[1.0300359 1.0270122]]

Episode 15 out of total 100, Total Reward: 16.0, Epsilon: 0.75, Current State: [-0.12899883 -0.8332193 0.21875 1.5130829 ], Steps Taken: 16

Designated Priority: 1

Q-values before update: [[1.022569 1.0055969]]

Q-values after update: [[1.0218748 1.0007632]]

Designated Priority: 1

Q-values before update: [[1.0335371 1.0104415]]

Q-values after update: [[1.0322474 1.0056382]]

Designated Priority: 1

Q-values before update: [[1.0423837 1.0138041]]

Q-values after update: [[1.0405961 1.0090604]]

Designated Priority: 1

Q-values before update: [[1.0492545 1.0157703]]

Q-values after update: [[1.0471141 1.0111287]]

Designated Priority: 1

Q-values before update: [[1.0541624 1.016572 ]]

Q-values after update: [[1.0518916 1.0121124]]

Designated Priority: 1

Q-values before update: [[1.0507622 1.0183696]]

Q-values after update: [[1.0489231 1.0141821]]

Designated Priority: 1

Q-values before update: [[1.036862 1.0155469]]

Q-values after update: [[1.0367787 1.0124383]]

Designated Priority: 3

Q-values before update: [[1.0225203 1.0121528]]

Q-values after update: [[1.015976 1.0058639]]

Episode 16 out of total 100, Total Reward: 8.0, Epsilon: 0.75, Current State: [-0.08696737 -1.6090877 0.21273355 2.5347078 ], Steps Taken: 8

Designated Priority: 1

Q-values before update: [[1.0144467 0.97809696]]

Q-values after update: [[1.0110763 0.9749072]]

Designated Priority: 1

Q-values before update: [[1.0211164 0.98258215]]

Q-values after update: [[1.0174886 0.97932655]]

Designated Priority: 1

Q-values before update: [[1.025933 0.98553485]]

Q-values after update: [[1.0222447 0.98229945]]

Designated Priority: 1

Q-values before update: [[1.0291605 0.9870913]]

Q-values after update: [[1.0256689 0.98398685]]

Designated Priority: 1

Q-values before update: [[1.0310377 0.98746973]]

Q-values after update: [[1.0280635 0.9846462]]

Designated Priority: 1

Q-values before update: [[1.0260823 0.9881623]]

Q-values after update: [[1.0241112 0.9858192]]

Designated Priority: 1

Q-values before update: [[1.0099789 0.98501897]]

Q-values after update: [[1.0105231 0.9839566]]

Designated Priority: 1

Q-values before update: [[0.9942015 0.9815687]]

Q-values after update: [[0.99893844 0.9827566 ]]

Designated Priority: 3

Q-values before update: [[0.9808339 0.9790801]]

Q-values after update: [[0.99123055 0.9834737 ]]

Episode 17 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.10084703 -1.7202129 0.23901992 2.843316 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0060258 0.96411663]]

Q-values after update: [[1.0112045 0.9664919]]

Designated Priority: 1

Q-values before update: [[1.0022044 0.9595473]]

Q-values after update: [[1.006368 0.9612732]]

Designated Priority: 1

Q-values before update: [[1.0172312 0.9698565]]

Q-values after update: [[1.0213559 0.97175294]]

Designated Priority: 1

Q-values before update: [[1.0319608 0.9796115]]

Q-values after update: [[1.0362647 0.98228335]]

Designated Priority: 1

Q-values before update: [[1.0239422 0.972968 ]]

Q-values after update: [[1.0279534 0.97630364]]

Designated Priority: 1

Q-values before update: [[1.0171099 0.9678684]]

Q-values after update: [[1.0198765 0.9703704]]

Designated Priority: 1

Q-values before update: [[1.0324744 0.98036695]]

Q-values after update: [[1.0347822 0.9827267]]

Designated Priority: 1

Q-values before update: [[1.0464993 0.9914695]]

Q-values after update: [[1.0489265 0.9941238]]

Designated Priority: 1

Q-values before update: [[1.0355582 0.9839583]]

Q-values after update: [[1.0378456 0.98699886]]

Designated Priority: 1

Q-values before update: [[1.0257441 0.9775298]]

Q-values after update: [[1.0268476 0.9798082]]

Designated Priority: 1

Q-values before update: [[1.0405127 0.99067706]]

Q-values after update: [[1.040907 0.9925919]]

Designated Priority: 1

Q-values before update: [[1.0533799 1.0019927]]

Q-values after update: [[1.0529748 1.0034976]]

Designated Priority: 1

Q-values before update: [[1.0642462 1.011822 ]]

Q-values after update: [[1.0630524 1.0129049]]

Designated Priority: 1

Q-values before update: [[1.0731422 1.0201564]]

Q-values after update: [[1.0712202 1.020818 ]]

Designated Priority: 1

Q-values before update: [[1.0800647 1.027055 ]]

Q-values after update: [[1.0775347 1.0273166]]

Designated Priority: 1

Q-values before update: [[1.0842814 1.0343363]]

Q-values after update: [[1.0813959 1.0342695]]

Designated Priority: 1

Q-values before update: [[1.0810721 1.0405644]]

Q-values after update: [[1.0785747 1.0405633]]

Designated Priority: 1

Q-values before update: [[1.0688283 1.0421289]]

Q-values after update: [[1.067976 1.0428256]]

Designated Priority: 3

Q-values before update: [[1.0560876 1.0430942]]

Q-values after update: [[1.0372112 1.0337124]]

Episode 18 out of total 100, Total Reward: 19.0, Epsilon: 0.75, Current State: [-0.14524803 -1.7881114 0.21110699 2.7642817 ], Steps Taken: 19

Designated Priority: 1

Q-values before update: [[1.0242239 0.99760175]]

Q-values after update: [[1.0145335 0.99458575]]

Designated Priority: 1

Q-values before update: [[1.0254182 1.0028898]]

Q-values after update: [[1.0157305 0.999521 ]]

Designated Priority: 1

Q-values before update: [[1.0246795 1.0061095]]

Q-values after update: [[1.0154315 1.002615 ]]

Designated Priority: 1

Q-values before update: [[1.0225786 1.0075674]]

Q-values after update: [[1.0142326 1.0041906]]

Designated Priority: 1

Q-values before update: [[1.0195347 1.0077153]]

Q-values after update: [[1.0119051 1.0050167]]

Designated Priority: 1

Q-values before update: [[0.99821913 0.9933435 ]]

Q-values after update: [[0.9930102 0.99172187]]

Designated Priority: 1

Q-values before update: [[0.9979305 0.99464333]]

Q-values after update: [[0.9934341 0.9941533]]

Designated Priority: 1

Q-values before update: [[0.98046476 0.98312455]]

Q-values after update: [[0.97713876 0.98410094]]

Designated Priority: 1

Q-values before update: [[0.9657209 0.97446764]]

Q-values after update: [[0.9633833 0.97676754]]

Designated Priority: 1

Q-values before update: [[0.9536817 0.96872914]]

Q-values after update: [[0.9520618 0.97188044]]

Designated Priority: 1

Q-values before update: [[0.9440937 0.96552193]]

Q-values after update: [[0.9432218 0.9698731]]

Designated Priority: 1

Q-values before update: [[0.93693924 0.96486974]]

Q-values after update: [[0.93670785 0.9703163 ]]

Designated Priority: 1

Q-values before update: [[0.93217516 0.9667965 ]]

Q-values after update: [[0.9324968 0.973171 ]]

Designated Priority: 1

Q-values before update: [[0.93022966 0.9720874 ]]

Q-values after update: [[0.9311696 0.9795437]]

Designated Priority: 1

Q-values before update: [[0.9300026 0.978673 ]]

Q-values after update: [[0.93159264 0.98726803]]

Designated Priority: 1

Q-values before update: [[0.9311948 0.9871344]]

Q-values after update: [[0.9356916 0.99635994]]

Designated Priority: 1

Q-values before update: [[0.94353914 1.003191 ]]

Q-values after update: [[0.947688 1.0122496]]

Designated Priority: 1

Q-values before update: [[0.9472913 1.0121014]]

Q-values after update: [[0.9516035 1.021432 ]]

Designated Priority: 1

Q-values before update: [[0.9520817 1.0221542]]

Q-values after update: [[0.95658815 1.0318027 ]]

Designated Priority: 1

Q-values before update: [[0.9579207 1.0334018]]

Q-values after update: [[0.9654919 1.044083 ]]

Designated Priority: 1

Q-values before update: [[0.9748951 1.0535029]]

Q-values after update: [[0.9812565 1.0624475]]

Designated Priority: 1

Q-values before update: [[0.9827673 1.0642132]]

Q-values after update: [[0.98844945 1.0717422 ]]

Designated Priority: 1

Q-values before update: [[0.99102294 1.0745771 ]]

Q-values after update: [[0.99565387 1.0802255 ]]

Designated Priority: 1

Q-values before update: [[0.9957626 1.0793965]]

Q-values after update: [[0.99908936 1.0827131 ]]

Designated Priority: 3

Q-values before update: [[0.9977923 1.0798421]]

Q-values after update: [[0.9782981 1.0432734]]

Episode 19 out of total 100, Total Reward: 25.0, Epsilon: 0.75, Current State: [ 0.25165227 2.1403596 -0.21587019 -2.895404 ], Steps Taken: 25

Designated Priority: 1

Q-values before update: [[0.9949278 1.0683613]]

Q-values after update: [[0.99191713 1.0557374 ]]

Designated Priority: 1

Q-values before update: [[0.98612845 1.0497336 ]]

Q-values after update: [[0.9821454 1.036175 ]]

Designated Priority: 1

Q-values before update: [[0.9757816 1.0295883]]

Q-values after update: [[0.9713706 1.016273 ]]

Designated Priority: 1

Q-values before update: [[0.9651555 1.0094998]]

Q-values after update: [[0.9607695 0.99741316]]

Designated Priority: 1

Q-values before update: [[0.95469624 0.99047625]]

Q-values after update: [[0.9508318 0.9805496]]

Designated Priority: 1

Q-values before update: [[0.94493 0.9735137]]

Q-values after update: [[0.9439765 0.9654232]]

Designated Priority: 1

Q-values before update: [[0.9583725 0.9805144]]

Q-values after update: [[0.9586562 0.97571534]]

Designated Priority: 1

Q-values before update: [[0.9497267 0.9647689]]

Q-values after update: [[0.9507835 0.9627186]]

Designated Priority: 1

Q-values before update: [[0.9375347 0.9459659]]

Q-values after update: [[0.94057167 0.948601 ]]

Designated Priority: 1

Q-values before update: [[0.924304 0.9263141]]

Q-values after update: [[0.9334109 0.9327262]]

Designated Priority: 3

Q-values before update: [[0.95303786 0.95705223]]

Q-values after update: [[0.97409445 0.97189534]]

Episode 20 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [ 0.21557157 0.98480606 -0.24506207 -1.7060131 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0100455 1.0261664]]

Q-values after update: [[1.0207481 1.0308707]]

Designated Priority: 1

Q-values before update: [[1.0129626 1.0217496]]

Q-values after update: [[1.022999 1.026066]]

Designated Priority: 1

Q-values before update: [[1.0166522 1.017437 ]]

Q-values after update: [[1.0262018 1.021692 ]]

Designated Priority: 1

Q-values before update: [[1.0215074 1.014499 ]]

Q-values after update: [[1.0301692 1.0185841]]

Designated Priority: 1

Q-values before update: [[1.0398816 1.0297043]]

Q-values after update: [[1.0471961 1.0325081]]

Designated Priority: 1

Q-values before update: [[1.0433562 1.0260581]]

Q-values after update: [[1.0491005 1.0283839]]

Designated Priority: 1

Q-values before update: [[1.0582523 1.0389113]]

Q-values after update: [[1.061265 1.0399832]]

Designated Priority: 1

Q-values before update: [[1.0691499 1.0494924]]

Q-values after update: [[1.0692729 1.0493946]]

Designated Priority: 1

Q-values before update: [[1.0760586 1.058113 ]]

Q-values after update: [[1.0752954 1.0559999]]

Designated Priority: 1

Q-values before update: [[1.0700133 1.0482018]]

Q-values after update: [[1.0670528 1.0454375]]

Designated Priority: 1

Q-values before update: [[1.0737312 1.0540566]]

Q-values after update: [[1.0688404 1.0506066]]

Designated Priority: 1

Q-values before update: [[1.0742582 1.0581775]]

Q-values after update: [[1.0678582 1.0542204]]

Designated Priority: 1

Q-values before update: [[1.0719383 1.0602202]]

Q-values after update: [[1.0648754 1.0561004]]

Designated Priority: 1

Q-values before update: [[1.067708 1.0614283]]

Q-values after update: [[1.0611123 1.0575982]]

Designated Priority: 1

Q-values before update: [[1.063394 1.0623374]]

Q-values after update: [[1.0578744 1.0590482]]

Designated Priority: 1

Q-values before update: [[1.0585806 1.0624338]]

Q-values after update: [[1.0536036 1.0595047]]

Designated Priority: 1

Q-values before update: [[1.042926 1.0467254]]

Q-values after update: [[1.0385163 1.0440471]]

Designated Priority: 1

Q-values before update: [[1.0293732 1.0342689]]

Q-values after update: [[1.0251815 1.0313675]]

Designated Priority: 1

Q-values before update: [[1.0182549 1.0232972]]

Q-values after update: [[1.0155132 1.0211446]]

Designated Priority: 1

Q-values before update: [[1.0183847 1.0260767]]

Q-values after update: [[1.0158284 1.0239706]]

Designated Priority: 1

Q-values before update: [[1.0091858 1.0162733]]

Q-values after update: [[1.0069128 1.0143155]]

Designated Priority: 1

Q-values before update: [[1.001651 1.0071926]]

Q-values after update: [[0.9998547 1.005946 ]]

Designated Priority: 1

Q-values before update: [[0.99621284 1.0007043 ]]

Q-values after update: [[0.99527115 1.001118 ]]

Designated Priority: 1

Q-values before update: [[0.99349135 0.997812 ]]

Q-values after update: [[0.9936276 1.0002928]]

Designated Priority: 1

Q-values before update: [[0.99395645 0.998188 ]]

Q-values after update: [[0.9953975 1.0031104]]

Designated Priority: 1

Q-values before update: [[0.99715734 1.0024437 ]]

Q-values after update: [[1.0003563 1.0103694]]

Designated Priority: 1

Q-values before update: [[1.003885 1.0115232]]

Q-values after update: [[1.0091462 1.0229391]]

Designated Priority: 3

Q-values before update: [[1.0122263 1.0223362]]

Q-values after update: [[1.012528 1.0241061]]

Episode 21 out of total 100, Total Reward: 28.0, Epsilon: 0.75, Current State: [-0.00295178 1.2506338 -0.22971787 -2.5518985 ], Steps Taken: 28

Designated Priority: 1

Q-values before update: [[1.0048794 1.0231643]]

Q-values after update: [[1.0046742 1.0245965]]

Designated Priority: 1

Q-values before update: [[1.0015491 1.019573 ]]

Q-values after update: [[1.0013349 1.0207368]]

Designated Priority: 1

Q-values before update: [[0.99941987 1.0161953 ]]

Q-values after update: [[0.99930274 1.0174209 ]]

Designated Priority: 1

Q-values before update: [[0.998492 1.0138106]]

Q-values after update: [[0.9985768 1.0153917]]

Designated Priority: 1

Q-values before update: [[0.99899364 1.0130092 ]]

Q-values after update: [[0.9994528 1.0153512]]

Designated Priority: 1

Q-values before update: [[1.0018123 1.0159152]]

Q-values after update: [[1.0027245 1.0191491]]

Designated Priority: 1

Q-values before update: [[1.0058638 1.0187814]]

Q-values after update: [[1.0073649 1.023138 ]]

Designated Priority: 1

Q-values before update: [[1.0092177 1.0180051]]

Q-values after update: [[1.0118036 1.024365 ]]

Designated Priority: 1

Q-values before update: [[1.015095 1.0180683]]

Q-values after update: [[1.0194243 1.0275748]]

Designated Priority: 3

Q-values before update: [[1.0241361 1.0200819]]

Q-values after update: [[1.0190883 1.0226506]]

Episode 22 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [ 0.20790759 1.5911031 -0.2638646 -2.5390718 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[0.99458253 1.0391874 ]]

Q-values after update: [[0.99208915 1.0408123 ]]

Designated Priority: 1

Q-values before update: [[0.9895331 1.0368675]]

Q-values after update: [[0.9869436 1.0375187]]

Designated Priority: 1

Q-values before update: [[0.9853586 1.0343823]]

Q-values after update: [[0.9827652 1.034441 ]]

Designated Priority: 1

Q-values before update: [[0.9822226 1.0316756]]

Q-values after update: [[0.97971994 1.0314728 ]]

Designated Priority: 1

Q-values before update: [[0.9801017 1.0295566]]

Q-values after update: [[0.97778356 1.0293918 ]]

Designated Priority: 1

Q-values before update: [[0.98009396 1.030793 ]]

Q-values after update: [[0.97804093 1.0309606 ]]

Designated Priority: 1

Q-values before update: [[0.98231083 1.0336593 ]]

Q-values after update: [[0.9805232 1.034158 ]]

Designated Priority: 1

Q-values before update: [[0.9817107 1.030871 ]]

Q-values after update: [[0.9804087 1.0322123]]

Designated Priority: 1

Q-values before update: [[0.9817669 1.0274262]]

Q-values after update: [[0.9813455 1.0305021]]

Designated Priority: 1

Q-values before update: [[0.98216724 1.0207572 ]]

Q-values after update: [[0.98352337 1.0273328 ]]

Designated Priority: 3

Q-values before update: [[0.9842309 1.0174167]]

Q-values after update: [[0.9791876 1.0113367]]

Episode 23 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [ 0.17909127 2.1801114 -0.26683465 -3.316522 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[0.98197174 1.0522758 ]]

Q-values after update: [[0.98182255 1.0520592 ]]

Designated Priority: 1

Q-values before update: [[0.9857518 1.0565479]]

Q-values after update: [[0.98514616 1.0546495 ]]

Designated Priority: 1

Q-values before update: [[0.9802812 1.0493001]]

Q-values after update: [[0.9792079 1.0461339]]

Designated Priority: 1

Q-values before update: [[0.9759164 1.0419744]]

Q-values after update: [[0.9756882 1.0393658]]

Designated Priority: 1

Q-values before update: [[0.9802426 1.044702 ]]

Q-values after update: [[0.98116386 1.0428096 ]]

Designated Priority: 1

Q-values before update: [[0.9853655 1.0475479]]

Q-values after update: [[0.9857428 1.0444295]]

Designated Priority: 1

Q-values before update: [[0.9805877 1.0388117]]

Q-values after update: [[0.98057914 1.0349442 ]]

Designated Priority: 1

Q-values before update: [[0.97699505 1.0305376 ]]

Q-values after update: [[0.976748 1.026453]]

Designated Priority: 1

Q-values before update: [[0.97417897 1.022564 ]]

Q-values after update: [[0.9738736 1.018759 ]]

Designated Priority: 1

Q-values before update: [[0.97236276 1.0158107 ]]

Q-values after update: [[0.9721657 1.0126945]]

Designated Priority: 1

Q-values before update: [[0.971923 1.0121154]]

Q-values after update: [[0.9719955 1.0100387]]

Designated Priority: 1

Q-values before update: [[0.9731102 1.0104775]]

Q-values after update: [[0.97363245 1.0097814 ]]

Designated Priority: 1

Q-values before update: [[0.97514164 1.0093881 ]]

Q-values after update: [[0.9763886 1.0105252]]

Designated Priority: 1

Q-values before update: [[0.9759173 1.0058086]]

Q-values after update: [[0.97838354 1.0096614 ]]

Designated Priority: 1

Q-values before update: [[0.9764279 0.99892104]]

Q-values after update: [[0.9812741 1.007735 ]]

Designated Priority: 3

Q-values before update: [[0.9753458 0.9896139]]

Q-values after update: [[0.9834302 1.0045868]]

Episode 24 out of total 100, Total Reward: 16.0, Epsilon: 0.75, Current State: [ 0.14622086 1.9379853 -0.24756761 -3.075867 ], Steps Taken: 16

Designated Priority: 1

Q-values before update: [[0.9972775 1.0399394]]

Q-values after update: [[0.9995446 1.044383 ]]

Designated Priority: 1

Q-values before update: [[1.0024889 1.0475317]]

Q-values after update: [[1.0036128 1.0493777]]

Designated Priority: 1

Q-values before update: [[1.0002915 1.0461352]]

Q-values after update: [[1.001197 1.0468445]]

Designated Priority: 1

Q-values before update: [[0.9994973 1.0451859]]

Q-values after update: [[1.0002317 1.0452654]]

Designated Priority: 1

Q-values before update: [[1.0006706 1.047208 ]]

Q-values after update: [[1.0012339 1.046663 ]]

Designated Priority: 1

Q-values before update: [[1.0030571 1.0501409]]

Q-values after update: [[1.0034186 1.049021 ]]

Designated Priority: 1

Q-values before update: [[1.0065918 1.0539997]]

Q-values after update: [[1.0066987 1.0522934]]

Designated Priority: 1

Q-values before update: [[1.0121758 1.0586976]]

Q-values after update: [[1.0119493 1.0563382]]

Designated Priority: 1

Q-values before update: [[1.0165977 1.0614853]]

Q-values after update: [[1.0176061 1.0603018]]

Designated Priority: 3

Q-values before update: [[1.0259252 1.069156 ]]

Q-values after update: [[1.0174531 1.0476515]]

Episode 25 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [ 0.1280675 1.2232785 -0.21791157 -2.0534196 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[0.9838214 1.0100124]]

Q-values after update: [[0.9802266 0.99750644]]

Designated Priority: 1

Q-values before update: [[0.97812265 0.99540704]]

Q-values after update: [[0.9747436 0.9843639]]

Designated Priority: 1

Q-values before update: [[0.9732933 0.9825311]]

Q-values after update: [[0.97092414 0.9726219 ]]

Designated Priority: 1

Q-values before update: [[0.9754907 0.9771738]]

Q-values after update: [[0.9739783 0.9697119]]

Designated Priority: 1

Q-values before update: [[0.97190666 0.96701896]]

Q-values after update: [[0.9712955 0.9603956]]

Designated Priority: 1

Q-values before update: [[0.9762337 0.9655365]]

Q-values after update: [[0.9763372 0.9612162]]

Designated Priority: 1

Q-values before update: [[0.97381854 0.9578563 ]]

Q-values after update: [[0.9743999 0.95558405]]

Designated Priority: 1

Q-values before update: [[0.9727031 0.95253205]]

Q-values after update: [[0.9742363 0.9507654]]

Designated Priority: 1

Q-values before update: [[0.9804288 0.9573029]]

Q-values after update: [[0.98260725 0.95608306]]

Designated Priority: 1

Q-values before update: [[0.9878973 0.9619746]]

Q-values after update: [[0.9904206 0.9611414]]

Designated Priority: 1

Q-values before update: [[0.994858 0.96604615]]

Q-values after update: [[0.9977831 0.96559143]]

Designated Priority: 1

Q-values before update: [[1.0013775 0.969761 ]]

Q-values after update: [[1.0048673 0.96971303]]

Designated Priority: 1

Q-values before update: [[1.0082395 0.97359186]]

Q-values after update: [[1.0119196 0.97505236]]

Designated Priority: 1

Q-values before update: [[1.0054328 0.968855 ]]

Q-values after update: [[1.0090895 0.97115684]]

Designated Priority: 1

Q-values before update: [[1.0040828 0.9659047]]

Q-values after update: [[1.007769 0.9680464]]

Designated Priority: 1

Q-values before update: [[1.011884 0.972777]]

Q-values after update: [[1.0159293 0.9750368]]

Designated Priority: 1

Q-values before update: [[1.0193543 0.9792432]]

Q-values after update: [[1.0237554 0.9816191]]

Designated Priority: 1

Q-values before update: [[1.0269247 0.98552716]]

Q-values after update: [[1.0318828 0.9881259]]

Designated Priority: 1

Q-values before update: [[1.034257 0.9914614]]

Q-values after update: [[1.0399649 0.99439585]]

Designated Priority: 1

Q-values before update: [[1.0401579 0.99905324]]

Q-values after update: [[1.0469313 1.0024817]]

Designated Priority: 1

Q-values before update: [[1.0378516 1.005031 ]]

Q-values after update: [[1.0465815 1.0094366]]

Designated Priority: 1

Q-values before update: [[1.0306772 1.0098097]]

Q-values after update: [[1.0426298 1.0159268]]

Designated Priority: 1

Q-values before update: [[1.0254089 1.0157075]]

Q-values after update: [[1.0421824 1.024529 ]]

Designated Priority: 3

Q-values before update: [[1.0239408 1.0238589]]

Q-values after update: [[1.0310409 1.0275466]]

Episode 26 out of total 100, Total Reward: 24.0, Epsilon: 0.75, Current State: [-0.18324879 -1.9830221 0.21793425 2.9586763 ], Steps Taken: 24

Designated Priority: 1

Q-values before update: [[1.0675302 0.9952083]]

Q-values after update: [[1.0706768 0.9966011]]

Designated Priority: 1

Q-values before update: [[1.07692 1.0032294]]

Q-values after update: [[1.0799345 1.004693 ]]

Designated Priority: 1

Q-values before update: [[1.0721799 0.9970363]]

Q-values after update: [[1.0728343 0.997518 ]]

Designated Priority: 1

Q-values before update: [[1.0794384 1.0044595]]

Q-values after update: [[1.0784812 1.0043647]]

Designated Priority: 1

Q-values before update: [[1.0848353 1.0110099]]

Q-values after update: [[1.0842326 1.0112435]]

Designated Priority: 1

Q-values before update: [[1.0746194 1.0023236]]

Q-values after update: [[1.0739719 1.002586 ]]

Designated Priority: 1

Q-values before update: [[1.066098 0.9947617]]

Q-values after update: [[1.0638552 0.99433225]]

Designated Priority: 1

Q-values before update: [[1.0709348 1.00173 ]]

Q-values after update: [[1.0677918 1.0009642]]

Designated Priority: 1

Q-values before update: [[1.0748131 1.0081514]]

Q-values after update: [[1.0710566 1.00714 ]]

Designated Priority: 1

Q-values before update: [[1.0771364 1.0136571]]

Q-values after update: [[1.0729423 1.0124311]]

Designated Priority: 1

Q-values before update: [[1.0781176 1.0184448]]

Q-values after update: [[1.0738518 1.0171373]]

Designated Priority: 1

Q-values before update: [[1.0770769 1.0237596]]

Q-values after update: [[1.0732323 1.0225719]]

Designated Priority: 1

Q-values before update: [[1.0688874 1.0284737]]

Q-values after update: [[1.0663846 1.0293422]]

Designated Priority: 1

Q-values before update: [[1.0607586 1.0159272]]

Q-values after update: [[1.0591761 1.0169423]]

Designated Priority: 1

Q-values before update: [[1.0486976 1.0199448]]

Q-values after update: [[1.0495031 1.022006 ]]

Designated Priority: 1

Q-values before update: [[1.0359156 1.0248536]]

Q-values after update: [[1.0385748 1.0302074]]

Designated Priority: 3

Q-values before update: [[1.031251 1.0156176]]

Q-values after update: [[1.0254104 1.0161542]]

Episode 27 out of total 100, Total Reward: 17.0, Epsilon: 0.75, Current State: [-0.1684153 -1.4132932 0.2195453 2.1060598], Steps Taken: 17

Designated Priority: 1

Q-values before update: [[1.0291402 0.98815596]]

Q-values after update: [[1.0243218 0.9885521]]

Designated Priority: 1

Q-values before update: [[1.0325031 0.9969915]]

Q-values after update: [[1.0275624 0.9971453]]

Designated Priority: 1

Q-values before update: [[1.0346557 1.0048246]]

Q-values after update: [[1.0298564 1.0048425]]

Designated Priority: 1

Q-values before update: [[1.0359024 1.0117781]]

Q-values after update: [[1.0315447 1.0117912]]

Designated Priority: 1

Q-values before update: [[1.0367515 1.0181599]]

Q-values after update: [[1.0331706 1.01837 ]]

Designated Priority: 1

Q-values before update: [[1.0280621 1.0245249]]

Q-values after update: [[1.0259602 1.0253278]]

Designated Priority: 1

Q-values before update: [[1.0129087 1.0288755]]

Q-values after update: [[1.0115547 1.0308282]]

Designated Priority: 1

Q-values before update: [[1.0060819 1.0165627]]

Q-values after update: [[1.0073801 1.0194191]]

Designated Priority: 3

Q-values before update: [[0.9939774 1.0233885]]

Q-values after update: [[0.9922651 1.0198728]]

Episode 28 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.12296425 -0.97277486 0.23206002 1.7421622 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[0.99949086 0.9884772 ]]

Q-values after update: [[0.99900544 0.98656785]]

Designated Priority: 1

Q-values before update: [[1.0068883 0.99508584]]

Q-values after update: [[1.0069052 0.9934512]]

Designated Priority: 1

Q-values before update: [[1.0137439 1.0010954]]

Q-values after update: [[1.0143528 0.99978083]]

Designated Priority: 1

Q-values before update: [[1.0202004 1.0065978]]

Q-values after update: [[1.0215468 1.0056838]]

Designated Priority: 1

Q-values before update: [[1.0264604 1.0117222]]

Q-values after update: [[1.0287503 1.0113332]]

Designated Priority: 1

Q-values before update: [[1.0229967 1.0165124]]

Q-values after update: [[1.0270444 1.0169632]]

Designated Priority: 1

Q-values before update: [[1.0138403 1.0200337]]

Q-values after update: [[1.018632 1.0225878]]

Designated Priority: 1

Q-values before update: [[1.0127068 1.0085329]]

Q-values after update: [[1.0195664 1.011999 ]]

Designated Priority: 3

Q-values before update: [[1.006369 1.0155704]]

Q-values after update: [[1.0107863 1.0147444]]

Episode 29 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.16286609 -0.9843166 0.24170908 1.7526435 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0166371 0.98469317]]

Q-values after update: [[1.0197932 0.98402745]]

Designated Priority: 1

Q-values before update: [[1.0286415 0.9929307]]

Q-values after update: [[1.031508 0.99231654]]

Designated Priority: 1

Q-values before update: [[1.0394378 1.0004584]]

Q-values after update: [[1.0419984 0.9998747]]

Designated Priority: 1

Q-values before update: [[1.0490305 1.0072773]]

Q-values after update: [[1.0513284 1.0067263]]

Designated Priority: 1

Q-values before update: [[1.0574816 1.0134073]]

Q-values after update: [[1.0596234 1.0129211]]

Designated Priority: 1

Q-values before update: [[1.0604999 1.0188847]]

Q-values after update: [[1.0630162 1.0185899]]

Designated Priority: 1

Q-values before update: [[1.0512476 1.0220705]]

Q-values after update: [[1.0551296 1.0225618]]

Designated Priority: 1

Q-values before update: [[1.0419134 1.0252011]]

Q-values after update: [[1.0486431 1.0273144]]

Designated Priority: 3

Q-values before update: [[1.0339969 1.0292126]]

Q-values after update: [[1.0286273 1.0248159]]

Episode 30 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.18472114 -1.7419211 0.25054112 2.8298528 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0404627 0.98398316]]

Q-values after update: [[1.0381008 0.98239446]]

Designated Priority: 1

Q-values before update: [[1.0470046 0.9909648]]

Q-values after update: [[1.0439205 0.9890449]]

Designated Priority: 1

Q-values before update: [[1.051553 0.9966224]]

Q-values after update: [[1.0480142 0.9944806]]

Designated Priority: 1

Q-values before update: [[1.0544226 1.0010978]]

Q-values after update: [[1.0507389 0.9988592]]

Designated Priority: 1

Q-values before update: [[1.0559665 1.0045433]]

Q-values after update: [[1.0529855 1.0036316]]

Designated Priority: 1

Q-values before update: [[1.0414602 0.9931121]]

Q-values after update: [[1.0391484 0.99248606]]

Designated Priority: 1

Q-values before update: [[1.044242 0.99801666]]

Q-values after update: [[1.0425764 0.9975855]]

Designated Priority: 1

Q-values before update: [[1.041033 1.001035]]

Q-values after update: [[1.0405416 1.0010722]]

Designated Priority: 1

Q-values before update: [[1.026402 1.0025474]]

Q-values after update: [[1.0286393 1.0038664]]

Designated Priority: 1

Q-values before update: [[1.0128939 1.004412 ]]

Q-values after update: [[1.019687 1.0081027]]

Designated Priority: 3

Q-values before update: [[1.0024484 1.0078597]]

Q-values after update: [[1.0075102 1.0088977]]

Episode 31 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.19573463 -1.3331153 0.25475302 2.2464418 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0320356 0.97855693]]

Q-values after update: [[1.0340836 0.97851455]]

Designated Priority: 1

Q-values before update: [[1.0424984 0.98653805]]

Q-values after update: [[1.0437106 0.98629045]]

Designated Priority: 1

Q-values before update: [[1.0512215 0.9936025]]

Q-values after update: [[1.0516737 0.99315155]]

Designated Priority: 1

Q-values before update: [[1.0582849 0.9997542]]

Q-values after update: [[1.0581002 0.99911565]]

Designated Priority: 1

Q-values before update: [[1.0638871 1.0050445]]

Q-values after update: [[1.0632461 1.0042615]]

Designated Priority: 1

Q-values before update: [[1.0645219 1.0089948]]

Q-values after update: [[1.0640184 1.0082204]]

Designated Priority: 1

Q-values before update: [[1.051407 1.0102082]]

Q-values after update: [[1.0520675 1.0100235]]

Designated Priority: 1

Q-values before update: [[1.0377622 1.0111254]]

Q-values after update: [[1.041206 1.0124234]]

Designated Priority: 3

Q-values before update: [[1.0253367 1.0126085]]

Q-values after update: [[1.0200706 1.0091944]]

Episode 32 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.15386753 -1.7172552 0.2416099 2.8505702 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0343071 0.9753459]]

Q-values after update: [[1.0310354 0.97383296]]

Designated Priority: 1

Q-values before update: [[1.0395466 0.98179865]]

Q-values after update: [[1.0357394 0.98002356]]

Designated Priority: 1

Q-values before update: [[1.0430312 0.98704576]]

Q-values after update: [[1.0389649 0.98511744]]

Designated Priority: 1

Q-values before update: [[1.0450842 0.99122417]]

Q-values after update: [[1.0410725 0.98926824]]

Designated Priority: 1

Q-values before update: [[1.0460638 0.9944844]]

Q-values after update: [[1.0424688 0.9926618]]

Designated Priority: 1

Q-values before update: [[1.0460291 0.99724764]]

Q-values after update: [[1.0432206 0.9957402]]

Designated Priority: 1

Q-values before update: [[1.0295706 0.9965811]]

Q-values after update: [[1.0289979 0.99611425]]

Designated Priority: 1

Q-values before update: [[1.0134217 0.9959282]]

Q-values after update: [[1.0168338 0.99749565]]

Designated Priority: 3

Q-values before update: [[0.999628 0.9963534]]

Q-values after update: [[1.003064 0.9979894]]

Episode 33 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.14084005 -1.7186916 0.22012584 2.783789 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0216477 0.9707582]]

Q-values after update: [[1.0226169 0.9709771]]

Designated Priority: 1

Q-values before update: [[1.030554 0.9784774]]

Q-values after update: [[1.0312428 0.9786617]]

Designated Priority: 1

Q-values before update: [[1.0383167 0.9855069]]

Q-values after update: [[1.0393679 0.9866148]]

Designated Priority: 1

Q-values before update: [[1.0289474 0.9771952]]

Q-values after update: [[1.0295222 0.97799325]]

Designated Priority: 1

Q-values before update: [[1.0369804 0.9851431]]

Q-values after update: [[1.0374336 0.98588943]]

Designated Priority: 1

Q-values before update: [[1.0440208 0.9923782]]

Q-values after update: [[1.0444763 0.9931135]]

Designated Priority: 1

Q-values before update: [[1.0502145 0.9989491]]

Q-values after update: [[1.0508423 0.99974334]]

Designated Priority: 1

Q-values before update: [[1.055549 1.005202]]

Q-values after update: [[1.0566101 1.0061388]]

Designated Priority: 1

Q-values before update: [[1.0464058 1.0086756]]

Q-values after update: [[1.0490966 1.0103859]]

Designated Priority: 1

Q-values before update: [[1.0354323 1.0115083]]

Q-values after update: [[1.0410811 1.0147495]]

Designated Priority: 3

Q-values before update: [[1.0259731 1.0150642]]

Q-values after update: [[1.0286782 1.0133681]]

Episode 34 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.14677136 -1.3605891 0.22149561 2.2236593 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.023561 0.96906716]]

Q-values after update: [[1.0248482 0.9678035]]

Designated Priority: 1

Q-values before update: [[1.0345428 0.9765769]]

Q-values after update: [[1.0354066 0.975285 ]]

Designated Priority: 1

Q-values before update: [[1.0440924 0.98322225]]

Q-values after update: [[1.0445626 0.98189825]]

Designated Priority: 1

Q-values before update: [[1.0522624 0.9890194]]

Q-values after update: [[1.0524108 0.98767394]]

Designated Priority: 1

Q-values before update: [[1.0591431 0.99399257]]

Q-values after update: [[1.0591102 0.9926683]]

Designated Priority: 1

Q-values before update: [[1.0611019 0.99675363]]

Q-values after update: [[1.0614395 0.995613 ]]

Designated Priority: 1

Q-values before update: [[1.0504236 0.99693304]]

Q-values after update: [[1.0522135 0.99654275]]

Designated Priority: 3

Q-values before update: [[1.0389612 0.9974402]]

Q-values after update: [[1.0289297 0.9909366]]

Episode 35 out of total 100, Total Reward: 8.0, Epsilon: 0.75, Current State: [-0.11839491 -1.6165385 0.22305876 2.5484538 ], Steps Taken: 8

Designated Priority: 1

Q-values before update: [[1.0237597 0.95810145]]

Q-values after update: [[1.0184634 0.95542204]]

Designated Priority: 1

Q-values before update: [[1.027523 0.9633037]]

Q-values after update: [[1.0218782 0.96037483]]

Designated Priority: 1

Q-values before update: [[1.0296116 0.9673099]]

Q-values after update: [[1.023909 0.96426654]]

Designated Priority: 1

Q-values before update: [[1.0303657 0.970147 ]]

Q-values after update: [[1.0249603 0.967147 ]]

Designated Priority: 1

Q-values before update: [[1.0301634 0.97211814]]

Q-values after update: [[1.0254567 0.96935904]]

Designated Priority: 1

Q-values before update: [[1.0236442 0.96978253]]

Q-values after update: [[1.0200814 0.9695923]]

Designated Priority: 1

Q-values before update: [[1.0137571 0.96206176]]

Q-values after update: [[1.0119158 0.96244097]]

Designated Priority: 1

Q-values before update: [[1.0014441 0.9586001]]

Q-values after update: [[1.001859 0.95990956]]

Designated Priority: 3

Q-values before update: [[0.9863294 0.9589286]]

Q-values after update: [[0.990121 0.9618188]]

Episode 36 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.07352837 -1.3720309 0.23251957 2.2780128 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0027832 0.957481 ]]

Q-values after update: [[1.0054177 0.95925736]]

Designated Priority: 1

Q-values before update: [[1.0126067 0.96575797]]

Q-values after update: [[1.0157844 0.96773136]]

Designated Priority: 1

Q-values before update: [[1.0221243 0.9735886]]

Q-values after update: [[1.0258734 0.9757774]]

Designated Priority: 1

Q-values before update: [[1.0314 0.9810097]]

Q-values after update: [[1.0357889 0.9834607]]

Designated Priority: 1

Q-values before update: [[1.040543 0.9880912]]

Q-values after update: [[1.045683 0.99088335]]

Designated Priority: 1

Q-values before update: [[1.0497117 0.9949408]]

Q-values after update: [[1.0557535 0.9981865]]

Designated Priority: 1

Q-values before update: [[1.0482594 1.0003797]]

Q-values after update: [[1.0562861 1.0046606]]

Designated Priority: 1

Q-values before update: [[1.0418414 1.0036665]]

Q-values after update: [[1.0530704 1.0096648]]

Designated Priority: 1

Q-values before update: [[1.0369561 1.008302 ]]

Q-values after update: [[1.0531651 1.0171367]]

Designated Priority: 3

Q-values before update: [[1.0363125 1.0154463]]

Q-values after update: [[1.0370306 1.0155878]]

Episode 37 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.22521025 -1.9976916 0.25524372 3.113565 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0488833 0.9773853]]

Q-values after update: [[1.0495697 0.9778812]]

Designated Priority: 1

Q-values before update: [[1.0594021 0.9864726]]

Q-values after update: [[1.0601684 0.9873753]]

Designated Priority: 1

Q-values before update: [[1.0492374 0.97792524]]

Q-values after update: [[1.050306 0.97975874]]

Designated Priority: 1

Q-values before update: [[1.0406761 0.9713254]]

Q-values after update: [[1.0403509 0.97249687]]

Designated Priority: 1

Q-values before update: [[1.0510753 0.98173106]]

Q-values after update: [[1.0494802 0.98230976]]

Designated Priority: 1

Q-values before update: [[1.0591621 0.99082315]]

Q-values after update: [[1.0564024 0.9908402]]

Designated Priority: 1

Q-values before update: [[1.0650485 0.99864495]]

Q-values after update: [[1.061315 0.99814576]]

Designated Priority: 1

Q-values before update: [[1.0688062 1.0050454]]

Q-values after update: [[1.0643642 1.0041156]]

Designated Priority: 1

Q-values before update: [[1.0706785 1.010131 ]]

Q-values after update: [[1.0669758 1.010118 ]]

Designated Priority: 1

Q-values before update: [[1.0532408 0.9980323]]

Q-values after update: [[1.0495889 0.9978693]]

Designated Priority: 1

Q-values before update: [[1.0559704 1.0038462]]

Q-values after update: [[1.052503 1.0036083]]

Designated Priority: 1

Q-values before update: [[1.0504265 1.0051453]]

Q-values after update: [[1.0478613 1.0051994]]

Designated Priority: 1

Q-values before update: [[1.0341552 1.0054581]]

Q-values after update: [[1.0340681 1.0066326]]

Designated Priority: 3

Q-values before update: [[1.0184178 1.0058084]]

Q-values after update: [[1.0127394 1.0038772]]

Episode 38 out of total 100, Total Reward: 14.0, Epsilon: 0.75, Current State: [-0.12892953 -1.6018625 0.23624429 2.6030219 ], Steps Taken: 14

Designated Priority: 1

Q-values before update: [[1.0235993 0.9841516]]

Q-values after update: [[1.0202231 0.9836433]]

Designated Priority: 1

Q-values before update: [[1.0288984 0.99159306]]

Q-values after update: [[1.0258206 0.9913573]]

Designated Priority: 1

Q-values before update: [[1.0161116 0.9826894]]

Q-values after update: [[1.0138147 0.983504 ]]

Designated Priority: 1

Q-values before update: [[1.005592 0.975701]]

Q-values after update: [[1.0035204 0.97646856]]

Designated Priority: 1

Q-values before update: [[1.0126643 0.9851363]]

Q-values after update: [[1.010927 0.9858469]]

Designated Priority: 1

Q-values before update: [[1.019104 0.99347806]]

Q-values after update: [[1.0178474 0.9942044]]

Designated Priority: 1

Q-values before update: [[1.0248917 1.0009419]]

Q-values after update: [[1.0242503 1.001761 ]]

Designated Priority: 1

Q-values before update: [[1.0302212 1.0076387]]

Q-values after update: [[1.0303967 1.0086665]]

Designated Priority: 1

Q-values before update: [[1.0354316 1.0138389]]

Q-values after update: [[1.0360726 1.0159926]]

Designated Priority: 1

Q-values before update: [[1.0239593 1.0051761]]

Q-values after update: [[1.0256076 1.0075163]]

Designated Priority: 1

Q-values before update: [[1.030832 1.0127728]]

Q-values after update: [[1.0336862 1.0155189]]

Designated Priority: 1

Q-values before update: [[1.0380018 1.0200326]]

Q-values after update: [[1.0422668 1.0233579]]

Designated Priority: 1

Q-values before update: [[1.0331349 1.0244551]]

Q-values after update: [[1.0398539 1.0289679]]

Designated Priority: 1

Q-values before update: [[1.0240688 1.0272701]]

Q-values after update: [[1.0349555 1.0339856]]

Designated Priority: 3

Q-values before update: [[1.0172889 1.0318086]]

Q-values after update: [[1.0215125 1.0274565]]

Episode 39 out of total 100, Total Reward: 15.0, Epsilon: 0.75, Current State: [-0.18321905 -1.3933101 0.21664019 2.1322868 ], Steps Taken: 15

Designated Priority: 1

Q-values before update: [[1.0326017 0.9986908]]

Q-values after update: [[1.0355861 0.9963204]]

Designated Priority: 1

Q-values before update: [[1.0448121 1.0045514]]

Q-values after update: [[1.0475177 1.0023105]]

Designated Priority: 1

Q-values before update: [[1.0374589 0.99351037]]

Q-values after update: [[1.0388047 0.991182 ]]

Designated Priority: 1

Q-values before update: [[1.0480692 0.99920386]]

Q-values after update: [[1.0481708 0.99659514]]

Designated Priority: 1

Q-values before update: [[1.0564764 1.0038836]]

Q-values after update: [[1.0554556 1.0009984]]

Designated Priority: 1

Q-values before update: [[1.0626037 1.0072587]]

Q-values after update: [[1.061754 1.0048472]]

Designated Priority: 1

Q-values before update: [[1.049433 0.99438214]]

Q-values after update: [[1.0478866 0.99197805]]

Designated Priority: 1

Q-values before update: [[1.055063 0.998068]]

Q-values after update: [[1.0529339 0.99552 ]]

Designated Priority: 1

Q-values before update: [[1.0589314 1.0005772]]

Q-values after update: [[1.0564777 0.9979725]]

Designated Priority: 1

Q-values before update: [[1.0584772 1.0001553]]

Q-values after update: [[1.0561342 0.99767184]]

Designated Priority: 1

Q-values before update: [[1.0428905 0.99321246]]

Q-values after update: [[1.0421724 0.9914826]]

Designated Priority: 1

Q-values before update: [[1.0251275 0.9876176]]

Q-values after update: [[1.0277743 0.9877049]]

Designated Priority: 3

Q-values before update: [[1.0091083 0.982898 ]]

Q-values after update: [[1.0085747 0.98131686]]

Episode 40 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [-0.1292848 -1.7369756 0.25535437 2.8426375 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[1.0323981 0.97728777]]

Q-values after update: [[1.0314186 0.9761356]]

Designated Priority: 1

Q-values before update: [[1.0399277 0.9829892]]

Q-values after update: [[1.0386806 0.98178184]]

Designated Priority: 1

Q-values before update: [[1.046099 0.9877539]]

Q-values after update: [[1.0453963 0.9877996]]

Designated Priority: 1

Q-values before update: [[1.0345474 0.9792719]]

Q-values after update: [[1.0337948 0.9792733]]

Designated Priority: 1

Q-values before update: [[1.0413655 0.9853196]]

Q-values after update: [[1.0406972 0.9853163]]

Designated Priority: 1

Q-values before update: [[1.0472184 0.99051416]]

Q-values after update: [[1.0468196 0.9905869]]

Designated Priority: 1

Q-values before update: [[1.0524263 0.99509776]]

Q-values after update: [[1.0525198 0.9953558]]

Designated Priority: 1

Q-values before update: [[1.0572754 0.9992329]]

Q-values after update: [[1.0581454 0.99983865]]

Designated Priority: 1

Q-values before update: [[1.0553952 1.000098 ]]

Q-values after update: [[1.0579135 1.0014954]]

Designated Priority: 1

Q-values before update: [[1.0427814 0.99697244]]

Q-values after update: [[1.048493 1.0000949]]

Designated Priority: 1

Q-values before update: [[1.0312104 0.99486816]]

Q-values after update: [[1.0420781 1.0007849]]

Designated Priority: 3

Q-values before update: [[1.0231936 0.99536955]]

Q-values after update: [[1.0244985 0.99589515]]

Episode 41 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [-0.20967643 -1.9581225 0.24426018 3.0317328 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[1.029656 0.9711137]]

Q-values after update: [[1.0301864 0.9713907]]

Designated Priority: 1

Q-values before update: [[1.0400686 0.9790504]]

Q-values after update: [[1.0400071 0.97909474]]

Designated Priority: 1

Q-values before update: [[1.048761 0.98584867]]

Q-values after update: [[1.0481982 0.9857173]]

Designated Priority: 1

Q-values before update: [[1.0561244 0.9919902]]

Q-values after update: [[1.0551411 0.9916635]]

Designated Priority: 1

Q-values before update: [[1.0619411 0.9969888]]

Q-values after update: [[1.0607234 0.9965304]]

Designated Priority: 1

Q-values before update: [[1.0631747 0.9987288]]

Q-values after update: [[1.0621946 0.99836385]]

Designated Priority: 1

Q-values before update: [[1.0499886 0.99334264]]

Q-values after update: [[1.0506073 0.99376225]]

Designated Priority: 3

Q-values before update: [[1.0343508 0.98981434]]

Q-values after update: [[1.0242382 0.9844012]]

Episode 42 out of total 100, Total Reward: 8.0, Epsilon: 0.75, Current State: [-0.13808963 -1.5737294 0.22004065 2.5642626 ], Steps Taken: 8

Designated Priority: 1

Q-values before update: [[1.0247271 0.9703367]]

Q-values after update: [[1.0193026 0.96836007]]

Designated Priority: 1

Q-values before update: [[1.0285372 0.97561157]]

Q-values after update: [[1.0228798 0.97339666]]

Designated Priority: 1

Q-values before update: [[1.0307592 0.9796637]]

Q-values after update: [[1.025171 0.9773271]]

Designated Priority: 1

Q-values before update: [[1.0315803 0.982371 ]]

Q-values after update: [[1.0267503 0.981246 ]]

Designated Priority: 1

Q-values before update: [[1.0154483 0.97195333]]

Q-values after update: [[1.0116659 0.9712375]]

Designated Priority: 1

Q-values before update: [[1.0176338 0.9758562]]

Q-values after update: [[1.014652 0.9753058]]

Designated Priority: 1

Q-values before update: [[1.019289 0.9787923]]

Q-values after update: [[1.0172575 0.9800958]]

Designated Priority: 1

Q-values before update: [[1.0053841 0.9701002]]

Q-values after update: [[1.0047631 0.9717819]]

Designated Priority: 1

Q-values before update: [[1.0092908 0.97511894]]

Q-values after update: [[1.0100049 0.9771836]]

Designated Priority: 1

Q-values before update: [[0.99750376 0.96906626]]

Q-values after update: [[0.9997734 0.97419804]]

Designated Priority: 3

Q-values before update: [[0.9925468 0.966753 ]]

Q-values after update: [[0.99796325 0.9783261 ]]

Episode 43 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.10419533 -0.5650788 0.21850762 1.147026 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0065463 0.9879904]]

Q-values after update: [[1.0099375 0.99654686]]

Designated Priority: 1

Q-values before update: [[1.0183035 1.0038431]]

Q-values after update: [[1.0216161 1.0118308]]

Designated Priority: 1

Q-values before update: [[1.0118434 1.0033407]]

Q-values after update: [[1.0149003 1.0103643]]

Designated Priority: 1

Q-values before update: [[1.0238414 1.0183885]]

Q-values after update: [[1.0271437 1.0251703]]

Designated Priority: 1

Q-values before update: [[1.0351961 1.0325396]]

Q-values after update: [[1.0382385 1.0385494]]

Designated Priority: 1

Q-values before update: [[1.0267563 1.0282496]]

Q-values after update: [[1.028927 1.0323523]]

Designated Priority: 1

Q-values before update: [[1.0184699 1.0228407]]

Q-values after update: [[1.0201061 1.025884 ]]

Designated Priority: 1

Q-values before update: [[1.0107787 1.0172179]]

Q-values after update: [[1.0120827 1.0197362]]

Designated Priority: 1

Q-values before update: [[1.0043571 1.0113847]]

Q-values after update: [[1.0055053 1.0138133]]

Designated Priority: 1

Q-values before update: [[0.9990995 1.0067635]]

Q-values after update: [[1.0003747 1.0096685]]

Designated Priority: 1

Q-values before update: [[0.99635446 1.0039529 ]]

Q-values after update: [[0.9984 1.0069289]]

Designated Priority: 1

Q-values before update: [[1.0099256 1.0188854]]

Q-values after update: [[1.0119734 1.022028 ]]

Designated Priority: 1

Q-values before update: [[1.0074486 1.0153852]]

Q-values after update: [[1.0096276 1.0190002]]

Designated Priority: 1

Q-values before update: [[1.006278 1.0132105]]

Q-values after update: [[1.0088676 1.0178008]]

Designated Priority: 1

Q-values before update: [[1.0060632 1.0138881]]

Q-values after update: [[1.0092927 1.0198336]]

Designated Priority: 3

Q-values before update: [[1.0050387 1.0135882]]

Q-values after update: [[1.0066609 1.0182123]]

Episode 44 out of total 100, Total Reward: 16.0, Epsilon: 0.75, Current State: [ 0.08295035 1.1758829 -0.22918607 -2.0394084 ], Steps Taken: 16

Designated Priority: 1

Q-values before update: [[1.0441604 1.0634046]]

Q-values after update: [[1.0446535 1.0649818]]

Designated Priority: 1

Q-values before update: [[1.0347315 1.0556259]]

Q-values after update: [[1.0345466 1.0553055]]

Designated Priority: 1

Q-values before update: [[1.0263233 1.0463715]]

Q-values after update: [[1.0257245 1.0449338]]

Designated Priority: 1

Q-values before update: [[1.0190557 1.0374746]]

Q-values after update: [[1.0183203 1.0356656]]

Designated Priority: 1

Q-values before update: [[1.0134174 1.0292959]]

Q-values after update: [[1.0127265 1.0276439]]

Designated Priority: 1

Q-values before update: [[1.0100129 1.0226893]]

Q-values after update: [[1.0096722 1.0218331]]

Designated Priority: 1

Q-values before update: [[1.0081974 1.0184667]]

Q-values after update: [[1.0084949 1.0190079]]

Designated Priority: 1

Q-values before update: [[1.0041963 1.0128276]]

Q-values after update: [[1.0057168 1.0156893]]

Designated Priority: 3

Q-values before update: [[1.0005032 1.006805 ]]

Q-values after update: [[1.0005571 1.0069382]]

Episode 45 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [ 0.13402183 1.8126069 -0.2559772 -2.8933089 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0455574 1.0615268]]

Q-values after update: [[1.0446712 1.0591731]]

Designated Priority: 1

Q-values before update: [[1.0348016 1.0500522]]

Q-values after update: [[1.0334679 1.0464642]]

Designated Priority: 1

Q-values before update: [[1.025274 1.0378747]]

Q-values after update: [[1.0238955 1.0340283]]

Designated Priority: 1

Q-values before update: [[1.0174508 1.0271013]]

Q-values after update: [[1.0161347 1.0234947]]

Designated Priority: 1

Q-values before update: [[1.0108519 1.0174079]]

Q-values after update: [[1.0098748 1.0146742]]

Designated Priority: 1

Q-values before update: [[1.0069895 1.0096955]]

Q-values after update: [[1.0066892 1.0084893]]

Designated Priority: 1

Q-values before update: [[1.0052713 1.0056975]]

Q-values after update: [[1.0059521 1.0065868]]

Designated Priority: 1

Q-values before update: [[1.0015011 1.0004171]]

Q-values after update: [[1.0040784 1.0024858]]

Designated Priority: 3

Q-values before update: [[1.017702 1.0162153]]

Q-values after update: [[1.0152221 1.0151085]]

Episode 46 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [ 0.15332869 1.0349609 -0.2417461 -1.7107989 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.028887 1.0361974]]

Q-values after update: [[1.0267415 1.0342941]]

Designated Priority: 1

Q-values before update: [[1.0181823 1.0266877]]

Q-values after update: [[1.0160322 1.0244362]]

Designated Priority: 1

Q-values before update: [[1.0089668 1.0177134]]

Q-values after update: [[1.0070124 1.0156965]]

Designated Priority: 1

Q-values before update: [[1.0009325 1.0094178]]

Q-values after update: [[0.99935853 1.0081179 ]]

Designated Priority: 1

Q-values before update: [[0.9961758 1.0043657]]

Q-values after update: [[0.9952143 1.0042613]]

Designated Priority: 1

Q-values before update: [[0.99345714 1.0010239 ]]

Q-values after update: [[0.9932877 1.0024787]]

Designated Priority: 1

Q-values before update: [[0.9921669 1.0003998]]

Q-values after update: [[0.9930259 1.0038751]]

Designated Priority: 1

Q-values before update: [[0.99005485 0.99979746]]

Q-values after update: [[0.99238575 1.0059428 ]]

Designated Priority: 3

Q-values before update: [[0.9877231 0.99846935]]

Q-values after update: [[0.99036735 1.0049219 ]]

Episode 47 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [ 0.0950929 1.7738895 -0.21986473 -2.8069046 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0165331 1.034056 ]]

Q-values after update: [[1.0171198 1.037207 ]]

Designated Priority: 1

Q-values before update: [[1.0258592 1.0446346]]

Q-values after update: [[1.025718 1.0459117]]

Designated Priority: 1

Q-values before update: [[1.0163615 1.0378349]]

Q-values after update: [[1.0160704 1.0382185]]

Designated Priority: 1

Q-values before update: [[1.0088058 1.032196 ]]

Q-values after update: [[1.0087404 1.0327885]]

Designated Priority: 1

Q-values before update: [[1.0170212 1.0393784]]

Q-values after update: [[1.0164039 1.0386058]]

Designated Priority: 1

Q-values before update: [[1.0092647 1.0328367]]

Q-values after update: [[1.008574 1.0314902]]

Designated Priority: 1

Q-values before update: [[1.0029346 1.0269437]]

Q-values after update: [[1.0022979 1.0255482]]

Designated Priority: 1

Q-values before update: [[0.9989799 1.0235612]]

Q-values after update: [[0.9985379 1.0225123]]

Designated Priority: 1

Q-values before update: [[0.9964762 1.021282 ]]

Q-values after update: [[0.9962986 1.0207953]]

Designated Priority: 1

Q-values before update: [[0.995485 1.0201715]]

Q-values after update: [[0.9956837 1.0204875]]

Designated Priority: 1

Q-values before update: [[0.996433 1.0206043]]

Q-values after update: [[0.9971129 1.0219758]]

Designated Priority: 1

Q-values before update: [[0.9985421 1.02356 ]]

Q-values after update: [[0.9998058 1.0260935]]

Designated Priority: 1

Q-values before update: [[0.99991834 1.0253861 ]]

Q-values after update: [[1.0020851 1.0295852]]

Designated Priority: 1

Q-values before update: [[1.0000418 1.0248492]]

Q-values after update: [[1.0035344 1.0314044]]

Designated Priority: 3

Q-values before update: [[1.0005435 1.023851 ]]

Q-values after update: [[0.9972651 1.0180228]]

Episode 48 out of total 100, Total Reward: 15.0, Epsilon: 0.75, Current State: [ 0.16129164 2.095037 -0.24073298 -3.1936734 ], Steps Taken: 15

Designated Priority: 1

Q-values before update: [[1.020057 1.0416158]]

Q-values after update: [[1.0189165 1.03869 ]]

Designated Priority: 1

Q-values before update: [[1.0131763 1.0346614]]

Q-values after update: [[1.0118101 1.0312132]]

Designated Priority: 1

Q-values before update: [[1.007169 1.0278847]]

Q-values after update: [[1.0057576 1.0244315]]

Designated Priority: 1

Q-values before update: [[1.0020425 1.0214907]]

Q-values after update: [[1.0007733 1.0185137]]

Designated Priority: 1

Q-values before update: [[0.99901974 1.0177126 ]]

Q-values after update: [[0.99808407 1.0156133 ]]

Designated Priority: 1

Q-values before update: [[0.9981016 1.0162256]]

Q-values after update: [[0.99766 1.0152856]]

Designated Priority: 1

Q-values before update: [[0.99791765 1.0162898 ]]

Q-values after update: [[0.9981661 1.0168781]]

Designated Priority: 1

Q-values before update: [[0.99616957 1.014345 ]]

Q-values after update: [[0.9974693 1.0170153]]

Designated Priority: 1

Q-values before update: [[0.9923866 1.0069643]]

Q-values after update: [[0.99567616 1.0132535 ]]

Designated Priority: 3

Q-values before update: [[0.9917685 1.0031583]]

Q-values after update: [[0.99424267 1.0076991 ]]

Episode 49 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [ 0.18174346 1.9524918 -0.25723228 -3.1074843 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0207036 1.0358536]]

Q-values after update: [[1.0210115 1.0369256]]

Designated Priority: 1

Q-values before update: [[1.0152093 1.0329684]]

Q-values after update: [[1.0151644 1.0339599]]

Designated Priority: 1

Q-values before update: [[1.0218544 1.0385382]]

Q-values after update: [[1.0212446 1.0380867]]

Designated Priority: 1

Q-values before update: [[1.0157019 1.0344726]]

Q-values after update: [[1.0150826 1.033586 ]]

Designated Priority: 1

Q-values before update: [[1.0110694 1.0311766]]

Q-values after update: [[1.0104537 1.0301166]]

Designated Priority: 1

Q-values before update: [[1.0075738 1.0283145]]

Q-values after update: [[1.0070691 1.027405 ]]

Designated Priority: 1

Q-values before update: [[1.005749 1.0272024]]

Q-values after update: [[1.0054755 1.0267332]]

Designated Priority: 1

Q-values before update: [[1.0060169 1.0290525]]

Q-values after update: [[1.0060244 1.029186 ]]

Designated Priority: 1

Q-values before update: [[1.0078052 1.0321053]]

Q-values after update: [[1.008209 1.033009]]

Designated Priority: 1

Q-values before update: [[1.0065618 1.0310333]]

Q-values after update: [[1.0077848 1.0334435]]

Designated Priority: 3

Q-values before update: [[1.004057 1.0251863]]

Q-values after update: [[0.9995501 1.0166191]]

Episode 50 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [ 0.1997739 1.7990664 -0.21130715 -2.7471418 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0081774 1.0268632]]

Q-values after update: [[1.0066562 1.0228593]]

Designated Priority: 1

Q-values before update: [[1.0019199 1.0200465]]

Q-values after update: [[1.000361 1.0161589]]

Designated Priority: 1

Q-values before update: [[0.99643004 1.013959 ]]

Q-values after update: [[0.99500656 1.0106158 ]]

Designated Priority: 1

Q-values before update: [[0.99276817 1.0097368 ]]

Q-values after update: [[0.99165267 1.0073029 ]]

Designated Priority: 1

Q-values before update: [[0.99109274 1.0077561 ]]

Q-values after update: [[0.99043894 1.0064586 ]]

Designated Priority: 1

Q-values before update: [[0.99110395 1.0077654 ]]

Q-values after update: [[0.99105775 1.0079123 ]]

Designated Priority: 1

Q-values before update: [[0.9920865 1.0095979]]

Q-values after update: [[0.9928549 1.0114713]]

Designated Priority: 1

Q-values before update: [[0.990007 1.0052638]]

Q-values after update: [[0.9920132 1.0094845]]

Designated Priority: 1

Q-values before update: [[0.9864689 0.9977448]]

Q-values after update: [[0.9909886 1.0065176]]

Designated Priority: 3

Q-values before update: [[0.986088 0.9952576]]

Q-values after update: [[0.9918035 1.0059803]]

Episode 51 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [ 0.13297854 1.9167432 -0.24967717 -3.1086285 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0129923 1.0293264]]

Q-values after update: [[1.0144008 1.0333753]]

Designated Priority: 1

Q-values before update: [[1.0101389 1.0311644]]

Q-values after update: [[1.0114526 1.0345604]]

Designated Priority: 1

Q-values before update: [[1.0084039 1.0334607]]

Q-values after update: [[1.0096363 1.0363655]]

Designated Priority: 1

Q-values before update: [[1.0078529 1.0359697]]

Q-values after update: [[1.0090204 1.0384905]]

Designated Priority: 1

Q-values before update: [[1.0095469 1.0408946]]

Q-values after update: [[1.0112015 1.043654 ]]

Designated Priority: 1

Q-values before update: [[1.0174149 1.046623 ]]

Q-values after update: [[1.0184101 1.0479965]]

Designated Priority: 1

Q-values before update: [[1.0178967 1.0497739]]

Q-values after update: [[1.0186018 1.0504405]]

Designated Priority: 1

Q-values before update: [[1.0207946 1.0545311]]

Q-values after update: [[1.0212302 1.0545523]]

Designated Priority: 1

Q-values before update: [[1.0245193 1.059631 ]]

Q-values after update: [[1.0246465 1.0589823]]

Designated Priority: 1

Q-values before update: [[1.0230827 1.0554613]]

Q-values after update: [[1.0233486 1.0551187]]

Designated Priority: 3

Q-values before update: [[1.0208857 1.0475734]]

Q-values after update: [[1.0095098 1.0256717]]

Episode 52 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [ 0.2109691 1.7920394 -0.24978249 -2.8375936 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0154345 1.0350051]]

Q-values after update: [[1.0118964 1.0248357]]

Designated Priority: 1

Q-values before update: [[1.0075991 1.0227292]]

Q-values after update: [[1.0037858 1.0125872]]

Designated Priority: 1

Q-values before update: [[0.9999658 1.0106573]]

Q-values after update: [[0.99618006 1.0012324 ]]

Designated Priority: 1

Q-values before update: [[0.9937998 1.0005141]]

Q-values after update: [[0.9903401 0.992377 ]]

Designated Priority: 1

Q-values before update: [[0.9896486 0.9921004]]

Q-values after update: [[0.9867769 0.9857681]]

Designated Priority: 1

Q-values before update: [[0.98700684 0.98545325]]

Q-values after update: [[0.98548377 0.9800705 ]]

Designated Priority: 1

Q-values before update: [[0.9915569 0.9839639]]

Q-values after update: [[0.9912276 0.97971857]]

Designated Priority: 1

Q-values before update: [[0.9994239 0.9868885]]

Q-values after update: [[0.9996713 0.9833835]]

Designated Priority: 1

Q-values before update: [[1.0082943 0.9903461]]

Q-values after update: [[1.0085098 0.98726934]]

Designated Priority: 1

Q-values before update: [[1.0163714 0.9937829]]

Q-values after update: [[1.0160998 0.990903 ]]

Designated Priority: 1

Q-values before update: [[1.0232333 0.99699056]]

Q-values after update: [[1.0229173 0.99444294]]

Designated Priority: 1

Q-values before update: [[1.0294448 1.001321 ]]

Q-values after update: [[1.0286571 0.9988988]]

Designated Priority: 1

Q-values before update: [[1.0349282 1.0060256]]

Q-values after update: [[1.0342121 1.0039029]]

Designated Priority: 1

Q-values before update: [[1.0399116 1.0107412]]

Q-values after update: [[1.0397878 1.0090946]]

Designated Priority: 1

Q-values before update: [[1.0449355 1.0151858]]

Q-values after update: [[1.0460938 1.0142863]]

Designated Priority: 1

Q-values before update: [[1.0493538 1.0186875]]

Q-values after update: [[1.0531313 1.0193223]]

Designated Priority: 1

Q-values before update: [[1.0553879 1.0224776]]

Q-values after update: [[1.0627434 1.0252427]]

Designated Priority: 1

Q-values before update: [[1.0639799 1.0295422]]

Q-values after update: [[1.0727586 1.0363292]]

Designated Priority: 1

Q-values before update: [[1.0594813 1.021679 ]]

Q-values after update: [[1.0682169 1.0300282]]

Designated Priority: 1

Q-values before update: [[1.054121 1.0175703]]

Q-values after update: [[1.0639617 1.025749 ]]

Designated Priority: 1

Q-values before update: [[1.0704485 1.0322313]]

Q-values after update: [[1.0828482 1.0415523]]

Designated Priority: 1

Q-values before update: [[1.0885578 1.0482306]]

Q-values after update: [[1.1009035 1.0602927]]

Designated Priority: 1

Q-values before update: [[1.0863023 1.0451386]]

Q-values after update: [[1.0988576 1.056161 ]]

Designated Priority: 1

Q-values before update: [[1.1060312 1.0640821]]

Q-values after update: [[1.1200166 1.0757209]]

Designated Priority: 1

Q-values before update: [[1.1247063 1.0862876]]

Q-values after update: [[1.1403205 1.0986747]]

Designated Priority: 1

Q-values before update: [[1.1375194 1.1039438]]

Q-values after update: [[1.1555573 1.1176591]]

Designated Priority: 1

Q-values before update: [[1.1444281 1.1171166]]

Q-values after update: [[1.1664057 1.1330595]]

Designated Priority: 1

Q-values before update: [[1.1541868 1.1316476]]

Q-values after update: [[1.1817758 1.1509569]]

Designated Priority: 3

Q-values before update: [[1.1687728 1.149552 ]]

Q-values after update: [[1.087892 1.1024587]]

Episode 53 out of total 100, Total Reward: 29.0, Epsilon: 0.75, Current State: [-0.37085542 -2.4787743 0.25470078 3.1818216 ], Steps Taken: 29

Designated Priority: 1

Q-values before update: [[1.0756414 1.0289928]]

Q-values after update: [[1.0535007 1.0216429]]

Designated Priority: 1

Q-values before update: [[1.0630941 1.0302587]]

Q-values after update: [[1.0398906 1.0212766]]

Designated Priority: 1

Q-values before update: [[1.0462525 1.0272288]]

Q-values after update: [[1.0235062 1.0174593]]

Designated Priority: 1

Q-values before update: [[1.0268073 1.0208305]]

Q-values after update: [[1.0057847 1.0109842]]

Designated Priority: 1

Q-values before update: [[1.0062841 1.0119164]]

Q-values after update: [[0.9881382 1.0026846]]

Designated Priority: 1

Q-values before update: [[0.9787502 0.99943143]]

Q-values after update: [[0.95918566 0.9910495 ]]

Designated Priority: 1

Q-values before update: [[0.9618899 0.98811996]]

Q-values after update: [[0.9489134 0.9850856]]

Designated Priority: 1

Q-values before update: [[0.945197 0.98050475]]

Q-values after update: [[0.93534017 0.98041767]]

Designated Priority: 1

Q-values before update: [[0.93317604 0.97819334]]

Q-values after update: [[0.92563426 0.9802679 ]]

Designated Priority: 1

Q-values before update: [[0.92498577 0.9794694 ]]

Q-values after update: [[0.9219799 0.9830234]]

Designated Priority: 1

Q-values before update: [[0.9184059 0.9796728]]

Q-values after update: [[0.91881 0.9839312]]

Designated Priority: 1

Q-values before update: [[0.9091474 0.9786173]]

Q-values after update: [[0.9089121 0.9837402]]

Designated Priority: 1

Q-values before update: [[0.9129065 0.9845344]]

Q-values after update: [[0.9143826 0.99166036]]

Designated Priority: 1

Q-values before update: [[0.91678655 0.99244505]]

Q-values after update: [[0.91865945 0.99997103]]

Designated Priority: 1

Q-values before update: [[0.92225623 1.0031154 ]]

Q-values after update: [[0.9275483 1.0113536]]

Designated Priority: 1

Q-values before update: [[0.9208602 1.0063918]]

Q-values after update: [[0.92550683 1.0142118 ]]

Designated Priority: 1

Q-values before update: [[0.92996013 1.017079 ]]

Q-values after update: [[0.9341753 1.0236832]]

Designated Priority: 1

Q-values before update: [[0.9397706 1.0275376]]

Q-values after update: [[0.9437357 1.033428 ]]

Designated Priority: 1

Q-values before update: [[0.94969803 1.0384691 ]]

Q-values after update: [[0.95321 1.0432465]]

Designated Priority: 1

Q-values before update: [[0.96007085 1.0489984 ]]

Q-values after update: [[0.96292186 1.0521083 ]]

Designated Priority: 1

Q-values before update: [[0.97064996 1.0585468 ]]

Q-values after update: [[0.9726004 1.0594041]]

Designated Priority: 1

Q-values before update: [[0.9811557 1.0664866]]

Q-values after update: [[0.9820976 1.0649273]]

Designated Priority: 1

Q-values before update: [[0.9914373 1.0726023]]

Q-values after update: [[0.99140227 1.0688485 ]]

Designated Priority: 1

Q-values before update: [[0.99889016 1.0732139 ]]

Q-values after update: [[0.9993273 1.0699863]]

Designated Priority: 1

Q-values before update: [[1.0007755 1.0715919]]

Q-values after update: [[1.0002888 1.0664563]]

Designated Priority: 1

Q-values before update: [[1.0065769 1.0689012]]

Q-values after update: [[1.0064741 1.0643501]]

Designated Priority: 1

Q-values before update: [[1.0082228 1.0672066]]

Q-values after update: [[1.0072635 1.060964 ]]

Designated Priority: 1

Q-values before update: [[1.0129291 1.0619266]]

Q-values after update: [[1.0113165 1.0545647]]

Designated Priority: 1

Q-values before update: [[1.0143743 1.0502373]]

Q-values after update: [[1.0133744 1.0437531]]

Designated Priority: 1

Q-values before update: [[1.0200526 1.0526172]]

Q-values after update: [[1.0187894 1.0459718]]

Designated Priority: 1

Q-values before update: [[1.0189444 1.0372027]]

Q-values after update: [[1.0180361 1.0317827]]

Designated Priority: 1

Q-values before update: [[1.0184687 1.0187294]]

Q-values after update: [[1.0191448 1.0170128]]

Designated Priority: 1

Q-values before update: [[1.0205576 1.0038192]]

Q-values after update: [[1.0233796 1.0039304]]

Designated Priority: 1

Q-values before update: [[1.0314832 1.0167407]]

Q-values after update: [[1.0343904 1.0170681]]

Designated Priority: 3

Q-values before update: [[1.0436716 1.0327997]]

Q-values after update: [[1.0322673 1.023637 ]]

Episode 54 out of total 100, Total Reward: 35.0, Epsilon: 0.75, Current State: [ 0.28903022 1.369069 -0.23412466 -1.4393809 ], Steps Taken: 35

Designated Priority: 1

Q-values before update: [[0.98072004 1.0256481 ]]

Q-values after update: [[0.9751363 1.0214498]]

Designated Priority: 1

Q-values before update: [[0.9788631 1.0232831]]

Q-values after update: [[0.9734949 1.018924 ]]

Designated Priority: 1

Q-values before update: [[0.978159 1.0212717]]

Q-values after update: [[0.9730791 1.0170519]]

Designated Priority: 1

Q-values before update: [[0.97868115 1.0198765 ]]

Q-values after update: [[0.9739728 1.0160909]]

Designated Priority: 1

Q-values before update: [[0.98009574 1.0196658 ]]

Q-values after update: [[0.9758332 1.0165813]]

Designated Priority: 1

Q-values before update: [[0.9785155 1.0165248]]

Q-values after update: [[0.9746102 1.0143989]]

Designated Priority: 1

Q-values before update: [[0.97277594 1.002121 ]]

Q-values after update: [[0.9703125 1.0028331]]

Designated Priority: 1

Q-values before update: [[0.9672643 0.9900167]]

Q-values after update: [[0.96757495 0.9956416 ]]

Designated Priority: 3

Q-values before update: [[0.9660686 0.98401874]]

Q-values after update: [[0.97107995 0.99750817]]

Episode 55 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [ 0.12941647 1.7293831 -0.23374748 -2.8206146 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[0.9445859 1.0071193]]

Q-values after update: [[0.94447833 1.0118334 ]]

Designated Priority: 1

Q-values before update: [[0.94754714 1.0133063 ]]

Q-values after update: [[0.9492072 1.0184612]]

Designated Priority: 1

Q-values before update: [[0.9468223 1.017318 ]]

Q-values after update: [[0.94806737 1.0214338 ]]

Designated Priority: 1

Q-values before update: [[0.9514357 1.0234818]]

Q-values after update: [[0.9526439 1.0272437]]

Designated Priority: 1

Q-values before update: [[0.9572629 1.030595 ]]

Q-values after update: [[0.9584018 1.0339596]]

Designated Priority: 1

Q-values before update: [[0.96428275 1.0382614 ]]

Q-values after update: [[0.96530473 1.0411656 ]]

Designated Priority: 1

Q-values before update: [[0.9722612 1.0468284]]

Q-values after update: [[0.97309464 1.0491245 ]]

Designated Priority: 1

Q-values before update: [[0.980403 1.0555472]]

Q-values after update: [[0.98104405 1.0571336 ]]

Designated Priority: 1

Q-values before update: [[0.986164 1.0611739]]

Q-values after update: [[0.98666596 1.0621421 ]]

Designated Priority: 1

Q-values before update: [[0.9888106 1.0601538]]

Q-values after update: [[0.98905545 1.0609639 ]]

Designated Priority: 1

Q-values before update: [[0.99364203 1.0578803 ]]

Q-values after update: [[0.99395686 1.0587682 ]]

Designated Priority: 3

Q-values before update: [[1.0000517 1.0569997]]

Q-values after update: [[0.98610985 1.0284067 ]]

Episode 56 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [ 0.17158036 1.9095722 -0.22638266 -3.0150285 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[0.9556097 1.0271114]]

Q-values after update: [[0.9539964 1.0178086]]

Designated Priority: 1

Q-values before update: [[0.95115614 1.0163114 ]]

Q-values after update: [[0.9500009 1.0081004]]

Designated Priority: 1

Q-values before update: [[0.95105684 1.0076358 ]]

Q-values after update: [[0.9495944 0.9996762]]

Designated Priority: 1

Q-values before update: [[0.9515295 0.99969876]]

Q-values after update: [[0.9499762 0.9924827]]

Designated Priority: 1

Q-values before update: [[0.9525876 0.99277496]]

Q-values after update: [[0.9511423 0.98670673]]

Designated Priority: 1

Q-values before update: [[0.9544437 0.98696184]]

Q-values after update: [[0.9533038 0.9824576]]

Designated Priority: 1

Q-values before update: [[0.95579076 0.98163974]]

Q-values after update: [[0.9549823 0.97892123]]

Designated Priority: 1

Q-values before update: [[0.9528372 0.97218275]]

Q-values after update: [[0.9528343 0.97179884]]

Designated Priority: 1

Q-values before update: [[0.94677186 0.95522964]]

Q-values after update: [[0.9488424 0.9592645]]

Designated Priority: 1

Q-values before update: [[0.9432024 0.9414543]]

Q-values after update: [[0.94990957 0.94802165]]

Designated Priority: 1

Q-values before update: [[0.96225 0.96813893]]

Q-values after update: [[0.9715639 0.976002 ]]

Designated Priority: 3

Q-values before update: [[0.9829478 0.9955205]]

Q-values after update: [[0.99170023 1.0037291 ]]

Episode 57 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [ 0.18488768 1.180316 -0.22540541 -1.9149711 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[0.9608152 0.9985445]]

Q-values after update: [[0.96592575 1.0035793 ]]

Designated Priority: 1

Q-values before update: [[0.967307 1.0023524]]

Q-values after update: [[0.97230625 1.0076475 ]]

Designated Priority: 1

Q-values before update: [[0.9749638 1.007556 ]]

Q-values after update: [[0.97987485 1.0131214 ]]

Designated Priority: 1

Q-values before update: [[0.9837997 1.0136602]]

Q-values after update: [[0.9886484 1.0194969]]

Designated Priority: 1

Q-values before update: [[0.993896 1.0211959]]

Q-values after update: [[0.9986887 1.0272366]]

Designated Priority: 1

Q-values before update: [[1.0044625 1.0295672]]

Q-values after update: [[1.0094367 1.0359498]]

Designated Priority: 1

Q-values before update: [[1.0103178 1.0277681]]

Q-values after update: [[1.0157971 1.035212 ]]

Designated Priority: 1

Q-values before update: [[1.015334 1.0219121]]

Q-values after update: [[1.0218247 1.0297315]]

Designated Priority: 1

Q-values before update: [[1.0314225 1.0471857]]

Q-values after update: [[1.0370145 1.0539151]]

Designated Priority: 1

Q-values before update: [[1.0369593 1.0406377]]

Q-values after update: [[1.0425441 1.0471696]]

Designated Priority: 3

Q-values before update: [[1.0520315 1.0648311]]

Q-values after update: [[1.0461264 1.0477219]]

Episode 58 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [ 0.20391831 1.3219022 -0.22408102 -2.133866 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[0.9951844 1.0368063]]

Q-values after update: [[0.993853 1.0281374]]

Designated Priority: 1

Q-values before update: [[0.9965259 1.02786 ]]

Q-values after update: [[0.9948566 1.0191078]]

Designated Priority: 1

Q-values before update: [[0.9983227 1.0193018]]

Q-values after update: [[0.9965459 1.0110409]]

Designated Priority: 1

Q-values before update: [[1.0016091 1.0128467]]

Q-values after update: [[1.0001714 1.0052854]]

Designated Priority: 1

Q-values before update: [[1.0005765 1.0080831]]

Q-values after update: [[0.9995277 1.0018587]]

Designated Priority: 1

Q-values before update: [[1.0033945 1.0015185]]

Q-values after update: [[1.0025407 0.99579954]]

Designated Priority: 1

Q-values before update: [[1.0040251 1.0005127]]

Q-values after update: [[1.003329 0.9954908]]

Designated Priority: 1

Q-values before update: [[1.0040236 0.9994567]]

Q-values after update: [[1.0034451 0.9951272]]

Designated Priority: 1

Q-values before update: [[1.0032187 0.998379 ]]

Q-values after update: [[1.0030957 0.9947663]]

Designated Priority: 1

Q-values before update: [[1.0019585 0.99738973]]

Q-values after update: [[1.0020059 0.9944521]]

Designated Priority: 1

Q-values before update: [[1.0019794 0.99091077]]

Q-values after update: [[1.0022748 0.9882517]]

Designated Priority: 1

Q-values before update: [[1.0014105 0.9912367]]

Q-values after update: [[1.0024912 0.9892391]]

Designated Priority: 1

Q-values before update: [[1.0007001 0.99157643]]

Q-values after update: [[1.0028936 0.9903265]]

Designated Priority: 1

Q-values before update: [[0.99948335 0.9925859 ]]

Q-values after update: [[1.0031613 0.99220043]]

Designated Priority: 1

Q-values before update: [[0.98833925 0.9901135 ]]

Q-values after update: [[0.9925688 0.9918599]]

Designated Priority: 1

Q-values before update: [[0.9996173 0.9885262]]

Q-values after update: [[1.0036945 0.9913075]]

Designated Priority: 1

Q-values before update: [[1.0018557 0.98441315]]

Q-values after update: [[1.0065496 0.987155 ]]

Designated Priority: 1

Q-values before update: [[1.0031061 0.99085087]]

Q-values after update: [[1.0080346 0.99501085]]

Designated Priority: 1

Q-values before update: [[1.0060266 0.987234 ]]

Q-values after update: [[1.0114411 0.99119794]]

Designated Priority: 1

Q-values before update: [[1.0041752 0.9934219]]

Q-values after update: [[1.0111029 0.99801236]]

Designated Priority: 1

Q-values before update: [[0.97842145 0.9868767 ]]

Q-values after update: [[0.9859518 0.9936943]]

Designated Priority: 1

Q-values before update: [[0.9997002 0.99295366]]

Q-values after update: [[1.0070679 1.0006803]]

Designated Priority: 1

Q-values before update: [[1.0168498 1.0002793]]

Q-values after update: [[1.0239248 1.0071486]]

Designated Priority: 1

Q-values before update: [[0.99814403 0.9982846 ]]

Q-values after update: [[1.006013 1.0069373]]

Designated Priority: 1

Q-values before update: [[1.0154788 1.0061669]]

Q-values after update: [[1.0228152 1.0148324]]

Designated Priority: 1

Q-values before update: [[1.0282729 1.0118312]]

Q-values after update: [[1.0347731 1.0192611]]

Designated Priority: 3

Q-values before update: [[1.0142502 1.0141664]]

Q-values after update: [[1.017918 1.0202718]]

Episode 59 out of total 100, Total Reward: 27.0, Epsilon: 0.75, Current State: [-0.15408024 -0.60952055 0.22128609 1.2541189 ], Steps Taken: 27

Designated Priority: 1

Q-values before update: [[1.0648226 1.0321859]]

Q-values after update: [[1.0654331 1.0361638]]

Designated Priority: 1

Q-values before update: [[1.0688511 1.043767 ]]

Q-values after update: [[1.0689933 1.0459557]]

Designated Priority: 1

Q-values before update: [[1.0648268 1.0376239]]

Q-values after update: [[1.0626866 1.0386335]]

Designated Priority: 1

Q-values before update: [[1.0663027 1.046532 ]]

Q-values after update: [[1.0624884 1.0468357]]

Designated Priority: 1

Q-values before update: [[1.0640411 1.05482 ]]

Q-values after update: [[1.0590076 1.0545805]]

Designated Priority: 1

Q-values before update: [[1.0554941 1.0609149]]

Q-values after update: [[1.0501666 1.0586115]]

Designated Priority: 1

Q-values before update: [[1.0479995 1.0490289]]

Q-values after update: [[1.0426934 1.0452347]]

Designated Priority: 1

Q-values before update: [[1.0387714 1.0346435]]

Q-values after update: [[1.0331569 1.0309442]]

Designated Priority: 1

Q-values before update: [[1.0331893 1.0397931]]

Q-values after update: [[1.0276091 1.0350642]]

Designated Priority: 1

Q-values before update: [[1.0236797 1.0246074]]

Q-values after update: [[1.0184095 1.0203159]]

Designated Priority: 1

Q-values before update: [[1.0140066 1.0262691]]

Q-values after update: [[1.0088612 1.0215325]]

Designated Priority: 1

Q-values before update: [[1.0089679 1.0138756]]

Q-values after update: [[1.0042514 1.0090553]]

Designated Priority: 1

Q-values before update: [[1.0016625 1.0001353]]

Q-values after update: [[0.99771106 0.9960119 ]]

Designated Priority: 1

Q-values before update: [[0.99728703 1.0041108 ]]

Q-values after update: [[0.993523 0.99996555]]

Designated Priority: 1

Q-values before update: [[0.99129856 0.9919368 ]]

Q-values after update: [[0.9880924 0.98859274]]

Designated Priority: 1

Q-values before update: [[0.98832965 0.98267925]]

Q-values after update: [[0.98574674 0.9798168 ]]

Designated Priority: 3

Q-values before update: [[0.9843017 0.9867333]]

Q-values after update: [[0.98277736 0.98654187]]

Episode 60 out of total 100, Total Reward: 17.0, Epsilon: 0.75, Current State: [-0.02728765 0.21510765 0.22061053 0.37506774], Steps Taken: 17

Designated Priority: 1

Q-values before update: [[1.0081694 1.002796 ]]

Q-values after update: [[1.0067866 1.0026982]]

Designated Priority: 1

Q-values before update: [[1.0046846 0.9957887]]

Q-values after update: [[1.0032995 0.9956552]]

Designated Priority: 1

Q-values before update: [[1.0064535 1.0033568]]

Q-values after update: [[1.0051976 1.0032276]]

Designated Priority: 1

Q-values before update: [[1.0072986 1.0101469]]

Q-values after update: [[1.0060277 1.0096388]]

Designated Priority: 1

Q-values before update: [[1.0029334 1.0019834]]

Q-values after update: [[1.0019302 1.0015863]]

Designated Priority: 1

Q-values before update: [[1.0039824 1.0084662]]

Q-values after update: [[1.0029573 1.007767 ]]

Designated Priority: 1

Q-values before update: [[0.9998863 1.0001372]]

Q-values after update: [[0.99919367 0.9996027 ]]

Designated Priority: 1

Q-values before update: [[1.0011904 1.0064303]]

Q-values after update: [[1.0004649 1.0056626]]

Designated Priority: 1

Q-values before update: [[0.9974016 0.9980514]]

Q-values after update: [[0.99687696 0.99772894]]

Designated Priority: 1

Q-values before update: [[0.9948189 0.99086547]]

Q-values after update: [[0.99445546 0.99062395]]

Designated Priority: 1

Q-values before update: [[0.99735546 0.9980943 ]]

Q-values after update: [[0.99711776 0.99817973]]

Designated Priority: 1

Q-values before update: [[0.99503 0.99129117]]

Q-values after update: [[0.9949162 0.9914103]]

Designated Priority: 1

Q-values before update: [[0.9977453 0.99881387]]

Q-values after update: [[0.9977211 0.999185 ]]

Designated Priority: 1

Q-values before update: [[0.9956062 0.99227065]]

Q-values after update: [[0.9956646 0.99263746]]

Designated Priority: 1

Q-values before update: [[0.9984355 0.9999887]]

Q-values after update: [[0.99869287 1.0003895 ]]

Designated Priority: 1

Q-values before update: [[1.0007724 1.0071086]]

Q-values after update: [[1.0008914 1.0071349]]

Designated Priority: 1

Q-values before update: [[0.99740785 0.99932504]]

Q-values after update: [[0.99758214 0.99954236]]

Designated Priority: 1

Q-values before update: [[0.9954317 0.99260455]]

Q-values after update: [[0.99566835 0.9928342 ]]

Designated Priority: 1

Q-values before update: [[0.9984095 1.0001204]]

Q-values after update: [[0.9986622 1.0004638]]

Designated Priority: 1

Q-values before update: [[0.99641013 0.9934689 ]]

Q-values after update: [[0.99668324 0.99379814]]

Designated Priority: 1

Q-values before update: [[0.9994849 1.0010769]]

Q-values after update: [[0.9997783 1.0015315]]

Designated Priority: 1

Q-values before update: [[0.9973719 0.9944572]]

Q-values after update: [[0.99764305 0.9948708 ]]

Designated Priority: 1

Q-values before update: [[1.0005114 1.0021507]]

Q-values after update: [[1.0008132 1.0027102]]

Designated Priority: 1

Q-values before update: [[0.9982519 0.9955539]]

Q-values after update: [[0.9984958 0.9960475]]

Designated Priority: 1

Q-values before update: [[1.001438 1.0033367]]

Q-values after update: [[1.0017271 1.0040035]]

Designated Priority: 1

Q-values before update: [[0.9990407 0.9967736]]

Q-values after update: [[0.99924135 0.9973503 ]]

Designated Priority: 1

Q-values before update: [[1.0022326 1.0046439]]

Q-values after update: [[1.0024908 1.0054076]]

Designated Priority: 1

Q-values before update: [[0.9997663 0.9981351]]

Q-values after update: [[0.99990827 0.9987859 ]]

Designated Priority: 1

Q-values before update: [[1.0028628 1.0060544]]

Q-values after update: [[1.0030638 1.006871 ]]

Designated Priority: 1

Q-values before update: [[1.0003003 0.999552 ]]

Q-values after update: [[1.0003643 1.0002394]]

Designated Priority: 1

Q-values before update: [[1.0032839 1.0074863]]

Q-values after update: [[1.0032829 1.0080901]]

Designated Priority: 1

Q-values before update: [[1.0050588 1.0146761]]

Q-values after update: [[1.0048321 1.014528 ]]

Designated Priority: 1

Q-values before update: [[1.001154 1.0063263]]

Q-values after update: [[1.0010517 1.0065033]]

Designated Priority: 1

Q-values before update: [[0.9982557 0.9991386]]

Q-values after update: [[0.99829495 0.9996933 ]]

Designated Priority: 1

Q-values before update: [[0.99647665 0.9930493 ]]

Q-values after update: [[0.9970169 0.9937404]]

Designated Priority: 1

Q-values before update: [[1.0008024 1.0016031]]

Q-values after update: [[1.0014205 1.0026453]]

Designated Priority: 1

Q-values before update: [[0.9995245 0.9959333]]

Q-values after update: [[1.0004531 0.99701536]]

Designated Priority: 1

Q-values before update: [[1.0041392 1.0047911]]

Q-values after update: [[1.0051101 1.0061939]]

Designated Priority: 1

Q-values before update: [[1.0031538 0.9994284]]

Q-values after update: [[1.0042695 1.0007868]]

Designated Priority: 1

Q-values before update: [[1.0078707 1.0084901]]

Q-values after update: [[1.0084878 1.0095687]]

Designated Priority: 1

Q-values before update: [[1.0110427 1.0164877]]

Q-values after update: [[1.0115154 1.0172255]]

Designated Priority: 1

Q-values before update: [[1.0085062 1.009664 ]]

Q-values after update: [[1.0090821 1.0107687]]

Designated Priority: 1

Q-values before update: [[1.0070777 1.0039543]]

Q-values after update: [[1.0076941 1.0049897]]

Designated Priority: 1

Q-values before update: [[1.0111735 1.0125879]]

Q-values after update: [[1.0118651 1.0139543]]

Designated Priority: 1

Q-values before update: [[1.0098144 1.0070944]]

Q-values after update: [[1.0106032 1.0088041]]

Designated Priority: 1

Q-values before update: [[1.0095209 1.0024718]]

Q-values after update: [[1.0107555 1.0042167]]

Designated Priority: 1

Q-values before update: [[1.0151894 1.0128323]]

Q-values after update: [[1.0160155 1.014291 ]]

Designated Priority: 1

Q-values before update: [[1.0192935 1.0216801]]

Q-values after update: [[1.0200781 1.0231411]]

Designated Priority: 1

Q-values before update: [[1.018062 1.0165349]]

Q-values after update: [[1.0183972 1.017709 ]]

Designated Priority: 1

Q-values before update: [[1.0216336 1.0250726]]

Q-values after update: [[1.021943 1.026175]]

Designated Priority: 1

Q-values before update: [[1.0199248 1.01956 ]]

Q-values after update: [[1.0197654 1.0203817]]

Designated Priority: 1

Q-values before update: [[1.0229962 1.0277858]]

Q-values after update: [[1.0228322 1.0284851]]

Designated Priority: 1

Q-values before update: [[1.0207858 1.0218053]]

Q-values after update: [[1.0207409 1.0227226]]

Designated Priority: 1

Q-values before update: [[1.0195583 1.0159646]]

Q-values after update: [[1.0197991 1.0169063]]

Designated Priority: 1

Q-values before update: [[1.024166 1.0259626]]

Q-values after update: [[1.0244343 1.0269835]]

Designated Priority: 1

Q-values before update: [[1.0231805 1.0199525]]

Q-values after update: [[1.0236087 1.020951 ]]

Designated Priority: 1

Q-values before update: [[1.0279483 1.0300037]]

Q-values after update: [[1.0283287 1.0309076]]

Designated Priority: 1

Q-values before update: [[1.0270543 1.0238128]]

Q-values after update: [[1.0274606 1.0246575]]

Designated Priority: 1

Q-values before update: [[1.0316095 1.0335126]]

Q-values after update: [[1.0318944 1.0340602]]

Designated Priority: 1

Q-values before update: [[1.0306925 1.0269954]]

Q-values after update: [[1.0308764 1.02746 ]]

Designated Priority: 1

Q-values before update: [[1.034748 1.0365114]]

Q-values after update: [[1.0347508 1.0364765]]

Designated Priority: 1

Q-values before update: [[1.0336506 1.028972 ]]

Q-values after update: [[1.0333493 1.0288051]]

Designated Priority: 1

Q-values before update: [[1.0371763 1.0383825]]

Q-values after update: [[1.0366728 1.0375556]]

Designated Priority: 1

Q-values before update: [[1.034904 1.0291071]]

Q-values after update: [[1.0339367 1.0281076]]

Designated Priority: 1

Q-values before update: [[1.0386436 1.0388093]]

Q-values after update: [[1.0374626 1.0369998]]

Designated Priority: 1

Q-values before update: [[1.034748 1.0273296]]

Q-values after update: [[1.0329316 1.0253 ]]

Designated Priority: 1

Q-values before update: [[1.0388591 1.0375057]]

Q-values after update: [[1.0365624 1.0354332]]

Designated Priority: 1

Q-values before update: [[1.0398962 1.0447414]]

Q-values after update: [[1.0372736 1.0413439]]

Designated Priority: 1

Q-values before update: [[1.0351992 1.0329844]]

Q-values after update: [[1.0319927 1.029547 ]]

Designated Priority: 1

Q-values before update: [[1.0353475 1.0389478]]

Q-values after update: [[1.0318996 1.0343374]]

Designated Priority: 1

Q-values before update: [[1.0298887 1.0262003]]

Q-values after update: [[1.0266094 1.0216222]]

Designated Priority: 1

Q-values before update: [[1.017419 1.0025736]]

Q-values after update: [[1.0139036 0.9981203]]

Designated Priority: 1

Q-values before update: [[1.0253801 1.0193312]]

Q-values after update: [[1.0215514 1.01499 ]]

Designated Priority: 1

Q-values before update: [[1.026329 1.0279603]]

Q-values after update: [[1.022613 1.0232341]]

Designated Priority: 1

Q-values before update: [[1.0174125 1.0103357]]

Q-values after update: [[1.0138137 1.0058949]]

Designated Priority: 3

Q-values before update: [[1.0212038 1.0222677]]

Q-values after update: [[1.015735 1.0124191]]

Episode 61 out of total 100, Total Reward: 76.0, Epsilon: 0.75, Current State: [ 0.34080893 0.4090383 -0.21798874 -0.89769745], Steps Taken: 76

Designated Priority: 1

Q-values before update: [[0.9826014 0.9977342]]

Q-values after update: [[0.97953224 0.9920243 ]]

Designated Priority: 1

Q-values before update: [[0.97752726 0.98519063]]

Q-values after update: [[0.975518 0.9803326]]

Designated Priority: 1

Q-values before update: [[0.978351 0.9877341]]

Q-values after update: [[0.9767707 0.9840194]]

Designated Priority: 1

Q-values before update: [[0.9746628 0.97711337]]

Q-values after update: [[0.9736099 0.9749898]]

Designated Priority: 1

Q-values before update: [[0.97217596 0.96803737]]

Q-values after update: [[0.97222906 0.9664558 ]]

Designated Priority: 1

Q-values before update: [[0.9760208 0.97494936]]

Q-values after update: [[0.97683656 0.9738096 ]]

Designated Priority: 1

Q-values before update: [[0.97963613 0.9811182 ]]

Q-values after update: [[0.9806373 0.9809199]]

Designated Priority: 1

Q-values before update: [[0.97843784 0.9739517 ]]

Q-values after update: [[0.9800272 0.97402066]]

Designated Priority: 1

Q-values before update: [[0.9828274 0.9813108]]

Q-values after update: [[0.9851035 0.981664 ]]

Designated Priority: 1

Q-values before update: [[0.98710346 0.98844326]]

Q-values after update: [[0.98930484 0.98919296]]

Designated Priority: 1

Q-values before update: [[0.9862834 0.9817294]]

Q-values after update: [[0.98900247 0.9826672 ]]

Designated Priority: 1

Q-values before update: [[0.99105155 0.9894848 ]]

Q-values after update: [[0.9944768 0.9906839]]

Designated Priority: 1

Q-values before update: [[0.9958565 0.997169 ]]

Q-values after update: [[1.000181 0.99871206]]

Designated Priority: 1

Q-values before update: [[0.9992044 1.00636 ]]

Q-values after update: [[1.003375 1.0083959]]

Designated Priority: 1

Q-values before update: [[0.9998521 0.99850786]]

Q-values after update: [[1.0046582 1.0007087]]

Designated Priority: 1

Q-values before update: [[1.0038056 1.0086163]]

Q-values after update: [[1.0084447 1.0112785]]

Designated Priority: 1

Q-values before update: [[1.0046829 1.0013728]]

Q-values after update: [[1.009786 1.0040797]]

Designated Priority: 1

Q-values before update: [[1.0033382 1.0086048]]

Q-values after update: [[1.0083433 1.0118756]]

Designated Priority: 1

Q-values before update: [[1.009963 1.0055243]]

Q-values after update: [[1.0152494 1.0087073]]

Designated Priority: 1

Q-values before update: [[1.0001669 1.0079445]]

Q-values after update: [[1.0069746 1.0117644]]

Designated Priority: 1

Q-values before update: [[0.97449327 1.0050255 ]]

Q-values after update: [[0.9815537 1.0102909]]

Designated Priority: 1

Q-values before update: [[0.9946338 1.006612 ]]

Q-values after update: [[1.0014497 1.0125484]]

Designated Priority: 1

Q-values before update: [[1.0093564 1.0104177]]

Q-values after update: [[1.0167527 1.0162069]]

Designated Priority: 3

Q-values before update: [[0.9909493 1.0094968]]

Q-values after update: [[0.9968964 1.0127313]]

Episode 62 out of total 100, Total Reward: 24.0, Epsilon: 0.75, Current State: [-0.13079016 -0.4089581 0.22636287 0.990114 ], Steps Taken: 24

Designated Priority: 1

Q-values before update: [[1.0566843 1.023704 ]]

Q-values after update: [[1.0598844 1.0254822]]

Designated Priority: 1

Q-values before update: [[1.0636125 1.0338573]]

Q-values after update: [[1.06531 1.0350684]]

Designated Priority: 1

Q-values before update: [[1.0683594 1.0430933]]

Q-values after update: [[1.0688659 1.0438303]]

Designated Priority: 1

Q-values before update: [[1.0700245 1.0525255]]

Q-values after update: [[1.0697706 1.0529199]]

Designated Priority: 1

Q-values before update: [[1.06099 1.0588553]]

Q-values after update: [[1.0610299 1.0593756]]

Designated Priority: 1

Q-values before update: [[1.0283065 1.0547175]]

Q-values after update: [[1.0309256 1.0563703]]

Designated Priority: 1

Q-values before update: [[0.99893904 1.0521841 ]]

Q-values after update: [[1.0018091 1.0545759]]

Designated Priority: 1

Q-values before update: [[1.0115246 1.0470736]]

Q-values after update: [[1.014301 1.0497618]]

Designated Priority: 1

Q-values before update: [[1.0275159 1.0442834]]

Q-values after update: [[1.0300264 1.046966 ]]

Designated Priority: 1

Q-values before update: [[1.0406138 1.0427302]]

Q-values after update: [[1.0427336 1.0451646]]

Designated Priority: 1

Q-values before update: [[1.0501324 1.0422932]]

Q-values after update: [[1.0517838 1.0440571]]

Designated Priority: 1

Q-values before update: [[1.0468816 1.0333426]]

Q-values after update: [[1.0481324 1.034716 ]]

Designated Priority: 3

Q-values before update: [[1.0405378 1.0398647]]

Q-values after update: [[1.0329463 1.037344 ]]

Episode 63 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [-0.16904542 -0.62224656 0.20993048 1.1944838 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[1.061309 1.0345659]]

Q-values after update: [[1.0543201 1.032578 ]]

Designated Priority: 1

Q-values before update: [[1.0589588 1.0420392]]

Q-values after update: [[1.0516424 1.0398338]]

Designated Priority: 1

Q-values before update: [[1.0553569 1.0487629]]

Q-values after update: [[1.0482409 1.0465392]]

Designated Priority: 1

Q-values before update: [[1.050137 1.0557698]]

Q-values after update: [[1.0432796 1.0528008]]

Designated Priority: 1

Q-values before update: [[1.0376651 1.0414765]]

Q-values after update: [[1.0319345 1.0389843]]

Designated Priority: 1

Q-values before update: [[1.0332417 1.0484376]]

Q-values after update: [[1.0278019 1.0456525]]

Designated Priority: 1

Q-values before update: [[1.0228393 1.0342208]]

Q-values after update: [[1.0189428 1.0321226]]

Designated Priority: 1

Q-values before update: [[1.0194949 1.041928 ]]

Q-values after update: [[1.0158443 1.0398273]]

Designated Priority: 1

Q-values before update: [[1.0110966 1.0284932]]

Q-values after update: [[1.0078926 1.0266886]]

Designated Priority: 1

Q-values before update: [[1.0031195 1.0166798]]

Q-values after update: [[1.0003854 1.0153365]]

Designated Priority: 1

Q-values before update: [[0.9959347 1.0062789]]

Q-values after update: [[0.9936533 1.0054998]]

Designated Priority: 1

Q-values before update: [[0.9910387 0.99861866]]

Q-values after update: [[0.98930407 0.9987788 ]]

Designated Priority: 1

Q-values before update: [[0.9878168 0.99292606]]

Q-values after update: [[0.98661053 0.9940372 ]]

Designated Priority: 1

Q-values before update: [[0.98574626 0.98838955]]

Q-values after update: [[0.98513156 0.99065316]]

Designated Priority: 1

Q-values before update: [[0.984599 0.98416233]]

Q-values after update: [[0.98506796 0.98666084]]

Designated Priority: 1

Q-values before update: [[0.9895438 0.99442554]]

Q-values after update: [[0.990237 0.99762017]]

Designated Priority: 1

Q-values before update: [[0.98967296 0.9910378 ]]

Q-values after update: [[0.990888 0.9954139]]

Designated Priority: 1

Q-values before update: [[0.9874668 0.98292863]]

Q-values after update: [[0.9898756 0.98757154]]

Designated Priority: 1

Q-values before update: [[0.99787873 1.0008631 ]]

Q-values after update: [[1.0002177 1.0058339]]

Designated Priority: 1

Q-values before update: [[0.9956178 0.99110866]]

Q-values after update: [[0.99867463 0.99773514]]

Designated Priority: 1

Q-values before update: [[0.98803383 0.9688828 ]]

Q-values after update: [[0.9927653 0.9790546]]

Designated Priority: 1

Q-values before update: [[0.97939 0.9508256]]

Q-values after update: [[0.9879805 0.96543586]]

Designated Priority: 1

Q-values before update: [[0.9699298 0.9401628]]

Q-values after update: [[0.98422146 0.96304667]]

Designated Priority: 1

Q-values before update: [[0.9645169 0.9350221]]

Q-values after update: [[0.9858159 0.9631903]]

Designated Priority: 3

Q-values before update: [[0.997403 0.97360396]]

Q-values after update: [[1.016732 0.9989834]]

Episode 64 out of total 100, Total Reward: 25.0, Epsilon: 0.75, Current State: [ 0.14553212 1.323964 -0.24850139 -1.9893627 ], Steps Taken: 25

Designated Priority: 1

Q-values before update: [[1.039071 1.0938754]]

Q-values after update: [[1.0438104 1.1009216]]

Designated Priority: 1

Q-values before update: [[1.0442904 1.0969343]]

Q-values after update: [[1.0479404 1.1004395]]

Designated Priority: 1

Q-values before update: [[1.0496984 1.0968908]]

Q-values after update: [[1.0522652 1.0971607]]

Designated Priority: 1

Q-values before update: [[1.0554621 1.0948663]]

Q-values after update: [[1.0570035 1.0923804]]

Designated Priority: 1

Q-values before update: [[1.0622776 1.0923796]]

Q-values after update: [[1.062732 1.0874261]]

Designated Priority: 1

Q-values before update: [[1.0664575 1.0786388]]

Q-values after update: [[1.066874 1.0734725]]

Designated Priority: 1

Q-values before update: [[1.065322 1.0558813]]

Q-values after update: [[1.0642192 1.0506097]]

Designated Priority: 1

Q-values before update: [[1.0688945 1.0617502]]

Q-values after update: [[1.0670905 1.0553871]]

Designated Priority: 3

Q-values before update: [[1.0652918 1.0375313]]

Q-values after update: [[1.0437356 1.019839 ]]

Episode 65 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [ 0.12719719 0.9937748 -0.2392678 -1.7677357 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0198109 1.0532101]]

Q-values after update: [[1.0076253 1.0422566]]

Designated Priority: 1

Q-values before update: [[1.008114 1.0386771]]

Q-values after update: [[0.99647474 1.0275708 ]]

Designated Priority: 1

Q-values before update: [[0.99793196 1.0251707 ]]

Q-values after update: [[0.98709005 1.0147562 ]]

Designated Priority: 1

Q-values before update: [[0.98904485 1.0122428 ]]

Q-values after update: [[0.97915685 1.0031333 ]]

Designated Priority: 1

Q-values before update: [[0.9812131 1.0002704]]

Q-values after update: [[0.9724918 0.99311346]]

Designated Priority: 1

Q-values before update: [[0.9731288 0.98848146]]

Q-values after update: [[0.96650594 0.98235875]]

Designated Priority: 1

Q-values before update: [[0.9712545 0.9881243]]

Q-values after update: [[0.9672897 0.9836538]]

Designated Priority: 1

Q-values before update: [[0.97018313 0.9882884 ]]

Q-values after update: [[0.9672997 0.98576385]]

Designated Priority: 1

Q-values before update: [[0.9662131 0.9800172]]

Q-values after update: [[0.9640986 0.97957796]]

Designated Priority: 1

Q-values before update: [[0.95669645 0.9644425 ]]

Q-values after update: [[0.9560598 0.9675863]]

Designated Priority: 1

Q-values before update: [[0.9469255 0.94441026]]

Q-values after update: [[0.9490112 0.9531338]]

Designated Priority: 1

Q-values before update: [[0.9397565 0.92943525]]

Q-values after update: [[0.94714534 0.9411763 ]]

Designated Priority: 3

Q-values before update: [[0.95459616 0.95313644]]

Q-values after update: [[0.97229564 0.9702538 ]]

Episode 66 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [ 0.1896522 0.9873133 -0.23953253 -1.6374933 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[0.97424185 1.0202084 ]]

Q-values after update: [[0.98298866 1.0271027 ]]

Designated Priority: 1

Q-values before update: [[0.9828843 1.0234947]]

Q-values after update: [[0.99123526 1.0299981 ]]

Designated Priority: 1

Q-values before update: [[0.9928763 1.0281985]]

Q-values after update: [[1.0014687 1.0348363]]

Designated Priority: 1

Q-values before update: [[1.0017881 1.0374911]]

Q-values after update: [[1.008861 1.0421324]]

Designated Priority: 1

Q-values before update: [[1.0109591 1.0405672]]

Q-values after update: [[1.0175151 1.0444038]]

Designated Priority: 1

Q-values before update: [[1.021873 1.0451998]]

Q-values after update: [[1.0279099 1.0483032]]

Designated Priority: 1

Q-values before update: [[1.0332812 1.0494993]]

Q-values after update: [[1.038779 1.0518308]]

Designated Priority: 1

Q-values before update: [[1.0451698 1.0535808]]

Q-values after update: [[1.0501243 1.055186 ]]

Designated Priority: 1

Q-values before update: [[1.0544808 1.0506234]]

Q-values after update: [[1.058643 1.0526619]]

Designated Priority: 1

Q-values before update: [[1.0608351 1.0578855]]

Q-values after update: [[1.0624973 1.0581895]]

Designated Priority: 1

Q-values before update: [[1.0633377 1.0600468]]

Q-values after update: [[1.0627575 1.0591596]]

Designated Priority: 1

Q-values before update: [[1.0638239 1.0622251]]

Q-values after update: [[1.0611619 1.0604374]]

Designated Priority: 3

Q-values before update: [[1.0615755 1.0631766]]

Q-values after update: [[1.0536923 1.0470437]]

Episode 67 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [ 0.16545542 0.64085805 -0.21936421 -1.1680713 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[1.0211489 1.0398278]]

Q-values after update: [[1.0155289 1.0273491]]

Designated Priority: 1

Q-values before update: [[1.0134039 1.0286703]]

Q-values after update: [[1.0081959 1.0166283]]

Designated Priority: 1

Q-values before update: [[1.0095755 1.0149486]]

Q-values after update: [[1.0047002 1.0038745]]

Designated Priority: 1

Q-values before update: [[1.0066817 1.002401 ]]

Q-values after update: [[1.0018718 0.9922136]]

Designated Priority: 1

Q-values before update: [[1.0010822 0.9945977]]

Q-values after update: [[0.9976069 0.98590064]]

Designated Priority: 1

Q-values before update: [[0.9962344 0.98808753]]

Q-values after update: [[0.9947553 0.98099864]]

Designated Priority: 1

Q-values before update: [[0.9928214 0.9830108]]

Q-values after update: [[0.99368995 0.9775688 ]]

Designated Priority: 1

Q-values before update: [[0.9911171 0.9795306]]

Q-values after update: [[0.99464333 0.9757823 ]]

Designated Priority: 1

Q-values before update: [[0.9894481 0.9791144]]

Q-values after update: [[0.9961792 0.97717565]]

Designated Priority: 1

Q-values before update: [[0.9616966 0.96865165]]

Q-values after update: [[0.9736916 0.9696166]]

Designated Priority: 1

Q-values before update: [[0.9390811 0.9616395]]

Q-values after update: [[0.9534077 0.96932507]]

Designated Priority: 1

Q-values before update: [[0.9683105 0.96741384]]

Q-values after update: [[0.98286086 0.9783567 ]]

Designated Priority: 1

Q-values before update: [[1.0001236 0.97820747]]

Q-values after update: [[1.0163776 0.98892 ]]

Designated Priority: 1

Q-values before update: [[0.9823784 0.9827159]]

Q-values after update: [[1.0039619 0.9960666]]

Designated Priority: 1

Q-values before update: [[0.97169304 0.9913713 ]]

Q-values after update: [[0.9957236 1.010432 ]]

Designated Priority: 3

Q-values before update: [[1.003737 1.004855]]

Q-values after update: [[1.0239587 1.0199116]]

Episode 68 out of total 100, Total Reward: 16.0, Epsilon: 0.75, Current State: [-0.23841463 -0.8188601 0.21022333 1.2487656 ], Steps Taken: 16

Designated Priority: 1

Q-values before update: [[1.0762525 0.9951091]]

Q-values after update: [[1.0847229 1.0015805]]

Designated Priority: 1

Q-values before update: [[1.0904355 1.0104138]]

Q-values after update: [[1.0960305 1.0159582]]

Designated Priority: 1

Q-values before update: [[1.1015956 1.025582 ]]

Q-values after update: [[1.1042484 1.0300705]]

Designated Priority: 1

Q-values before update: [[1.1084565 1.0419391]]

Q-values after update: [[1.1082404 1.0452904]]

Designated Priority: 1

Q-values before update: [[1.1012597 1.0511371]]

Q-values after update: [[1.0998319 1.0539925]]

Designated Priority: 1

Q-values before update: [[1.0769463 1.0570968]]

Q-values after update: [[1.0748765 1.0595746]]

Designated Priority: 1

Q-values before update: [[1.0503867 1.0623987]]

Q-values after update: [[1.0483043 1.063901 ]]

Designated Priority: 3

Q-values before update: [[1.050761 1.0532618]]

Q-values after update: [[1.0412031 1.0387659]]

Episode 69 out of total 100, Total Reward: 8.0, Epsilon: 0.75, Current State: [-0.07366998 -0.7806259 0.21512209 1.4258373 ], Steps Taken: 8

Designated Priority: 1

Q-values before update: [[1.0827838 1.0131669]]

Q-values after update: [[1.0743682 1.0029862]]

Designated Priority: 1

Q-values before update: [[1.080394 1.0126257]]

Q-values after update: [[1.0706457 1.0023859]]

Designated Priority: 1

Q-values before update: [[1.0757307 1.0114061]]

Q-values after update: [[1.0653377 1.001334 ]]

Designated Priority: 1

Q-values before update: [[1.0687418 1.0108926]]

Q-values after update: [[1.0584912 1.0011808]]

Designated Priority: 1

Q-values before update: [[1.0617158 1.0123466]]

Q-values after update: [[1.0523196 1.0033562]]

Designated Priority: 1

Q-values before update: [[1.0374435 1.0077089]]

Q-values after update: [[1.0304103 0.99990386]]

Designated Priority: 1

Q-values before update: [[1.0050768 0.99980813]]

Q-values after update: [[1.00303 0.99459195]]

Designated Priority: 1

Q-values before update: [[0.9758134 0.9934399]]

Q-values after update: [[0.9818013 0.992471 ]]

Designated Priority: 1

Q-values before update: [[0.95320034 0.99062055]]

Q-values after update: [[0.96313643 0.99751174]]

Designated Priority: 3

Q-values before update: [[0.9641074 0.9853567]]

Q-values after update: [[0.9844668 0.99715227]]

Episode 70 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.18131341 -1.5802783 0.21946958 2.48838 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0350168 0.9536808]]

Q-values after update: [[1.0425593 0.9581637]]

Designated Priority: 1

Q-values before update: [[1.0354128 0.9484461]]

Q-values after update: [[1.0404749 0.95149434]]

Designated Priority: 1

Q-values before update: [[1.0488392 0.96205854]]

Q-values after update: [[1.0528902 0.964955 ]]

Designated Priority: 1

Q-values before update: [[1.0615255 0.9760337]]

Q-values after update: [[1.064702 0.97880274]]

Designated Priority: 1

Q-values before update: [[1.0743685 0.9907553]]

Q-values after update: [[1.0780988 0.9945438]]

Designated Priority: 1

Q-values before update: [[1.0660889 0.9817422]]

Q-values after update: [[1.0674894 0.9841671]]

Designated Priority: 1

Q-values before update: [[1.0783917 0.99717283]]

Q-values after update: [[1.0784808 0.9991201]]

Designated Priority: 1

Q-values before update: [[1.0891986 1.0140941]]

Q-values after update: [[1.0879085 1.0155282]]

Designated Priority: 1

Q-values before update: [[1.0984124 1.03288 ]]

Q-values after update: [[1.0956645 1.0336194]]

Designated Priority: 1

Q-values before update: [[1.0974972 1.0465248]]

Q-values after update: [[1.0944955 1.0469667]]

Designated Priority: 1

Q-values before update: [[1.082386 1.056572]]

Q-values after update: [[1.0796552 1.0570234]]

Designated Priority: 1

Q-values before update: [[1.0662148 1.066149 ]]

Q-values after update: [[1.065633 1.0676082]]

Designated Priority: 3

Q-values before update: [[1.0509253 1.0763153]]

Q-values after update: [[1.0336318 1.0451105]]

Episode 71 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [-0.1404348 -1.4227742 0.24639304 2.3056204 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[1.0330783 0.95594984]]

Q-values after update: [[1.0260097 0.9430287]]

Designated Priority: 1

Q-values before update: [[1.0358497 0.9543403]]

Q-values after update: [[1.0283766 0.9416934]]

Designated Priority: 1

Q-values before update: [[1.0374732 0.9521774]]

Q-values after update: [[1.0300418 0.94002575]]

Designated Priority: 1

Q-values before update: [[1.0379908 0.949517 ]]

Q-values after update: [[1.0310369 0.9380528]]

Designated Priority: 1

Q-values before update: [[1.037993 0.94686794]]

Q-values after update: [[1.0320312 0.936188 ]]

Designated Priority: 1

Q-values before update: [[1.0376441 0.945763 ]]

Q-values after update: [[1.0330775 0.93614316]]

Designated Priority: 1

Q-values before update: [[1.0227891 0.9360442]]

Q-values after update: [[1.0208716 0.92777485]]

Designated Priority: 1

Q-values before update: [[1.0024126 0.9264662]]

Q-values after update: [[1.0052205 0.9208845]]

Designated Priority: 1

Q-values before update: [[0.9850215 0.91844153]]

Q-values after update: [[0.99490356 0.9168941 ]]

Designated Priority: 3

Q-values before update: [[0.97342277 0.9136598 ]]

Q-values after update: [[0.9925837 0.9175111]]

Episode 72 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.15126589 -1.9763435 0.23615547 3.0130126 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.017775 0.8850461]]

Q-values after update: [[1.0266603 0.8878491]]

Designated Priority: 1

Q-values before update: [[1.0184495 0.8802994]]

Q-values after update: [[1.0272942 0.88631743]]

Designated Priority: 1

Q-values before update: [[1.0199363 0.8792933]]

Q-values after update: [[1.0268831 0.8842104]]

Designated Priority: 1

Q-values before update: [[1.0359404 0.8917424]]

Q-values after update: [[1.0414935 0.89605135]]

Designated Priority: 1

Q-values before update: [[1.0512767 0.90439516]]

Q-values after update: [[1.0552524 0.9080087]]

Designated Priority: 1

Q-values before update: [[1.0657539 0.9169518]]

Q-values after update: [[1.0683167 0.9199369]]

Designated Priority: 1

Q-values before update: [[1.0788088 0.9290631]]

Q-values after update: [[1.0798223 0.9313328]]

Designated Priority: 1

Q-values before update: [[1.0901943 0.94064593]]

Q-values after update: [[1.0896442 0.94216377]]

Designated Priority: 1

Q-values before update: [[1.0998534 0.95156145]]

Q-values after update: [[1.0977702 0.9522873]]

Designated Priority: 1

Q-values before update: [[1.1076579 0.9616071]]

Q-values after update: [[1.1041439 0.96153295]]

Designated Priority: 1

Q-values before update: [[1.1135622 0.9715208]]

Q-values after update: [[1.1087141 0.97051716]]

Designated Priority: 1

Q-values before update: [[1.1110649 0.9765129]]

Q-values after update: [[1.1101596 0.9810029]]

Designated Priority: 1

Q-values before update: [[1.1000255 0.9725822]]

Q-values after update: [[1.0975108 0.9755062]]

Designated Priority: 1

Q-values before update: [[1.091893 0.9764495]]

Q-values after update: [[1.0900955 0.97939646]]

Designated Priority: 1

Q-values before update: [[1.0828776 0.97951627]]

Q-values after update: [[1.0828235 0.9830695]]

Designated Priority: 3

Q-values before update: [[1.0728518 0.9833378]]

Q-values after update: [[1.0466094 0.9715123]]

Episode 73 out of total 100, Total Reward: 16.0, Epsilon: 0.75, Current State: [-0.18688165 -1.912569 0.25598264 2.9779994 ], Steps Taken: 16

Designated Priority: 1

Q-values before update: [[1.0178446 0.9206691]]

Q-values after update: [[1.0061167 0.91828704]]

Designated Priority: 1

Q-values before update: [[1.0156295 0.9266223]]

Q-values after update: [[1.0045093 0.9239057]]

Designated Priority: 1

Q-values before update: [[1.0132662 0.9318001]]

Q-values after update: [[1.0032978 0.92907065]]

Designated Priority: 1

Q-values before update: [[1.0108802 0.93619967]]

Q-values after update: [[1.0025187 0.9364042]]

Designated Priority: 1

Q-values before update: [[0.9930854 0.9288912]]

Q-values after update: [[0.9874221 0.9299183]]

Designated Priority: 1

Q-values before update: [[0.9940469 0.93630075]]

Q-values after update: [[0.99025935 0.93762636]]

Designated Priority: 1

Q-values before update: [[0.9959044 0.9438889]]

Q-values after update: [[0.9943291 0.94578993]]

Designated Priority: 1

Q-values before update: [[0.9930768 0.94849944]]

Q-values after update: [[0.9939674 0.9511473]]

Designated Priority: 1

Q-values before update: [[0.9810791 0.94588476]]

Q-values after update: [[0.9863608 0.950611 ]]

Designated Priority: 3

Q-values before update: [[0.97188056 0.9444953 ]]

Q-values after update: [[0.9839857 0.9531548]]

Episode 74 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.16307792 -1.577518 0.22154595 2.5463543 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[0.9907436 0.93201417]]

Q-values after update: [[0.9981822 0.9366618]]

Designated Priority: 1

Q-values before update: [[1.0056622 0.94356763]]

Q-values after update: [[1.0129924 0.9481772]]

Designated Priority: 1

Q-values before update: [[1.0203846 0.95526016]]

Q-values after update: [[1.027422 0.9597385]]

Designated Priority: 1

Q-values before update: [[1.0346763 0.9669602]]

Q-values after update: [[1.0413134 0.97124803]]

Designated Priority: 1

Q-values before update: [[1.0485365 0.97878647]]

Q-values after update: [[1.0546858 0.9828285]]

Designated Priority: 1

Q-values before update: [[1.0616279 0.9909462]]

Q-values after update: [[1.0672383 0.9947012]]

Designated Priority: 1

Q-values before update: [[1.0714226 1.0017946]]

Q-values after update: [[1.0769415 1.0055647]]

Designated Priority: 1

Q-values before update: [[1.0669322 1.0029373]]

Q-values after update: [[1.0727719 1.0069224]]

Designated Priority: 1

Q-values before update: [[1.0582926 1.0051246]]

Q-values after update: [[1.065839 1.010097]]

Designated Priority: 3

Q-values before update: [[1.0500703 1.0077194]]

Q-values after update: [[1.0387504 1.0015275]]

Episode 75 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.12167257 -1.905774 0.2267014 3.0506294 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.034162 0.9643436]]

Q-values after update: [[1.0300924 0.9633534]]

Designated Priority: 1

Q-values before update: [[1.0388398 0.9714649]]

Q-values after update: [[1.0350727 0.97119004]]

Designated Priority: 1

Q-values before update: [[1.0261655 0.96326494]]

Q-values after update: [[1.0228425 0.9632015]]

Designated Priority: 1

Q-values before update: [[1.0307429 0.9706466]]

Q-values after update: [[1.0272542 0.97025144]]

Designated Priority: 1

Q-values before update: [[1.0344994 0.97736675]]

Q-values after update: [[1.0311236 0.97678816]]

Designated Priority: 1

Q-values before update: [[1.0376134 0.98346174]]

Q-values after update: [[1.0346401 0.9828584]]

Designated Priority: 1

Q-values before update: [[1.0404066 0.9891341]]

Q-values after update: [[1.0381587 0.9886935]]

Designated Priority: 1

Q-values before update: [[1.0430833 0.9950608]]

Q-values after update: [[1.0419184 0.99501026]]

Designated Priority: 1

Q-values before update: [[1.0334457 0.99281263]]

Q-values after update: [[1.034088 0.99354386]]

Designated Priority: 1

Q-values before update: [[1.0162671 0.98853624]]

Q-values after update: [[1.0208082 0.99147975]]

Designated Priority: 1

Q-values before update: [[1.0008922 0.9858339]]

Q-values after update: [[1.0118358 0.9925066]]

Designated Priority: 3

Q-values before update: [[0.9906901 0.9863592]]

Q-values after update: [[1.0046866 0.9949939]]

Episode 76 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [-0.18918955 -1.9711388 0.2606652 3.1015203 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[1.031325 0.97085255]]

Q-values after update: [[1.0368172 0.9734125]]

Designated Priority: 1

Q-values before update: [[1.0450408 0.98107934]]

Q-values after update: [[1.0506538 0.98436797]]

Designated Priority: 1

Q-values before update: [[1.0410256 0.9758259]]

Q-values after update: [[1.0446155 0.9780277]]

Designated Priority: 1

Q-values before update: [[1.0537229 0.98645175]]

Q-values after update: [[1.0561423 0.9882742]]

Designated Priority: 1

Q-values before update: [[1.0651437 0.99680567]]

Q-values after update: [[1.0663772 0.9981978]]

Designated Priority: 1

Q-values before update: [[1.0751839 1.0068276]]

Q-values after update: [[1.0752457 1.0077407]]

Designated Priority: 1

Q-values before update: [[1.0838277 1.0164323]]

Q-values after update: [[1.0827688 1.0168289]]

Designated Priority: 1

Q-values before update: [[1.0910282 1.0257717]]

Q-values after update: [[1.0889556 1.0256298]]

Designated Priority: 1

Q-values before update: [[1.0959755 1.0349472]]

Q-values after update: [[1.0933965 1.0345432]]

Designated Priority: 1

Q-values before update: [[1.0832012 1.0330873]]

Q-values after update: [[1.08107 1.0327723]]

Designated Priority: 1

Q-values before update: [[1.067174 1.0315919]]

Q-values after update: [[1.0671718 1.0324143]]

Designated Priority: 3

Q-values before update: [[1.0518813 1.0305547]]

Q-values after update: [[1.0329016 1.0197651]]

Episode 77 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [-0.14993471 -1.9097055 0.23570679 3.0414984 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[1.0263408 0.9748399]]

Q-values after update: [[1.0174727 0.9715673]]

Designated Priority: 1

Q-values before update: [[1.0262619 0.97996604]]

Q-values after update: [[1.0175871 0.97647077]]

Designated Priority: 1

Q-values before update: [[1.0253165 0.9842313]]

Q-values after update: [[1.0172552 0.9807446]]

Designated Priority: 1

Q-values before update: [[1.0240748 0.9879219]]

Q-values after update: [[1.0170585 0.9846969]]

Designated Priority: 1

Q-values before update: [[1.0230538 0.99144787]]

Q-values after update: [[1.0175016 0.98872447]]

Designated Priority: 1

Q-values before update: [[1.022676 0.9949546]]

Q-values after update: [[1.0182927 0.99441373]]

Designated Priority: 1

Q-values before update: [[1.0091915 0.98694277]]

Q-values after update: [[1.0070689 0.98731273]]

Designated Priority: 1

Q-values before update: [[1.0113025 0.99298584]]

Q-values after update: [[1.0110431 0.99401915]]

Designated Priority: 1

Q-values before update: [[0.99723417 0.98830557]]

Q-values after update: [[1.0005033 0.9911416]]

Designated Priority: 1

Q-values before update: [[0.9816994 0.9858971]]

Q-values after update: [[0.9872899 0.99342525]]

Designated Priority: 3

Q-values before update: [[0.98535365 0.9871819 ]]

Q-values after update: [[0.9918983 0.9971005]]

Episode 78 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.13092782 -1.0294807 0.23845357 1.6522709 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[0.99986386 0.97985697]]

Q-values after update: [[1.0034825 0.9865989]]

Designated Priority: 1

Q-values before update: [[0.99640125 0.979147 ]]

Q-values after update: [[0.99943316 0.98488253]]

Designated Priority: 1

Q-values before update: [[1.0069207 0.99264115]]

Q-values after update: [[1.01009 0.99859273]]

Designated Priority: 1

Q-values before update: [[1.0024583 0.99040914]]

Q-values after update: [[1.0049694 0.9954211]]

Designated Priority: 1

Q-values before update: [[1.0129797 1.0038687]]

Q-values after update: [[1.0155108 1.0087544]]

Designated Priority: 1

Q-values before update: [[1.0074394 0.9998045]]

Q-values after update: [[1.0092963 1.0038536]]

Designated Priority: 1

Q-values before update: [[1.0177295 1.0130364]]

Q-values after update: [[1.0192229 1.0167873]]

Designated Priority: 1

Q-values before update: [[1.0279565 1.0262012]]

Q-values after update: [[1.0292375 1.0297074]]

Designated Priority: 1

Q-values before update: [[1.0376666 1.0391872]]

Q-values after update: [[1.0385331 1.0413245]]

Designated Priority: 1

Q-values before update: [[1.0282722 1.0310514]]

Q-values after update: [[1.0286009 1.031827 ]]

Designated Priority: 1

Q-values before update: [[1.0188022 1.0216457]]

Q-values after update: [[1.0186974 1.0221058]]

Designated Priority: 1

Q-values before update: [[1.0280995 1.0322695]]

Q-values after update: [[1.0277452 1.031791 ]]

Designated Priority: 1

Q-values before update: [[1.0179077 1.0214937]]

Q-values after update: [[1.0172843 1.0208926]]

Designated Priority: 1

Q-values before update: [[1.0268021 1.0312119]]

Q-values after update: [[1.025991 1.029841]]

Designated Priority: 1

Q-values before update: [[1.0162017 1.0195001]]

Q-values after update: [[1.0153878 1.0180838]]

Designated Priority: 1

Q-values before update: [[1.0069289 1.007875 ]]

Q-values after update: [[1.006335 1.0070622]]

Designated Priority: 1

Q-values before update: [[0.99834776 0.99694777]]

Q-values after update: [[0.9983396 0.99642444]]

Designated Priority: 1

Q-values before update: [[1.0079446 1.0068437]]

Q-values after update: [[1.00794 1.0063766]]

Designated Priority: 1

Q-values before update: [[1.0171442 1.0167717]]

Q-values after update: [[1.0169485 1.0162826]]

Designated Priority: 1

Q-values before update: [[1.0263196 1.0269591]]

Q-values after update: [[1.025937 1.0259125]]

Designated Priority: 1

Q-values before update: [[1.0163519 1.0151565]]

Q-values after update: [[1.0159844 1.014206 ]]

Designated Priority: 1

Q-values before update: [[1.0252101 1.024806 ]]

Q-values after update: [[1.0248008 1.0239167]]

Designated Priority: 1

Q-values before update: [[1.034203 1.0348077]]

Q-values after update: [[1.0335745 1.0332482]]

Designated Priority: 1

Q-values before update: [[1.0230488 1.0221742]]

Q-values after update: [[1.0223837 1.0204846]]

Designated Priority: 1

Q-values before update: [[1.0134928 1.0101885]]

Q-values after update: [[1.0129267 1.0086987]]

Designated Priority: 1

Q-values before update: [[1.0219455 1.0191618]]

Q-values after update: [[1.0214231 1.0178018]]

Designated Priority: 1

Q-values before update: [[1.0308164 1.0286574]]

Q-values after update: [[1.0301459 1.0268917]]

Designated Priority: 1

Q-values before update: [[1.0202346 1.0162575]]

Q-values after update: [[1.0195742 1.0146681]]

Designated Priority: 1

Q-values before update: [[1.0287702 1.0253906]]

Q-values after update: [[1.0280316 1.0235865]]

Designated Priority: 1

Q-values before update: [[1.0185326 1.0132405]]

Q-values after update: [[1.0177968 1.0116107]]

Designated Priority: 1

Q-values before update: [[1.0267217 1.0221679]]

Q-values after update: [[1.026537 1.020881]]

Designated Priority: 1

Q-values before update: [[1.0357778 1.0318801]]

Q-values after update: [[1.036454 1.0310707]]

Designated Priority: 1

Q-values before update: [[1.0453569 1.0418243]]

Q-values after update: [[1.0474001 1.0417321]]

Designated Priority: 1

Q-values before update: [[1.0559871 1.0522519]]

Q-values after update: [[1.0597858 1.0530877]]

Designated Priority: 1

Q-values before update: [[1.0681716 1.0636151]]

Q-values after update: [[1.0739204 1.065531 ]]

Designated Priority: 1

Q-values before update: [[1.0822061 1.0761418]]

Q-values after update: [[1.0900154 1.0792661]]

Designated Priority: 1

Q-values before update: [[1.0947571 1.0915332]]

Q-values after update: [[1.1048621 1.0960054]]

Designated Priority: 1

Q-values before update: [[1.1017965 1.1031115]]

Q-values after update: [[1.1125214 1.1097659]]

Designated Priority: 1

Q-values before update: [[1.1082944 1.1006103]]

Q-values after update: [[1.1201725 1.1076696]]

Designated Priority: 1

Q-values before update: [[1.1087661 1.110162 ]]

Q-values after update: [[1.1212174 1.1191323]]

Designated Priority: 1

Q-values before update: [[1.1153438 1.1085434]]

Q-values after update: [[1.1286131 1.1176157]]

Designated Priority: 3

Q-values before update: [[1.1175393 1.1215487]]

Q-values after update: [[1.1035097 1.0844755]]

Episode 79 out of total 100, Total Reward: 42.0, Epsilon: 0.75, Current State: [-0.2942633 -1.5240225 0.2236284 1.8562355], Steps Taken: 42

Designated Priority: 1

Q-values before update: [[1.0586302 0.9987474]]

Q-values after update: [[1.0555594 0.98087204]]

Designated Priority: 1

Q-values before update: [[1.0664927 0.991109 ]]

Q-values after update: [[1.0614022 0.9735377]]

Designated Priority: 1

Q-values before update: [[1.0709821 0.9823983]]

Q-values after update: [[1.0643067 0.9652859]]

Designated Priority: 1

Q-values before update: [[1.0726514 0.9730545]]

Q-values after update: [[1.0649085 0.956602 ]]

Designated Priority: 1

Q-values before update: [[1.0719179 0.9631692]]

Q-values after update: [[1.0654179 0.9502914]]

Designated Priority: 1

Q-values before update: [[1.0549309 0.942545 ]]

Q-values after update: [[1.049146 0.9314536]]

Designated Priority: 1

Q-values before update: [[1.0550568 0.9366281]]

Q-values after update: [[1.049304 0.92619056]]

Designated Priority: 1

Q-values before update: [[1.0468272 0.9254311]]

Q-values after update: [[1.0410912 0.91540825]]

Designated Priority: 1

Q-values before update: [[1.025072 0.9061518]]

Q-values after update: [[1.0217361 0.8978034]]

Designated Priority: 3

Q-values before update: [[1.0011159 0.8876271]]

Q-values after update: [[0.9976186 0.87956214]]

Episode 80 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.09975643 -1.614372 0.21249598 2.5216954 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0214298 0.8920064]]

Q-values after update: [[1.0203373 0.88716626]]

Designated Priority: 1

Q-values before update: [[1.0256099 0.8908065]]

Q-values after update: [[1.0247084 0.8863452]]

Designated Priority: 1

Q-values before update: [[1.0297111 0.88977474]]

Q-values after update: [[1.02911 0.885707]]

Designated Priority: 1

Q-values before update: [[1.0334408 0.8887007]]

Q-values after update: [[1.0334194 0.8851397]]

Designated Priority: 1

Q-values before update: [[1.0370243 0.8876109]]

Q-values after update: [[1.0378399 0.884679 ]]

Designated Priority: 1

Q-values before update: [[1.0351427 0.88293576]]

Q-values after update: [[1.0372506 0.8808284]]

Designated Priority: 1

Q-values before update: [[1.0198087 0.8691107]]

Q-values after update: [[1.0247903 0.8687111]]

Designated Priority: 1

Q-values before update: [[1.0045923 0.8565451]]

Q-values after update: [[1.0144932 0.8588501]]

Designated Priority: 3

Q-values before update: [[0.98943883 0.84640276]]

Q-values after update: [[1.0021492 0.8505317]]

Episode 81 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.1917962 -1.8059021 0.23997805 2.8026702 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0392351 0.8678255]]

Q-values after update: [[1.0445167 0.86806417]]

Designated Priority: 1

Q-values before update: [[1.0510975 0.8718792]]

Q-values after update: [[1.0550865 0.8719251]]

Designated Priority: 1

Q-values before update: [[1.0615871 0.87579226]]

Q-values after update: [[1.0642016 0.8755515]]

Designated Priority: 1

Q-values before update: [[1.0703793 0.8794267]]

Q-values after update: [[1.0716552 0.8788469]]

Designated Priority: 1

Q-values before update: [[1.0773709 0.8824862]]

Q-values after update: [[1.0773994 0.8815398]]

Designated Priority: 1

Q-values before update: [[1.0807219 0.88382053]]

Q-values after update: [[1.0801677 0.8828727]]

Designated Priority: 1

Q-values before update: [[1.0658365 0.8733305]]

Q-values after update: [[1.0653254 0.8724235]]

Designated Priority: 1

Q-values before update: [[1.0493162 0.862839 ]]

Q-values after update: [[1.0543314 0.8702682]]

Designated Priority: 3

Q-values before update: [[1.0456896 0.8650694]]

Q-values after update: [[1.0660605 0.89734244]]

Episode 82 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.0889153 -0.94970495 0.2364822 1.711142 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.058854 0.8893049]]

Q-values after update: [[1.0639045 0.9077835]]

Designated Priority: 1

Q-values before update: [[1.0746056 0.91541314]]

Q-values after update: [[1.078366 0.9327394]]

Designated Priority: 1

Q-values before update: [[1.0896207 0.94132876]]

Q-values after update: [[1.0918272 0.9573677]]

Designated Priority: 1

Q-values before update: [[1.1034302 0.9667603]]

Q-values after update: [[1.1038115 0.9813359]]

Designated Priority: 1

Q-values before update: [[1.1156343 0.99137795]]

Q-values after update: [[1.1139439 1.0042982]]

Designated Priority: 1

Q-values before update: [[1.1258761 1.0148969]]

Q-values after update: [[1.1219205 1.0259705]]

Designated Priority: 1

Q-values before update: [[1.1337949 1.0371059]]

Q-values after update: [[1.1274471 1.0462368]]

Designated Priority: 1

Q-values before update: [[1.1339686 1.0548083]]

Q-values after update: [[1.1267952 1.0628587]]

Designated Priority: 1

Q-values before update: [[1.1221726 1.0638618]]

Q-values after update: [[1.1140764 1.0704339]]

Designated Priority: 3

Q-values before update: [[1.1052991 1.0714592]]

Q-values after update: [[1.0830768 1.0535874]]

Episode 83 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.1265241 -1.5334103 0.25003943 2.4749827 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0253404 0.98072034]]

Q-values after update: [[1.0140432 0.9731507]]

Designated Priority: 1

Q-values before update: [[1.0259173 0.9840585]]

Q-values after update: [[1.0149622 0.97652376]]

Designated Priority: 1

Q-values before update: [[1.0256419 0.9866038]]

Q-values after update: [[1.015445 0.9793346]]

Designated Priority: 1

Q-values before update: [[1.0250248 0.9885191]]

Q-values after update: [[1.0159931 0.9817416]]

Designated Priority: 1

Q-values before update: [[1.0245646 0.99016494]]

Q-values after update: [[1.0171014 0.98411286]]

Designated Priority: 1

Q-values before update: [[1.0248008 0.99189615]]

Q-values after update: [[1.0192983 0.9868161]]

Designated Priority: 1

Q-values before update: [[1.0262173 0.9941378]]

Q-values after update: [[1.0230956 0.9902904]]

Designated Priority: 1

Q-values before update: [[1.0197282 0.9906004]]

Q-values after update: [[1.0197906 0.9884974]]

Designated Priority: 1

Q-values before update: [[1.0089698 0.983552 ]]

Q-values after update: [[1.0142016 0.98439634]]

Designated Priority: 3

Q-values before update: [[0.9996016 0.97910213]]

Q-values after update: [[1.0046993 0.9800636]]

Episode 84 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.15628645 -2.003539 0.2516022 3.1100454 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[0.9824438 0.94310063]]

Q-values after update: [[0.9855095 0.9431385]]

Designated Priority: 1

Q-values before update: [[0.99463797 0.95101964]]

Q-values after update: [[0.9981444 0.951348 ]]

Designated Priority: 1

Q-values before update: [[1.0070798 0.95918787]]

Q-values after update: [[1.0109733 0.95978355]]

Designated Priority: 1

Q-values before update: [[1.0196598 0.9675475]]

Q-values after update: [[1.0239084 0.96839964]]

Designated Priority: 1

Q-values before update: [[1.0323341 0.9760525]]

Q-values after update: [[1.0369143 0.9771576]]

Designated Priority: 1

Q-values before update: [[1.045116 0.9847356]]

Q-values after update: [[1.0503447 0.98785055]]

Designated Priority: 1

Q-values before update: [[1.0373589 0.9776433]]

Q-values after update: [[1.0423521 0.98050284]]

Designated Priority: 1

Q-values before update: [[1.051334 0.9887054]]

Q-values after update: [[1.056478 0.9916377]]

Designated Priority: 1

Q-values before update: [[1.0652761 0.9998425]]

Q-values after update: [[1.0704923 1.0028113]]

Designated Priority: 1

Q-values before update: [[1.0724115 1.0067692]]

Q-values after update: [[1.0781418 1.0100719]]

Designated Priority: 3

Q-values before update: [[1.070256 1.0068827]]

Q-values after update: [[1.0744805 1.0081964]]

Episode 85 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.1331831 -1.3351916 0.21200788 2.1478887 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0180199 0.953224 ]]

Q-values after update: [[1.0204405 0.95372075]]

Designated Priority: 1

Q-values before update: [[1.0321257 0.96334565]]

Q-values after update: [[1.0338943 0.96365815]]

Designated Priority: 1

Q-values before update: [[1.0451761 0.97307944]]

Q-values after update: [[1.0461911 0.97314346]]

Designated Priority: 1

Q-values before update: [[1.0571238 0.98249304]]

Q-values after update: [[1.0585477 0.98363346]]

Designated Priority: 1

Q-values before update: [[1.0452986 0.973212 ]]

Q-values after update: [[1.0458239 0.9739071]]

Designated Priority: 1

Q-values before update: [[1.0570415 0.9834348]]

Q-values after update: [[1.0567925 0.9837767]]

Designated Priority: 1

Q-values before update: [[1.067618 0.99320483]]

Q-values after update: [[1.0679708 0.99474275]]

Designated Priority: 1

Q-values before update: [[1.0543666 0.984184 ]]

Q-values after update: [[1.054016 0.9852469]]

Designated Priority: 1

Q-values before update: [[1.0650868 0.994864 ]]

Q-values after update: [[1.0641108 0.9955489]]

Designated Priority: 1

Q-values before update: [[1.0743855 1.0055716]]

Q-values after update: [[1.0728037 1.0058582]]

Designated Priority: 3

Q-values before update: [[1.0682459 1.0049458]]

Q-values after update: [[1.0661347 1.0040255]]

Episode 86 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.11035823 -0.9680839 0.24513346 1.8090316 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0207717 0.9596569]]

Q-values after update: [[1.0190794 0.95915914]]

Designated Priority: 1

Q-values before update: [[1.0308244 0.96892935]]

Q-values after update: [[1.0289121 0.9683063]]

Designated Priority: 1

Q-values before update: [[1.0401982 0.9777914]]

Q-values after update: [[1.0388181 0.97819114]]

Designated Priority: 1

Q-values before update: [[1.0261282 0.9680095]]

Q-values after update: [[1.0247383 0.96831155]]

Designated Priority: 1

Q-values before update: [[1.0360707 0.97786295]]

Q-values after update: [[1.0346081 0.978047 ]]

Designated Priority: 1

Q-values before update: [[1.0453886 0.98731786]]

Q-values after update: [[1.043894 0.98740447]]

Designated Priority: 1

Q-values before update: [[1.0542295 0.9965488]]

Q-values after update: [[1.052763 0.9965674]]

Designated Priority: 1

Q-values before update: [[1.0626009 1.0054669]]

Q-values after update: [[1.0612476 1.0054625]]

Designated Priority: 1

Q-values before update: [[1.0703635 1.0143906]]

Q-values after update: [[1.0692978 1.0144552]]

Designated Priority: 1

Q-values before update: [[1.0633378 1.0123109]]

Q-values after update: [[1.0636007 1.0130323]]

Designated Priority: 3

Q-values before update: [[1.0555552 1.0095216]]

Q-values after update: [[1.0392097 1.0003786]]

Episode 87 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.15809149 -1.7444485 0.25214148 2.8671243 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0035576 0.9609053]]

Q-values after update: [[0.9965402 0.9585401]]

Designated Priority: 1

Q-values before update: [[1.0063077 0.9668709]]

Q-values after update: [[1.0001136 0.96455884]]

Designated Priority: 1

Q-values before update: [[1.0090513 0.9723116]]

Q-values after update: [[1.004002 0.9702509]]

Designated Priority: 1

Q-values before update: [[1.0120038 0.97741187]]

Q-values after update: [[1.0083579 0.9757723]]

Designated Priority: 1

Q-values before update: [[1.0155879 0.9824779]]

Q-values after update: [[1.0136155 0.9814506]]

Designated Priority: 1

Q-values before update: [[1.020117 0.9876738]]

Q-values after update: [[1.0201031 0.98747444]]

Designated Priority: 1

Q-values before update: [[1.0259603 0.99330795]]

Q-values after update: [[1.0282053 0.99418163]]

Designated Priority: 1

Q-values before update: [[1.0215366 0.99089074]]

Q-values after update: [[1.0265759 0.9931771]]

Designated Priority: 1

Q-values before update: [[1.0139446 0.9856579]]

Q-values after update: [[1.0239468 0.9909286]]

Designated Priority: 3

Q-values before update: [[1.009927 0.9825892]]

Q-values after update: [[1.0161486 0.98569775]]

Episode 88 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.21144997 -1.9662642 0.24210434 3.0559719 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[0.99696654 0.95798045]]

Q-values after update: [[1.0017402 0.959882 ]]

Designated Priority: 1

Q-values before update: [[1.010689 0.9675946]]

Q-values after update: [[1.015655 0.96962535]]

Designated Priority: 1

Q-values before update: [[1.0247117 0.97742504]]

Q-values after update: [[1.0297368 0.97952557]]

Designated Priority: 1

Q-values before update: [[1.038425 0.9871479]]

Q-values after update: [[1.0434228 0.98928225]]

Designated Priority: 1

Q-values before update: [[1.0518163 0.9968208]]

Q-values after update: [[1.0567268 0.9989648]]

Designated Priority: 1

Q-values before update: [[1.0647295 1.0063163]]

Q-values after update: [[1.0695114 1.0084513]]

Designated Priority: 1

Q-values before update: [[1.0724761 1.0122328]]

Q-values after update: [[1.0773743 1.0144932]]

Designated Priority: 1

Q-values before update: [[1.0670422 1.008884 ]]

Q-values after update: [[1.0730715 1.011867 ]]

Designated Priority: 3

Q-values before update: [[1.0611756 1.0052897]]

Q-values after update: [[1.0658162 1.0066464]]

Episode 89 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.17155334 -1.3852586 0.2442591 2.2339718 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0425385 0.9761377]]

Q-values after update: [[1.0447003 0.9763551]]

Designated Priority: 1

Q-values before update: [[1.0551302 0.9849056]]

Q-values after update: [[1.0559176 0.98466206]]

Designated Priority: 1

Q-values before update: [[1.0659281 0.99304605]]

Q-values after update: [[1.0653824 0.9923264]]

Designated Priority: 1

Q-values before update: [[1.0749009 1.0004721]]

Q-values after update: [[1.0731119 0.99927163]]

Designated Priority: 1

Q-values before update: [[1.0820893 1.0071144]]

Q-values after update: [[1.0791972 1.0054476]]

Designated Priority: 1

Q-values before update: [[1.0876155 1.0129782]]

Q-values after update: [[1.0838209 1.010892 ]]

Designated Priority: 1

Q-values before update: [[1.0916595 1.0180974]]

Q-values after update: [[1.087234 1.0156837]]

Designated Priority: 1

Q-values before update: [[1.0817419 1.0134624]]

Q-values after update: [[1.0776875 1.0112052]]

Designated Priority: 1

Q-values before update: [[1.0661936 1.0046601]]

Q-values after update: [[1.064059 1.0034713]]

Designated Priority: 3

Q-values before update: [[1.050523 0.99580026]]

Q-values after update: [[1.0311348 0.9843298]]

Episode 90 out of total 100, Total Reward: 10.0, Epsilon: 0.75, Current State: [-0.13392872 -1.9357321 0.24053842 3.0860677 ], Steps Taken: 10

Designated Priority: 1

Q-values before update: [[1.0167012 0.96156263]]

Q-values after update: [[1.0080708 0.9579361]]

Designated Priority: 1

Q-values before update: [[1.0164955 0.9649729]]

Q-values after update: [[1.0081531 0.961211 ]]

Designated Priority: 1

Q-values before update: [[1.0156814 0.9676153]]

Q-values after update: [[1.0080965 0.9639727]]

Designated Priority: 1

Q-values before update: [[1.0145957 0.96971357]]

Q-values after update: [[1.0081563 0.96640515]]

Designated Priority: 1

Q-values before update: [[1.0136496 0.97145915]]

Q-values after update: [[1.0087533 0.9687209]]

Designated Priority: 1

Q-values before update: [[1.0133396 0.9731668]]

Q-values after update: [[1.010403 0.9712677]]

Designated Priority: 1

Q-values before update: [[1.005015 0.9683081]]

Q-values after update: [[1.0044451 0.9674492]]

Designated Priority: 1

Q-values before update: [[0.98883057 0.95711535]]

Q-values after update: [[0.99277365 0.9587971 ]]

Designated Priority: 3

Q-values before update: [[0.9740484 0.9473598]]

Q-values after update: [[0.9848772 0.953218 ]]

Episode 91 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.12572235 -1.77892 0.22186056 2.814864 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[0.99610424 0.95216405]]

Q-values after update: [[1.0019889 0.9542309]]

Designated Priority: 1

Q-values before update: [[1.0089529 0.9599858]]

Q-values after update: [[1.01495 0.9622485]]

Designated Priority: 1

Q-values before update: [[1.0220535 0.9682305]]

Q-values after update: [[1.0280318 0.97060895]]

Designated Priority: 1

Q-values before update: [[1.0349534 0.97658193]]

Q-values after update: [[1.040869 0.97904265]]

Designated Priority: 1

Q-values before update: [[1.0475817 0.98494446]]

Q-values after update: [[1.0539196 0.9890274]]

Designated Priority: 1

Q-values before update: [[1.0428557 0.980473 ]]

Q-values after update: [[1.048324 0.98393244]]

Designated Priority: 1

Q-values before update: [[1.0558343 0.9904978]]

Q-values after update: [[1.0610178 0.993832 ]]

Designated Priority: 1

Q-values before update: [[1.068253 1.0003167]]

Q-values after update: [[1.0730942 1.0034889]]

Designated Priority: 1

Q-values before update: [[1.0800442 1.0098865]]

Q-values after update: [[1.084521 1.0128744]]

Designated Priority: 1

Q-values before update: [[1.078886 1.0100203]]

Q-values after update: [[1.083975 1.0134133]]

Designated Priority: 1

Q-values before update: [[1.0715728 1.0060651]]

Q-values after update: [[1.0781558 1.010351 ]]

Designated Priority: 3

Q-values before update: [[1.0613971 1.0022776]]

Q-values after update: [[1.0462534 0.99366546]]

Episode 92 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [-0.16685672 -1.9254762 0.24607803 2.997863 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[1.0398302 0.97627974]]

Q-values after update: [[1.0338767 0.9743737]]

Designated Priority: 1

Q-values before update: [[1.0424386 0.98140705]]

Q-values after update: [[1.0361593 0.97911054]]

Designated Priority: 1

Q-values before update: [[1.0437813 0.9854875]]

Q-values after update: [[1.037586 0.9830117]]

Designated Priority: 1

Q-values before update: [[1.0441685 0.98869693]]

Q-values after update: [[1.0384475 0.9862431]]

Designated Priority: 1

Q-values before update: [[1.0441331 0.99140525]]

Q-values after update: [[1.0394015 0.9906776]]

Designated Priority: 1

Q-values before update: [[1.0298679 0.9832753]]

Q-values after update: [[1.0266471 0.98313844]]

Designated Priority: 1

Q-values before update: [[1.0317976 0.98785007]]

Q-values after update: [[1.0297556 0.9880227]]

Designated Priority: 1

Q-values before update: [[1.0342102 0.9923234]]

Q-values after update: [[1.0336871 0.99303603]]

Designated Priority: 1

Q-values before update: [[1.0311195 0.992038 ]]

Q-values after update: [[1.0324519 0.99346566]]

Designated Priority: 1

Q-values before update: [[1.0158596 0.9823959]]

Q-values after update: [[1.021068 0.985968]]

Designated Priority: 1

Q-values before update: [[0.99902874 0.9738311 ]]

Q-values after update: [[1.0105695 0.9810781]]

Designated Priority: 3

Q-values before update: [[0.9869939 0.96801716]]

Q-values after update: [[1.0024774 0.97777367]]

Episode 93 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [-0.23232672 -1.9352683 0.26257294 3.0536902 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[1.0300884 0.98222667]]

Q-values after update: [[1.0369636 0.98559225]]

Designated Priority: 1

Q-values before update: [[1.0451062 0.99234885]]

Q-values after update: [[1.0512458 0.9955596]]

Designated Priority: 1

Q-values before update: [[1.0592244 1.002322 ]]

Q-values after update: [[1.0644896 1.0052768]]

Designated Priority: 1

Q-values before update: [[1.0722817 1.0120296]]

Q-values after update: [[1.0765946 1.014653 ]]

Designated Priority: 1

Q-values before update: [[1.0842804 1.021471 ]]

Q-values after update: [[1.0875851 1.0236913]]

Designated Priority: 1

Q-values before update: [[1.0950296 1.0304744]]

Q-values after update: [[1.0986674 1.0335221]]

Designated Priority: 1

Q-values before update: [[1.0857158 1.0233904]]

Q-values after update: [[1.0878754 1.0255306]]

Designated Priority: 1

Q-values before update: [[1.0960379 1.0329133]]

Q-values after update: [[1.0972688 1.034581 ]]

Designated Priority: 1

Q-values before update: [[1.1012436 1.0390472]]

Q-values after update: [[1.1021792 1.040605 ]]

Designated Priority: 1

Q-values before update: [[1.0908402 1.0339576]]

Q-values after update: [[1.0922416 1.0357224]]

Designated Priority: 3

Q-values before update: [[1.0775666 1.0280935]]

Q-values after update: [[1.0541589 1.015058 ]]

Episode 94 out of total 100, Total Reward: 11.0, Epsilon: 0.75, Current State: [-0.20329183 -1.7171044 0.2380981 2.7654912 ], Steps Taken: 11

Designated Priority: 1

Q-values before update: [[1.0396073 0.99088836]]

Q-values after update: [[1.0283113 0.98673236]]

Designated Priority: 1

Q-values before update: [[1.037123 0.9942745]]

Q-values after update: [[1.0259277 0.9897804]]

Designated Priority: 1

Q-values before update: [[1.0334003 0.9963404]]

Q-values after update: [[1.022859 0.9918153]]

Designated Priority: 1

Q-values before update: [[1.0290651 0.9974439]]

Q-values after update: [[1.019661 0.9931593]]

Designated Priority: 1

Q-values before update: [[1.0247059 0.99799293]]

Q-values after update: [[1.016947 0.99425066]]

Designated Priority: 1

Q-values before update: [[1.0202556 0.9977859]]

Q-values after update: [[1.014005 0.99438393]]

Designated Priority: 1

Q-values before update: [[0.99776745 0.98290324]]

Q-values after update: [[0.9954163 0.98150516]]

Designated Priority: 3

Q-values before update: [[0.9734466 0.968588 ]]

Q-values after update: [[0.97759354 0.9709922 ]]

Episode 95 out of total 100, Total Reward: 8.0, Epsilon: 0.75, Current State: [-0.14766322 -1.6030033 0.21531743 2.5263133 ], Steps Taken: 8

Designated Priority: 1

Q-values before update: [[1.0016594 0.981279 ]]

Q-values after update: [[1.0044976 0.98249745]]

Designated Priority: 1

Q-values before update: [[1.0104228 0.9875213]]

Q-values after update: [[1.0135901 0.9889102]]

Designated Priority: 1

Q-values before update: [[1.0190187 0.9936466]]

Q-values after update: [[1.0225737 0.9952286]]

Designated Priority: 1

Q-values before update: [[1.0275252 0.99969155]]

Q-values after update: [[1.0312403 1.0021961]]

Designated Priority: 1

Q-values before update: [[1.022739 0.9953463]]

Q-values after update: [[1.0264754 0.9977067]]

Designated Priority: 1

Q-values before update: [[1.0317988 1.0025108]]

Q-values after update: [[1.0358987 1.0050035]]

Designated Priority: 1

Q-values before update: [[1.0408108 1.0095763]]

Q-values after update: [[1.0453635 1.0122592]]

Designated Priority: 1

Q-values before update: [[1.0498502 1.0166594]]

Q-values after update: [[1.0547681 1.0206606]]

Designated Priority: 1

Q-values before update: [[1.0443771 1.0124948]]

Q-values after update: [[1.0493674 1.0162823]]

Designated Priority: 1

Q-values before update: [[1.0542889 1.0210438]]

Q-values after update: [[1.0598267 1.0250431]]

Designated Priority: 1

Q-values before update: [[1.0513004 1.0198466]]

Q-values after update: [[1.0583677 1.0246941]]

Designated Priority: 1

Q-values before update: [[1.0400609 1.0139391]]

Q-values after update: [[1.050038 1.0204698]]

Designated Priority: 3

Q-values before update: [[1.0283244 1.0087901]]

Q-values after update: [[1.0287404 1.0096065]]

Episode 96 out of total 100, Total Reward: 13.0, Epsilon: 0.75, Current State: [-0.22127795 -1.7249365 0.24767645 2.802449 ], Steps Taken: 13

Designated Priority: 1

Q-values before update: [[1.0438056 1.0031765]]

Q-values after update: [[1.0440168 1.0040636]]

Designated Priority: 1

Q-values before update: [[1.052264 1.0111133]]

Q-values after update: [[1.0511982 1.0114005]]

Designated Priority: 1

Q-values before update: [[1.0588024 1.0181075]]

Q-values after update: [[1.0566456 1.0178568]]

Designated Priority: 1

Q-values before update: [[1.0635028 1.0240928]]

Q-values after update: [[1.0604852 1.023379 ]]

Designated Priority: 1

Q-values before update: [[1.0665745 1.0291156]]

Q-values after update: [[1.0629729 1.0280383]]

Designated Priority: 1

Q-values before update: [[1.0682847 1.0332682]]

Q-values after update: [[1.0644331 1.0319679]]

Designated Priority: 1

Q-values before update: [[1.0574276 1.0277327]]

Q-values after update: [[1.0541052 1.0265642]]

Designated Priority: 1

Q-values before update: [[1.0333627 1.015291 ]]

Q-values after update: [[1.0325261 1.015465 ]]

Designated Priority: 3

Q-values before update: [[1.0096173 1.0027338]]

Q-values after update: [[1.0059456 1.001118 ]]

Episode 97 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.09452424 -1.7472708 0.23200102 2.798131 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0260426 1.0020113]]

Q-values after update: [[1.0235395 1.001313 ]]

Designated Priority: 1

Q-values before update: [[1.0310073 1.0078719]]

Q-values after update: [[1.0284393 1.0070807]]

Designated Priority: 1

Q-values before update: [[1.0351334 1.0131491]]

Q-values after update: [[1.0327111 1.0123587]]

Designated Priority: 1

Q-values before update: [[1.0387442 1.0180193]]

Q-values after update: [[1.0366893 1.0173343]]

Designated Priority: 1

Q-values before update: [[1.0419898 1.022501 ]]

Q-values after update: [[1.0405447 1.0220491]]

Designated Priority: 1

Q-values before update: [[1.0451326 1.0267498]]

Q-values after update: [[1.0445874 1.0267004]]

Designated Priority: 1

Q-values before update: [[1.0347172 1.0204597]]

Q-values after update: [[1.0361067 1.0214232]]

Designated Priority: 1

Q-values before update: [[1.0145261 1.009496 ]]

Q-values after update: [[1.0198593 1.0127286]]

Designated Priority: 3

Q-values before update: [[0.99645466 0.9995788 ]]

Q-values after update: [[1.0016508 1.0028788]]

Episode 98 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.14147961 -1.4002182 0.23764306 2.2239718 ], Steps Taken: 9

Designated Priority: 1

Q-values before update: [[1.0273418 1.005681 ]]

Q-values after update: [[1.029808 1.0069776]]

Designated Priority: 1

Q-values before update: [[1.0221622 0.9998671]]

Q-values after update: [[1.0237968 1.0007138]]

Designated Priority: 1

Q-values before update: [[1.0322167 1.0083618]]

Q-values after update: [[1.0332725 1.009033 ]]

Designated Priority: 1

Q-values before update: [[1.0413063 1.0161364]]

Q-values after update: [[1.0418406 1.0166354]]

Designated Priority: 1

Q-values before update: [[1.049378 1.023488]]

Q-values after update: [[1.0494725 1.0238295]]

Designated Priority: 1

Q-values before update: [[1.0565 1.030365]]

Q-values after update: [[1.0562878 1.0305855]]

Designated Priority: 1

Q-values before update: [[1.0628047 1.0368077]]

Q-values after update: [[1.0624611 1.0369706]]

Designated Priority: 1

Q-values before update: [[1.0684439 1.042882 ]]

Q-values after update: [[1.0681833 1.043081 ]]

Designated Priority: 1

Q-values before update: [[1.0736376 1.0486891]]

Q-values after update: [[1.0736985 1.0490468]]

Designated Priority: 1

Q-values before update: [[1.0571007 1.0400352]]

Q-values after update: [[1.0592505 1.0415744]]

Designated Priority: 1

Q-values before update: [[1.0390397 1.0308529]]

Q-values after update: [[1.0449905 1.0346776]]

Designated Priority: 3

Q-values before update: [[1.0231119 1.0228716]]

Q-values after update: [[1.0206769 1.021503 ]]

Episode 99 out of total 100, Total Reward: 12.0, Epsilon: 0.75, Current State: [-0.1369198 -1.9993306 0.23657356 3.036134 ], Steps Taken: 12

Designated Priority: 1

Q-values before update: [[1.0277591 1.0073931]]

Q-values after update: [[1.0261898 1.006822 ]]

Designated Priority: 1

Q-values before update: [[1.0350481 1.0146616]]

Q-values after update: [[1.0331826 1.0139339]]

Designated Priority: 1

Q-values before update: [[1.0413115 1.0212691]]

Q-values after update: [[1.0393012 1.0204471]]

Designated Priority: 1

Q-values before update: [[1.0467885 1.0274198]]

Q-values after update: [[1.0448133 1.0265812]]

Designated Priority: 1

Q-values before update: [[1.0515828 1.0330865]]

Q-values after update: [[1.0498569 1.0323328]]

Designated Priority: 1

Q-values before update: [[1.0559286 1.0383856]]

Q-values after update: [[1.0547055 1.0378535]]

Designated Priority: 1

Q-values before update: [[1.04668 1.032985]]

Q-values after update: [[1.0469431 1.0332274]]

Designated Priority: 1

Q-values before update: [[1.0270255 1.0226846]]

Q-values after update: [[1.0307782 1.0249461]]

Designated Priority: 3

Q-values before update: [[1.008991 1.0131366]]

Q-values after update: [[1.0100031 1.0113056]]

Episode 100 out of total 100, Total Reward: 9.0, Epsilon: 0.75, Current State: [-0.15098545 -1.4039724 0.25120303 2.2984421 ], Steps Taken: 9