## Results

May 9, 2024

## 1 Tables of Friedman, Bonferroni-Dunn, Holm, Hochberg and Hommel Tests

Table 1: Average Rankings of the algorithms

| Algorithm                                | Ranking |
|--|---------|
| LWRK                                     | 6.69    |
| $\overline{\mathrm{MS}}$                 | 9.74    |
| $\operatorname{SPT}$                     | 4.04    |
| $\operatorname{WINQ}$                    | 10.44   |
| -Rule-DDQN $-$ Complete-model-0          | 6.29    |
| -Rule-DDQN $-$ Complete-model-1          | 5.64    |
| -Rule-DDQN $-$ Complete-model-2          | 5.34    |
| -Rule-DDQN $-$ Complete-model-3          | 4.42    |
| -Rule-DDQN $-$ MachineCompressed-model-4 | 4.47    |
| Rule-DDQNMachine Compressed-model-5      | 6.75    |
| -Rule-DDQN $-$ MachineCompressed-model-6 | 6.38    |
| Rule-DDQNMachine Compressed-model-7      | 7.82    |

Friedman statistic considering reduction performance (distributed according to chi-square with 11 degrees of freedom: 1027.8308974358974. P-value computed by Friedman Test: 0.0.

Iman and Davenport statistic considering reduction performance (distributed according to F-distribution with 11 and 3289 degrees of freedom: 135.25465071526875. P-value computed by Iman and Daveport Test: 2.220446049250313E-16.

Table 2: Holm / Hochberg Table for  $\alpha = 0.05$ 

| i  | algorithm                            | $z = (R_0 - R_i)/SE$ | n                         | Holm/Hochberg/Hommel  |
|----|--------------------------------------|----------------------|---------------------------|-----------------------|
|    |                                      |                      | P                         |                       |
| 11 | WINQ                                 | 21.739719055576344   | 8.642616194401946E- $105$ | 0.004545454545454546  |
| 10 | MS                                   | 19.36193728387258    | 1.6168900822389078E-83    | 0.005                 |
| 9  | —Rule-DDQN—MachineCompressed-model-7 | 12.828698796858227   | 1.1325019874710293E-37    | 0.00555555555555556   |
| 8  | —Rule-DDQN—MachineCompressed-model-5 | 9.20541228759553     | 3.403620707126604E-20     | 0.00625               |
| 7  | LWRK                                 | 9.001602421449522    | 2.22446817932429E-19      | 0.0071428571428571435 |
| 6  | -Rule-DDQN-MachineCompressed-model-6 | 7.948584779695034    | 1.886542113875036E-15     | 0.008333333333333333  |
| 5  | -Rule-DDQN-Complete-model-0          | 7.631547210134588    | 2.3195286532812787E-14    | 0.01                  |
| 4  | -Rule-DDQN-Complete-model-1          | 5.42926837872334     | 5.658553789767513E-8      | 0.0125                |
| 3  | -Rule-DDQN-Complete-model-2          | 4.39889627765176     | 1.0880280840852651E-5     | 0.016666666666666666  |
| 2  | -Rule-DDQN-MachineCompressed-model-4 | 1.4493146037050888   | 0.14724974459811274       | 0.025                 |
| 1  | -Rule-DDQN-Complete-model-3          | 1.279473048583391    | 0.20073052452038878       | 0.05                  |

Holm's procedure rejects those hypotheses that have a p-value  $\leq 0.025$ .

Hommel's procedure rejects those hypotheses that have a p-value  $\leq 0.025$ .

Table 3: Holm / Hochberg Table for  $\alpha = 0.10$ 

| i  | algorithm                            | $z = (R_0 - R_i)/SE$ | p                      | Holm/Hochberg/Hommel                   |
|----|--------------------------------------|----------------------|------------------------|--|
| 11 | WINQ                                 | 21.739719055576344   | 8.642616194401946E-105 | 0.009090909090909092                   |
| 10 | MS                                   | 19.36193728387258    | 1.6168900822389078E-83 | 0.01                                   |
| 9  | —Rule-DDQN—MachineCompressed-model-7 | 12.828698796858227   | 1.1325019874710293E-37 | 0.011111111111111111111111111111111111 |
| 8  | -Rule-DDQN-MachineCompressed-model-5 | 9.20541228759553     | 3.403620707126604E-20  | 0.0125                                 |
| 7  | LWRK                                 | 9.001602421449522    | 2.22446817932429E-19   | 0.014285714285714287                   |
| 6  | —Rule-DDQN—MachineCompressed-model-6 | 7.948584779695034    | 1.886542113875036E-15  | 0.01666666666666666                    |
| 5  | —Rule-DDQN—Complete-model-0          | 7.631547210134588    | 2.3195286532812787E-14 | 0.02                                   |
| 4  | —Rule-DDQN—Complete-model-1          | 5.42926837872334     | 5.658553789767513E-8   | 0.025                                  |
| 3  | —Rule-DDQN—Complete-model-2          | 4.39889627765176     | 1.0880280840852651E-5  | 0.0333333333333333                     |
| 2  | —Rule-DDQN—MachineCompressed-model-4 | 1.4493146037050888   | 0.14724974459811274    | 0.05                                   |
| 1  | —Rule-DDQN—Complete-model-3          | 1.279473048583391    | 0.20073052452038878    | 0.1                                    |

Table 4: Adjusted p-values

| i  | algorithm                            | unadjusted $p$         | $p_{Bonf}$             | $p_{Holm}$             | $p_{Hoch}$             | $p_{Homm}$             |
|----|--------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 1  | WINQ                                 | 8.642616194401946E-105 | 9.506877813842141E-104 | 9.506877813842141E-104 | 9.506877813842141E-104 | 9.506877813842141E-104 |
| 2  | MS                                   | 1.6168900822389078E-83 | 1.7785790904627985E-82 | 1.6168900822389078E-82 | 1.6168900822389078E-82 | 1.6168900822389078E-82 |
| 3  | —Rule-DDQN—MachineCompressed-model-7 | 1.1325019874710293E-37 | 1.2457521862181322E-36 | 1.0192517887239264E-36 | 1.0192517887239264E-36 | 1.0192517887239264E-36 |
| 4  | —Rule-DDQN—MachineCompressed-model-5 | 3.403620707126604E-20  | 3.743982777839264E-19  | 2.722896565701283E-19  | 2.722896565701283E-19  | 2.722896565701283E-19  |
| 5  | LWRK                                 | 2.22446817932429E-19   | 2.446914997256719E-18  | 1.5571277255270028E-18 | 1.5571277255270028E-18 | 1.5571277255270028E-18 |
| 6  | —Rule-DDQN—MachineCompressed-model-6 | 1.886542113875036E-15  | 2.0751963252625397E-14 | 1.1319252683250216E-14 | 1.1319252683250216E-14 | 1.1319252683250216E-14 |
| 7  | -Rule-DDQN-Complete-model-0          | 2.3195286532812787E-14 | 2.5514815186094067E-13 | 1.1597643266406393E-13 | 1.1597643266406393E-13 | 1.1597643266406393E-13 |
| 8  | —Rule-DDQN—Complete-model-1          | 5.658553789767513E-8   | 6.224409168744265E-7   | 2.2634215159070052E-7  | 2.2634215159070052E-7  | 2.2634215159070052E-7  |
| 9  | —Rule-DDQN—Complete-model-2          | 1.0880280840852651E-5  | 1.1968308924937917E-4  | 3.264084252255795E-5   | 3.264084252255795E-5   | 3.264084252255795E-5   |
| 10 | —Rule-DDQN—MachineCompressed-model-4 | 0.14724974459811274    | 1.6197471905792402     | 0.2944994891962255     | 0.20073052452038878    | 0.20073052452038878    |
| 11 | -Rule-DDQN-Complete-model-3          | 0.20073052452038878    | 2.2080357697242765     | 0.2944994891962255     | 0.20073052452038878    | 0.20073052452038878    |

## Table 5: Holm / Shaffer Table for $\alpha = 0.05$

|          | Table 6. Hollin / Sha   |  | 0.00  | 77. 1  | G1 66  |
|----------|---|--|---|--|--|
| - i      | algorithms  | $z = (R_0 - R_i)/SE$                     | p   | Holm<br>7.575757575757576E-4                 | Shaffer                                      |
| 66<br>65 | $\begin{array}{c} {\rm SPT\ vs.\ WINQ} \\ {\rm WINQ\ vs.\Rule\text{-}DDQNComplete\text{-}model\text{-}3} \end{array}$ | 21.739719055576344<br>20.460246006992953 | 8.642616194401946E-105<br>4.869204062691252E-93 | 7.575757575757576E-4<br>7.692307692307692E-4 | 7.575757575757576E-4<br>9.090909090909091E-4 |
|          | WINQ vs. —Rule-DDQN—Complete-model-3 WINQ vs. —Rule-DDQN—MachineCompressed-model-4                                    |  |   |  | 9.0909090909091E-4<br>9.090909090909091E-4   |
| 64<br>63 | WING vs. —Kuie-DDQN—Machine Compressed-model-4 MS vs. SPT   | 20.290404451871254<br>19.36193728387258  | 1.563040930143417E-91<br>1.6168900822389078E-83 | 7.8125E-4<br>7.936507936507937E-4            | 9.0909090909091E-4<br>9.090909090909091E-4   |
| 62       | MS vs. —Rule-DDQN—Complete-model-3  | 18.08246423528919                        | 4.380601698140543E-73                           | 8.064516129032258E-4                         | 9.0909090909091E-4<br>9.090909090909091E-4   |
| 61       | MS vs. —Rule-DDQN—Complete-model-3  MS vs. —Rule-DDQN—MachineCompressed-model-4                                       | 17.91262268016749                        | 9.400015831826995E-72                           | 8.19672131147541E-4                          | 9.0909090909091E-4<br>9.090909090909091E-4   |
| 60       | WINQ vs. —Rule-DDQN—Machine-Compressed-model-4 WINQ vs. —Rule-DDQN—Complete-model-2                                   | 17.340822777924583                       | 2.3140074008561892E-67                          | 8.333333333333334E-4                         | 9.0909090909091E-4<br>9.090909090909091E-4   |
| 59       | WINQ vs. —Rule-DDQN—Complete-model-1  | 16.310450676853005                       | 8.317679094600027E-60                           | 8.474576271186442E-4                         | 9.0909090909091E-4                           |
| 58       | MS vs. —Rule-DDQN—Complete-model-2  | 14.96304100622082                        | 1.2803895559678508E-50                          | 8.620689655172415E-4                         | 9.0909090909091E-4                           |
| 57       | WINQ vs. —Rule-DDQN—Complete-model-2 WINQ vs. —Rule-DDQN—Complete-model-0   | 14.108171845441756                       | 3.3823296560829395E-45                          | 8.771929824561404E-4                         | 9.0909090909091E-4                           |
| 56       | MS vs. —Rule-DDQN—Complete-model-1  | 13.93266890514924                        | 4.010830031156359E-44                           | 8.928571428571429E-4                         | 9.0909090909091E-4                           |
| 55       | WINQ vs. —Rule-DDQN—Complete-model-1 WINQ vs. —Rule-DDQN—MachineCompressed-model-6                                    | 13.79113427588131                        | 2.881926593640512E-43                           | 9.0909090909091E-4                           | 9.0909090909091E-4                           |
| 54       | SPT vs. —Rule-DDQN—MachineCompressed-model-7  | 12.828698796858227                       | 1.1325019874710293E-37                          | 9.25925925925926E-4                          | 0.0010869565217391304                        |
| 53       | LWRK vs. WINQ   | 12.738116634126822                       | 3.630534246324264E-37                           | 9.433962264150943E-4                         | 0.0010869565217391304                        |
| 52       | WINQ vs. —Rule-DDQN—MachineCompressed-model-5   | 12.534306767980814                       | 4.845801777539026E-36                           | 9.615384615384616E-4                         | 0.0010869565217391304                        |
| 51       | MS vs. —Rule-DDQN—Complete-model-0  | 11.730390073737993                       | 8.90473594155013E-32                            | 9.80392156862745E-4                          | 0.0010869565217391304                        |
| 50       | —Rule-DDQN—Complete-model-3 vs. —Rule-DDQN—MachineCompressed-model-7  | 11.549225748274836                       | 7.448844360175087E-31                           | 0.001  | 0.0010869565217391304                        |
| 49       | MS vs. —Rule-DDQN—MachineCompressed-model-6   | 11.413352504177547                       | 3.586350655303346E-30                           | 0.0010204081632653062                        | 0.0010869565217391304                        |
| 48       | —Rule-DDQN—MachineCompressed-model-4 vs. —Rule-DDQN—MachineCompressed-model-7   | 11.379384193153138                       | 5.2972453569363294E-30                          | 0.0010416666666666667                        | 0.0010869565217391304                        |
| 47       | LWRK vs. MS   | 10.36033486242306                        | 3.75644608468032E-25                            | 0.0010638297872340426                        | 0.0010869565217391304                        |
| 46       | MS vs. —Rule-DDQN—MachineCompressed-model-5   | 10.156524996277051                       | 3.0992643990620706E-24                          | 0.0010869565217391304                        | 0.0010869565217391304                        |
| 45       | SPT vs. —Rule-DDQN—MachineCompressed-model-5  | 9.20541228759553                         | 3.403620707126604E-20                           | 0.001111111111111111111                      | 0.001111111111111111111                      |
| 44       | LWRK vs. SPT  | 9.001602421449522                        | 2.22446817932429E-19                            | 0.001136363636363636365                      | 0.001282051282051282                         |
| 43       | WINQ vs. —Rule-DDQN—MachineCompressed-model-7   | 8.911020258718118                        | 5.056507494375602E-19                           | 0.0011627906976744186                        | 0.001282051282051282                         |
| 42       | —Rule-DDQN—Complete-model-2 vs. —Rule-DDQN—MachineCompressed-model-7  | 8.429802519206467                        | 3.4624903697944216E-17                          | 0.0011904761904761906                        | 0.001282051282051282                         |
| 41       | SPT vs. —Rule-DDQN—MachineCompressed-model-6  | 7.948584779695034                        | 1.886542113875036E-15                           | 0.0012195121951219512                        | 0.001282051282051282                         |
| 40       | -Rule-DDQN-Complete-model-3 vsRule-DDQN-MachineCompressed-model-5   | 7.925939239012139                        | 2.2642829296729817E-15                          | 0.00125                                      | 0.001282051282051282                         |
| 39       | —Rule-DDQN—MachineCompressed-model-4 vs. —Rule-DDQN—MachineCompressed-model-5   | 7.756097683890441                        | 8.758257223647671E-15                           | 0.001282051282051282                         | 0.001282051282051282                         |
| 38       | LWRK vs. —Rule-DDQN—Complete-model-3  | 7.722129372866131                        | 1.144021859949866E-14                           | 0.0013157894736842105                        | 0.0013513513513513514                        |
| 37       | SPT vs. —Rule-DDQN—Complete-model-0   | 7.631547210134588                        | 2.3195286532812787E-14                          | 0.0013513513513513514                        | 0.0013513513513513514                        |
| 36       | LWRK vs. —Rule-DDQN—MachineCompressed-model-4   | 7.552287817744433                        | 4.276780478668061E-14                           | 0.00138888888888889                          | 0.00138888888888889                          |
| 35       | -Rule-DDQN-Complete-model-1 vsRule-DDQN-MachineCompressed-model-7   | 7.399430418134886                        | 1.3676986458193043E-13                          | 0.0014285714285714286                        | 0.0014705882352941176                        |
| 34       | -Rule-DDQN-Complete-model-3 vsRule-DDQN-MachineCompressed-model-6   | 6.669111731111643                        | 2.5735627613369894E-11                          | 0.0014705882352941176                        | 0.0014705882352941176                        |
| 33       | MS vs. —Rule-DDQN—MachineCompressed-model-7   | 6.533238487014355                        | 6.436253076987365E-11                           | 0.0015151515151515152                        | 0.0016129032258064516                        |
| 32       | —Rule-DDQN—MachineCompressed-model-4 vs. —Rule-DDQN—MachineCompressed-model-6   | 6.499270175989945                        | 8.071059875981736E-11                           | 0.0015625                                    | 0.0016129032258064516                        |
| 31       | —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—Complete-model-3   | 6.352074161551197                        | 2.124308577884041E-10                           | 0.0016129032258064516                        | 0.0016129032258064516                        |
| 30       | -Rule-DDQN $-$ Complete-model-0 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-4                                       | 6.1822326064294995                       | 6.32013064599226E-10                            | 0.001666666666666668                         | 0.001666666666666668                         |
| 29       | SPT vs. —Rule-DDQN—Complete-model-1   | 5.42926837872334                         | 5.658553789767513E-8                            | 0.001724137931034483                         | 0.001724137931034483                         |
| 28       | -Rule-DDQN $-$ Complete-model-0 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-7                                       | 5.1971515867236375                       | 2.0236534131488097E-7                           | 0.0017857142857142859                        | 0.0017857142857142859                        |
| 27       | -Rule-DDQN-MachineCompressed-model-6 vsRule-DDQN-MachineCompressed-model-7  | 4.880114017163192                        | 1.0602452679994856E-6                           | 0.001851851851851852                         | 0.001851851851851852                         |
| 26       | -Rule-DDQN $-$ Complete-model-2 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-5                                       | 4.80651600994377                         | 1.5358318947052117E-6                           | 0.0019230769230769232                        | 0.002  |
| 25       | ${ m LWRK}$ vs. ${ m -Rule\text{-}DDQNComplete\text{-}model2}$  | 4.602706143797762                        | 4.170364463187909E-6                            | 0.002  | 0.002  |
| $^{24}$  | SPT vs. —Rule-DDQN—Complete-model-2   | 4.39889627765176                         | 1.0880280840852651E-5                           | 0.002083333333333333333                      | 0.002083333333333333333                      |
| 23       | —Rule-DDQN—Complete-model-1 vs. —Rule-DDQN—Complete-model-3   | 4.149795330139949                        | 3.327726876614024E-5                            | 0.002173913043478261                         | 0.002173913043478261                         |
| 22       | -Rule-DDQN $-$ Complete-model-1 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-4                                       | 3.9799537750182514                       | 6.892866985950807E-5                            | 0.002272727272727273                         | 0.002272727272727273                         |
| 21       | LWRK vs. —Rule-DDQN—MachineCompressed-model-7   | 3.827096375408704                        | 1.2966375699944048E-4                           | 0.002380952380952381                         | 0.002380952380952381                         |
| 20       | -Rule-DDQN $-$ Complete-model-1 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-5                                       | 3.7761439088721893                       | 1.5927499059117234E-4                           | 0.0025                                       | 0.0025                                       |
| 19       | -Rule-DDQN $-$ MachineCompressed-model- $5$ vs. $-$ Rule-DDQN $-$ MachineCompressed-model- $7$                        | 3.6232865092626962                       | 2.9088330683335877E-4                           | 0.002631578947368421                         | 0.002631578947368421                         |
| 18       | ${ m LWRK}$ vs. ${ m -Rule\text{-}DDQNComplete\text{-}model1}$  | 3.5723340427261814                       | 3.5381369976626633E-4                           | 0.002777777777777778                         | 0.00277777777777778                          |
| 17       | -Rule-DDQN $-$ Complete-model-2 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-6                                       | 3.5496885020432742                       | 3.856872273562548E-4                            | 0.0029411764705882353                        | 0.0029411764705882353                        |
| 16       | -Rule-DDQN-Complete-model-0 vsRule-DDQN-Complete-model-2  | 3.2326509324828283                       | 0.0012264732718624452                           | 0.003125                                     | 0.003125                                     |
| 15       | -Rule-DDQN-Complete-model-2 vsRule-DDQN-Complete-model-3  | 3.119423229068369                        | 0.0018120547457172744                           | 0.003333333333333333                         | 0.003333333333333335                         |
| 14       | -Rule-DDQN $-$ Complete-model- $2$ vs. $-$ Rule-DDQN $-$ MachineCompressed-model- $4$                                 | 2.949581673946671                        | 0.003182044551896756                            | 0.0035714285714285718                        | 0.0035714285714285718                        |
| 13       | -Rule-DDQN $-$ Complete-model-1 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-6                                       | 2.519316400971694                        | 0.011758294400598161                            | 0.0038461538461538464                        | 0.0038461538461538464                        |
| 12       | MS vs. WINQ   | 2.3777817717037633                       | 0.01741713028689465                             | 0.004166666666666667                         | 0.004166666666666667                         |
| 11       | -Rule-DDQN-Complete-model-0 vsRule-DDQN-Complete-model-1  | 2.202278831411248                        | 0.027645618545702782                            | 0.004545454545454546                         | 0.004545454545454546                         |
| 10       | —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—MachineCompressed-model-5  | 1.5738650774609413                       | 0.11551864505729023                             | 0.005  | 0.005  |
| 9        | SPT vs. —Rule-DDQN—MachineCompressed-model-4  | 1.4493146037050888                       | 0.14724974459811274                             | 0.0055555555555556                           | 0.0055555555555556                           |
| 8        | LWRK vs. —Rule-DDQN—Complete-model-0  | 1.3700552113149336                       | 0.1706696675652869                              | 0.00625                                      | 0.00625                                      |
| 7        | SPT vs. —Rule-DDQN—Complete-model-3   | 1.279473048583391                        | 0.20073052452038878                             | 0.0071428571428571435                        | 0.0071428571428571435                        |
| 6        | -Rule-DDQN $-$ MachineCompressed-model-5 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-6                              | 1.2568275079004956                       | 0.2088161029308383                              | 0.008333333333333333                         | 0.008333333333333333                         |
| 5        | LWRK vs. —Rule-DDQN—MachineCompressed-model-6   | 1.0530176417544876                       | 0.29233290665127654                             | 0.01   | 0.01   |
| 4        | -Rule-DDQN-Complete-model-1 vsRule-DDQN-Complete-model-2  | 1.0303721010715803                       | 0.3028353645635499                              | 0.0125                                       | 0.0125                                       |
| 3        | —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—MachineCompressed-model-6  | 0.3170375695604458                       | 0.7512150951774321                              | 0.0166666666666666                           | 0.0166666666666666                           |
| 2        | LWRK vs. —Rule-DDQN—MachineCompressed-model-5   | 0.2038098661460078                       | 0.8385020825980304                              | 0.025  | 0.025  |
| 1        | —Rule-DDQN—Complete-model-3 vs. —Rule-DDQN—MachineCompressed-model-4  | 0.1698415551216978                       | 0.8651347454054403                              | 0.05   | 0.05   |
|          |   |  |   |  |  |

## Table 6: Holm / Shaffer Table for $\alpha=0.10$

| i       | algorithms  | $z = (R_0 - R_i)/SE$ | n                      | Holm  | Shaffer                                |
|---------|---|----------------------|------------------------|---|--|
| 66      | SPT vs. WINQ  | 21.739719055576344   | 8.642616194401946E-105 | 0.0015151515151515152                         | 0.0015151515151515152                  |
| 65      | WINQ vs. —Rule-DDQN—Complete-model-3  | 20.460246006992953   | 4.869204062691252E-93  | 0.0015384615384615385                         | 0.0018181818181818182                  |
| 64      | WINQ vs. —Rule-DDQN—Compressed-model-4  | 20.290404451871254   | 1.563040930143417E-91  | 0.0015625                                     | 0.0018181818181818182                  |
| 63      | MS vs. SPT  | 19.36193728387258    | 1.6168900822389078E-83 | 0.0015873015873015873                         | 0.0018181818181818182                  |
|         | MS vs. —Rule-DDQN—Complete-model-3  |                      |                        |   |  |
| 62      |   | 18.08246423528919    | 4.380601698140543E-73  | 0.0016129032258064516<br>0.001639344262295082 | 0.0018181818181818182                  |
| 61      | MS vs. —Rule-DDQN—MachineCompressed-model-4   | 17.91262268016749    | 9.400015831826995E-72  |   | 0.0018181818181818182                  |
| 60      | WINQ vs. —Rule-DDQN—Complete-model-2  | 17.340822777924583   | 2.3140074008561892E-67 | 0.00166666666666668                           | 0.0018181818181818182                  |
| 59      | WINQ vs. —Rule-DDQN—Complete-model-1  | 16.310450676853005   | 8.317679094600027E-60  | 0.0016949152542372883                         | 0.0018181818181818182                  |
| 58      | MS vs. —Rule-DDQN—Complete-model-2  | 14.96304100622082    | 1.2803895559678508E-50 | 0.001724137931034483                          | 0.0018181818181818182                  |
| 57      | WINQ vs. —Rule-DDQN—Complete-model-0  | 14.108171845441756   | 3.3823296560829395E-45 | 0.0017543859649122807                         | 0.0018181818181818182                  |
| 56      | MS vs. —Rule-DDQN—Complete-model-1  | 13.93266890514924    | 4.010830031156359E-44  | 0.0017857142857142859                         | 0.0018181818181818182                  |
| 55      | WINQ vs. —Rule-DDQN—MachineCompressed-model-6   | 13.79113427588131    | 2.881926593640512E-43  | 0.0018181818181818182                         | 0.0018181818181818182                  |
| 54      | SPT vs. —Rule-DDQN—MachineCompressed-model-7  | 12.828698796858227   | 1.1325019874710293E-37 | 0.001851851851851852                          | 0.002173913043478261                   |
| 53      | LWRK vs. WINQ   | 12.738116634126822   | 3.630534246324264E-37  | 0.0018867924528301887                         | 0.002173913043478261                   |
| 52      | WINQ vs. —Rule-DDQN—MachineCompressed-model-5   | 12.534306767980814   | 4.845801777539026E-36  | 0.0019230769230769232                         | 0.002173913043478261                   |
| 51      | ${ m MS~vs.}~-{ m Rule-DDQN-Complete-model-0}$  | 11.730390073737993   | 8.90473594155013E-32   | 0.00196078431372549                           | 0.002173913043478261                   |
| 50      | -Rule-DDQN-Complete-model-3 vsRule-DDQN-MachineCompressed-model-7   | 11.549225748274836   | 7.448844360175087E-31  | 0.002   | 0.002173913043478261                   |
| 49      | MS vs. —Rule-DDQN—MachineCompressed-model-6   | 11.413352504177547   | 3.586350655303346E-30  | 0.0020408163265306124                         | 0.002173913043478261                   |
| 48      | Rule-DDQN $$ MachineCompressed-model-4 vs. $$ Rule-DDQN $$ MachineCompressed-model-7  | 11.379384193153138   | 5.2972453569363294E-30 | 0.002083333333333333333                       | 0.002173913043478261                   |
| 47      | LWRK vs. MS   | 10.36033486242306    | 3.75644608468032E-25   | 0.002127659574468085                          | 0.002173913043478261                   |
| 46      | ${ m MS~vs.~-Rule\text{-}DDQN\text{MachineCompressed-model-5}}$   | 10.156524996277051   | 3.0992643990620706E-24 | 0.002173913043478261                          | 0.002173913043478261                   |
| 45      | SPT vs. —Rule-DDQN—MachineCompressed-model-5  | 9.20541228759553     | 3.403620707126604E-20  | 0.002222222222222222                          | 0.00222222222222222                    |
| 44      | LWRK vs. SPT  | 9.001602421449522    | 2.22446817932429E-19   | 0.002272727272727273                          | 0.002564102564102564                   |
| 43      | WINQ vs. —Rule-DDQN—MachineCompressed-model-7   | 8.911020258718118    | 5.056507494375602E-19  | 0.002325581395348837                          | 0.002564102564102564                   |
| 42      | -Rule-DDQN-Complete-model-2 vsRule-DDQN-MachineCompressed-model-7   | 8.429802519206467    | 3.4624903697944216E-17 | 0.002380952380952381                          | 0.002564102564102564                   |
| 41      | SPT vs. —Rule-DDQN—MachineCompressed-model-6  | 7.948584779695034    | 1.886542113875036E-15  | 0.0024390243902439024                         | 0.002564102564102564                   |
| 40      | -Rule-DDQN-Complete-model-3 vsRule-DDQN-MachineCompressed-model-5   | 7.925939239012139    | 2.2642829296729817E-15 | 0.0025  | 0.002564102564102564                   |
| 39      | —Rule-DDQN—MachineCompressed-model-4 vs. —Rule-DDQN—MachineCompressed-model-5   | 7.756097683890441    | 8.758257223647671E-15  | 0.002564102564102564                          | 0.002564102564102564                   |
| 38      | LWRK vs. —Rule-DDQN—Complete-model-3  | 7.722129372866131    | 1.144021859949866E-14  | 0.002631578947368421                          | 0.002702702702702703                   |
| 37      | SPT vs. —Rule-DDQN—Complete-model-0   | 7.631547210134588    | 2.3195286532812787E-14 | 0.002702702702702703                          | 0.002702702702702703                   |
| 36      | LWRK vs. —Rule-DDQN—MachineCompressed-model-4   | 7.552287817744433    | 4.276780478668061E-14  | 0.00277777777777778                           | 0.00277777777777778                    |
| 35      | —Rule-DDQN—Complete-model-1 vs. —Rule-DDQN—MachineCompressed-model-7  | 7.399430418134886    | 1.3676986458193043E-13 | 0.002857142857142857                          | 0.0029411764705882353                  |
| 34      | — Rule-DDQN — Complete-model-3 vs. — Rule-DDQN — Machine Compressed-model-6   | 6.669111731111643    | 2.5735627613369894E-11 | 0.0029411764705882353                         | 0.0029411764705882353                  |
| 33      | MS vs. —Rule-DDQN—MachineCompressed-model-7   | 6.533238487014355    | 6.436253076987365E-11  | 0.0030303030303030303                         | 0.0032258064516129032                  |
| 32      | —Rule-DDQN—MachineCompressed-model-4 vs. —Rule-DDQN—MachineCompressed-model-6   | 6.499270175989945    | 8.071059875981736E-11  | 0.003125                                      | 0.0032258064516129032                  |
| 31      | —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—Complete-model-3   | 6.352074161551197    | 2.124308577884041E-10  | 0.0032258064516129032                         | 0.0032258064516129032                  |
| 30      | —Rule-DDQN—Complete-model-0 vs.—Rule-DDQN—MachineCompressed-model-4   | 6.1822326064294995   | 6.32013064599226E-10   | 0.0033333333333333333                         | 0.00322333333333333333                 |
| 29      | SPT vs. —Rule-DDQN—Complete-model-1   | 5.42926837872334     | 5.658553789767513E-8   | 0.003448275862068966                          | 0.003448275862068966                   |
| 28      | -Rule-DDQN-Complete-model-0 vsRule-DDQN-MachineCompressed-model-7   | 5.1971515867236375   | 2.0236534131488097E-7  | 0.003448273862068966                          | 0.003448273802083900                   |
| 27      | —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—MachineCompressed-model-7 —Rule-DDQN—MachineCompressed-model-6 vs. —Rule-DDQN—MachineCompressed-model-7              | 4.880114017163192    | 1.0602452679994856E-6  | 0.0035714285714285718                         |  |
| 26      | -Rule-DDQN-MachineCompressed-model-6 vsRule-DDQN-MachineCompressed-model-7 -Rule-DDQN-MachineCompressed-model-5   |                      |                        |   | 0.003703703703703704                   |
| 25      |   | 4.80651600994377     | 1.5358318947052117E-6  | 0.0038461538461538464                         | 0.004                                  |
|         | LWRK vs. —Rule-DDQN—Complete-model-2  | 4.602706143797762    | 4.170364463187909E-6   | 0.004   | 0.004                                  |
| 24      | SPT vs. —Rule-DDQN—Complete-model-2   | 4.39889627765176     | 1.0880280840852651E-5  | 0.004166666666666667                          | 0.00416666666666666                    |
| 23      | —Rule-DDQN—Complete-model-1 vs. —Rule-DDQN—Complete-model-3   | 4.149795330139949    | 3.327726876614024E-5   | 0.004347826086956522                          | 0.004347826086956522                   |
| 22      | -Rule-DDQN—Complete-model-1 vsRule-DDQN—MachineCompressed-model-4   | 3.9799537750182514   | 6.892866985950807E-5   | 0.004545454545454546                          | 0.004545454545454546                   |
| 21      | LWRK vs. —Rule-DDQN—MachineCompressed-model-7   | 3.827096375408704    | 1.2966375699944048E-4  | 0.004761904761904762                          | 0.004761904761904762                   |
| 20      | -Rule-DDQN-Complete-model-1 vsRule-DDQN-MachineCompressed-model-5   | 3.7761439088721893   | 1.5927499059117234E-4  | 0.005   | 0.005                                  |
| 19      | $-\mathrm{Rule\text{-}DDQN}-\mathrm{MachineCompressed\text{-}model\text{-}5}$ vs. $-\mathrm{Rule\text{-}DDQN}-\mathrm{MachineCompressed\text{-}model\text{-}7}$ | 3.6232865092626962   | 2.9088330683335877E-4  | 0.005263157894736842                          | 0.005263157894736842                   |
| 18      | LWRK vs. —Rule-DDQN—Complete-model-1  | 3.5723340427261814   | 3.5381369976626633E-4  | 0.0055555555555556                            | 0.0055555555555556                     |
| 17      | -Rule-DDQN $-$ Complete-model-2 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-6   | 3.5496885020432742   | 3.856872273562548E-4   | 0.0058823529411764705                         | 0.0058823529411764705                  |
| 16      | -Rule-DDQN $-$ Complete-model-0 vs. $-$ Rule-DDQN $-$ Complete-model-2  | 3.2326509324828283   | 0.0012264732718624452  | 0.00625                                       | 0.00625                                |
| 15      | -Rule-DDQN-Complete-model-2 vsRule-DDQN-Complete-model-3  | 3.119423229068369    | 0.0018120547457172744  | 0.006666666666666667                          | 0.006666666666666667                   |
| $^{14}$ | -Rule-DDQN $-$ Complete-model-2 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-4   | 2.949581673946671    | 0.003182044551896756   | 0.0071428571428571435                         | 0.0071428571428571435                  |
| 13      | -Rule-DDQN $-$ Complete-model-1 vs. $-$ Rule-DDQN $-$ MachineCompressed-model-6   | 2.519316400971694    | 0.011758294400598161   | 0.007692307692307693                          | 0.007692307692307693                   |
| 12      | MS vs. WINQ   | 2.3777817717037633   | 0.01741713028689465    | 0.0083333333333333333                         | 0.008333333333333333                   |
| 11      | —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—Complete-model-1   | 2.202278831411248    | 0.027645618545702782   | 0.009090909090909092                          | 0.009090909090909092                   |
| 10      | —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—MachineCompressed-model-5  | 1.5738650774609413   | 0.11551864505729023    | 0.01  | 0.01                                   |
| 9       | SPT vs. —Rule-DDQN—MachineCompressed-model-4  | 1.4493146037050888   | 0.14724974459811274    | 0.011111111111111111111111111111111111        | 0.011111111111111111111111111111111111 |
| 8       | LWRK vs. —Rule-DDQN—Complete-model-0  | 1.3700552113149336   | 0.1706696675652869     | 0.0125  | 0.0125                                 |
| 7       | SPT vs. —Rule-DDQN—Complete-model-3   | 1.279473048583391    | 0.20073052452038878    | 0.014285714285714287                          | 0.014285714285714287                   |
| 6       | —Rule-DDQN—MachineCompressed-model-5 vs. —Rule-DDQN—MachineCompressed-model-6   | 1.2568275079004956   | 0.2088161029308383     | 0.01666666666666666                           | 0.01666666666666666                    |
| 5       | LWRK vs. —Rule-DDQN—MachineCompressed-model-6   | 1.0530176417544876   | 0.29233290665127654    | 0.02  | 0.02                                   |
| 4       | —Rule-DDQN—Complete-model-1 vs. —Rule-DDQN—Complete-model-2   | 1.0303721010715803   | 0.3028353645635499     | 0.025   | 0.025                                  |
| 3       | —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—MachineCompressed-model-6  | 0.3170375695604458   | 0.7512150951774321     | 0.03333333333333333                           | 0.0333333333333333                     |
| 2       | LWRK vs. —Rule-DDQN—MachineCompressed-model-5   | 0.2038098661460078   | 0.8385020825980304     | 0.05  | 0.05                                   |
| 1       | —Rule-DDQN—Complete-model-3 vs. —Rule-DDQN—MachineCompressed-model-4  | 0.1698415551216978   | 0.8651347454054403     | 0.1   | 0.1                                    |
|         |   |                      |                        | -   | -                                      |

Table 7: Adjusted p-values

| Section   Part   | Table 7: Adjusted $p$ -values |   |                        |                       |                        |                       |            |
|--|-------------------------------|---|------------------------|-----------------------|------------------------|-----------------------|------------|
| Wind   Compared models   Wind   W   | i                             |   |                        |                       | $p_{Holm}$             | $p_{Shaf}$            | $p_{Berq}$ |
| Winq vs  | 1                             | SPT vs .WINQ  | 8.642616194401946E-105 |                       |                        |                       | 0.0        |
| March  | 2                             |   | 4.869204062691252E-93  | 3.213674681376226E-91 | 3.1649826407493136E-91 | 2.678062234480188E-91 | 0.0        |
| Section   Computer model   Association   A   | 3                             |   |                        |                       |                        |                       | 0.0        |
| Mily vs. — Rule DQN — Complete model-2   4.1007/805/1007-1007-1008-105-70   5.774309907214-1475-70   5.774309907214-1475-70   5.77430907214-1475-70    | 4                             |   |                        |                       |                        |                       | 0.0        |
| The color of the   | 5                             |   |                        |                       |                        |                       | 0.0        |
| Second Color   Seco   | 6                             |   |                        |                       | 5.734009657414467E-70  |                       | 0.0        |
| MS vs _ Flate DQN  | 7                             |   |                        |                       |                        |                       | 0.0        |
| WINQ vs. = Rule=DDQN. = MachineCompressed-model-5   3.8232965698393056-43   2.2323757301476-34   1.829279039077758-34   1.850925903218-24   1.85   | 8                             |   |                        |                       |                        |                       | 0.0        |
| 1  | 9                             |   |                        |                       |                        |                       | 0.0        |
| WING vs  |                               |   |                        |                       |                        |                       | 0.0        |
| SPF vs   |                               |   |                        |                       |                        |                       | 0.0        |
| WINQ w   |                               |   |                        |                       |                        |                       | 0.0        |
| WINQ vsRule-DDQN - MachineCompressed-model-5   4.85917775924956.30   4.90917526-34   4.8591775776-34   4.859177576-34   4.8591775776-34   4.8591775776-34   4.8591775776-34      |                               | SPT vs .—Rule-DDQN—MachineCompressed-model-7                                  |                        |                       |                        |                       | 0.0        |
| MS vsRule_DDQN_MachineCompressed-model-7   |                               |   |                        |                       |                        |                       | 0.0        |
| Fig.   Fulle-DDQN   MachineCompressed-model-5   3.58630053033365-30   3.242421808784338-29   3.24242180878438-29   3.242421808438-   |                               |   |                        |                       |                        |                       | 0.0        |
| Section   Complete     |                               |   |                        |                       |                        |                       | 0.0        |
|  |                               |   |                        |                       |                        |                       | 0.0        |
| 2.0  |                               |   |                        |                       |                        |                       | 0.0        |
| SPT vs _Rule-DDQN  |                               |   |                        |                       |                        |                       | 0.0        |
| SPT vs. —Rule-DDQN — Machine Compressed-model-5   3.403620707126064E-20   2.24688986667035586F-18   1.5316293182069717E-18   8.6754289363473E-17   2.74688936473E-18   3.572468173672E-19   3.57246817932E-19   3.57246817932E-19   3.572468787E-17   2.77676989902037E-18   5.7763279329064817E-17   2.7767698902037E-18   3.57246817932E-19   3.57246817932E-19   3.57246817932E-19   3.572468178E-17   2.77676998902037E-18   5.776327937E-18   3.572468178E-17   3.572468178E-17   3.572468178E-17   3.572468178E-17   3.57246982787E-19   3.5724698278E-19   3.572441126E-19   3.5724698278E-19   3.57246   |                               |   |                        |                       |                        |                       |            |
| Like      |                               |   |                        |                       |                        |                       | 0.0        |
| WINQ vsRule-DDQN—MachineCompressed-model-7   |                               |   |                        |                       |                        |                       | 0.0        |
| - Rule-DDQN-Complete-model-2 vs Rule-DDQN-MachineCompressed-model-5 vs Rule-DDQN-MachineCompressed-model-5 vs Rule-DDQN-Complete-model-1 vs Rule-DDQN-MachineCompressed-model-5 vs Rule-DDQN-Complete-model-1 vs Rule-DDQN-MachineCompressed-model-5 vs Rule-DDQN-MachineCompressed-model-6 vs Rule-DDQN-MachineCompressed-model-7 vs Rule-DDQN-MachineCompressed-model-6 vs Rule-DDQN-Mac  |                               |   |                        |                       |                        |                       | 0.0        |
| SPT vsRule_DDQN_Complete-model-3 vsRule_DDQN_MachineCompressed-model-5   2.642829296789178-115   1.494216735384168E-13   3.415720317222592E-13   3.41572031722592E-13   3.415720317222592E-13   3.41572031722592E-13   3.4157203172         |                               |   |                        |                       |                        |                       | 0.0        |
| - Rule-DDQN—MachineCompressed-model-1 vs. Rule-DDQN—MachineCompressed-model-5 vs. Rule-DDQN—MachineCompressed-model-1 vs. Rule-DDQN—Complete-model-3 vs. Rule-DDQN—Complete-model-1 vs. Rule-DDQN—MachineCompressed-model-1 vs. Rule-DDQN—MachineCompr |                               |   |                        |                       |                        |                       | 0.0        |
| 28   |                               |   |                        |                       |                        |                       | 0.0        |
| 1.44021859949866E-14   |                               |   |                        |                       |                        |                       | 0.0        |
| SPT vsRule-DDQN—AdachineCompressed-model-1   |                               |   |                        |                       |                        |                       | 0.0        |
| 1  |                               |   |                        |                       |                        |                       | 0.0        |
| Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-6   2.7856276133896894E-11   4.78694520367565E-12   4.7869452036756E-12   4.78694520367565E-12   4.7869452036756E-12      |                               |   |                        |                       |                        |                       | 0.0        |
| Agrication   |                               |   |                        |                       |                        |                       | 0.0        |
| Section   Sect   |                               |   |                        |                       |                        |                       | 0.0        |
| The PDQN   |                               |   |                        |                       |                        |                       | 0.0        |
| Faule-DDQN-Complete-model-0 vsRule-DDQN-Complete-model-1   |                               |   |                        |                       |                        |                       | 0.0        |
| Fig.      | 36                            |   | 2.124308577884041E-10  | 1.402043661403467E-8  | 6.585356591440527E-9   | 6.585356591440527E-9  | 0.0        |
| Barrell  | 37                            |   | 6.32013064599226E-10   | 4.1712862263548915E-8 | 1.896039193797678E-8   | 1.896039193797678E-8  | 0.0        |
| - Rule-DDQN-MachineCompressed-model-2 vs. —Rule-DDQN-MachineCompressed-model-5 LVRK vs. —Rule-DDQN-Complete-model-2 vs. —Rule-DDQN-Complete-model-2 vs. —Rule-DDQN-Complete-model-2 vs. —Rule-DDQN-Complete-model-2 vs. —Rule-DDQN-Complete-model-2 vs. —Rule-DDQN-MachineCompressed-model-4 LVRK vs. —Rule-DDQN-MachineCompressed-model-4 LVRK vs. —Rule-DDQN-MachineCompressed-model-4 LVRK vs. —Rule-DDQN-MachineCompressed-model-5 LVRK vs. —Rule-DDQN-MachineCompressed-model-6 LVRK vs. —Rul | 38                            | SPT vs .—Rule-DDQN—Complete-model-1   | 5.658553789767513E-8   | 3.7346455012465586E-6 | 1.6409805990325789E-6  | 1.6409805990325789E-6 | 0.0        |
| Healtong   Complete-model-2 vs   Rule-DDQN   Machine Compressed   A   17034643187909E-6   A   17034645187909E-6   A   17034643187909E-6   A   17034645187909E-6   A   1703464518790E-6   A   1703464518790E-6   A   1703464518790E-6   A   1703464518790E-6   A   1703464518   | 39                            | -Rule-DDQN-Complete-model-0 vsRule-DDQN-MachineCompressed-model-7             | 2.0236534131488097E-7  | 1.3356112526782143E-5 | 5.666229556816667E-6   | 5.666229556816667E-6  | 0.0        |
| LWRK vs.—Rule-DDQN—Complete-model-2  | 40                            | —Rule-DDQN—MachineCompressed-model-6 vs .—Rule-DDQN—MachineCompressed-model-7 | 1.0602452679994856E-6  | 6.997618768796605E-5  | 2.862662223598611E-5   | 2.862662223598611E-5  | 0.0        |
| SPT vsRule-DDQN-Complete-model-1 vsRule-DDQN-Complete-model-3   3.327726876614024E-5   0.0021962997385652555   7.653771816212255E-4   7.653771816212255E-4   7.653771816212255E-4   0.002196299738565255   0.0021962997385652555   0.0021962997385652555   0.0021962997385652555   0.0021962997385652555   0.0021962997385652555   0.0021962997385652555   0.0021962997385652555   0.0021962997385652555   0.0021962997385652555   0.0021962997385652555   0.0021962997385652555   0.00219629738569991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430736991776   0.0021516430         | 41                            | —Rule-DDQN—Complete-model-2 vs .—Rule-DDQN—MachineCompressed-model-5          | 1.5358318947052117E-6  | 1.0136490505054398E-4 | 3.9931629262335504E-5  | 3.839579736763029E-5  | 0.0        |
| -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-5 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-5 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-5 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-5 -Rule-DDQN—MachineCompressed-model-5 -Rule-DDQN—MachineCompressed-model-5 -Rule-DDQN—MachineCompressed-model-5 -Rule-DDQN—MachineCompressed-model-6 -Rule-DDQN—MachineCompressed-model-7 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-7 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-6 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—Complete-model-1 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—Complete-model-2 -Rule-DDQN—Complete-model-0 vs.—Rule-DDQN—Complete-model-2 -Rule-DDQN—Complete-model-0 vs.—Rule-DDQN—Complete-model-3 -Rule-DDQN—Complete-model-2 vs.—Rule-DDQN—Complete-model-3 -Rule-DDQN—Complete-model-2 vs.—Rule-DDQN—MachineCompressed-model-6 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-6 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-6 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-6 -Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-6 -Rule-DDQN—Complete-model-0 vs.—Rule-DDQN—MachineCompressed-model-6 -Rule-DDQN—Complete-model-0 vs.—Rule-DDQN—MachineCompressed-model-6 -Rule-DDQN—Complete-model-0 vs.—Rule-DDQN—MachineCompressed-model-6 -Rule-DDQN—Complete-model-0 vs.—Rule-DDQN—MachineCompressed-model-5 -Rule-DDQN—Complete-model-0 vs.—Rule-DDQN—MachineCompressed-model-5 -Rule-DDQN—Complete-model-0 vs.—Rule-DDQN—MachineCompressed-model-5 -Rule-DDQN—MachineCompressed-model-6 -Ru | 42                            | LWRK vs .—Rule-DDQN—Complete-model-2  | 4.170364463187909E-6   | 2.7524405457040197E-4 | 1.0425911157969772E-4  | 1.0425911157969772E-4 | 0.0        |
| Fig. 2   | 43                            | SPT vs .—Rule-DDQN—Complete-model-2   | 1.0880280840852651E-5  | 7.18098535496275E-4   | 2.611267401804636E-4   | 2.611267401804636E-4  | 0.0        |
| LWRK vs. —Rule-DDQN—MachineCompressed-model-5  |                               |   | 3.327726876614024E-5   | 0.0021962997385652555 | 7.653771816212255E-4   | 7.653771816212255E-4  | 0.0        |
| Fig. 2   |                               |   | 6.892866985950807E-5   | 0.0045492922107275326 | 0.0015164307369091776  | 0.0015164307369091776 | 0.0        |
| Assume   |                               |   |                        |                       |                        |                       | 0.0        |
| LWRK vs.—Rule-DDQN—Complete-model-1 3.58136997662633E-4 0.02335170418457358 0.06358646595792794 0.06356682865053316 0.0655668286505316 0.065566828650 |                               |   |                        |                       |                        |                       | 0.0        |
| Fig. 2.50  |                               |   |                        |                       |                        |                       | 0.0        |
| Fig. 1   |                               |   |                        |                       |                        |                       | 0.0        |
| 52         —Rule-DDQN—Complete-model-2 vs.—Rule-DDQN—Complete-model-3         0.0018120547457172744         0.11959561321734011         0.027180821185759117         0.027180821185759117           53         —Rule-DDQN—Complete-model-1 vs.—Rule-DDQN—MachineCompressed-model-6         0.003182044551896756         0.2100149404251859         0.04454862372655458         0.04454862372655458         0.04454862372655458         0.04454862372655458         0.04454862372655458         0.04454862372655458         0.04454862372655458         0.0454862372657761         0.1528578272077761 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td>   |                               |   |                        |                       |                        |                       | 0.0        |
| 53         —Rule-DDQN—Ćomplete-model-2 vs—Rule-DDQN—MachineCompressed-model-4         0.00318204405186766         0.2100149404251859         0.04454862372655458         0.04454862372655458           54         —Rule-DDQN—Complete-model-1 vs—Rule-DDQN—MachineCompressed-model-6         0.011758294400598161         0.776047303493478         0.152878272077761  |                               |   |                        |                       |                        |                       | 0.0        |
| 54         —Rule-DDQN—Complete-model-1 vs .—Rule-DDQN—MachineCompressed-model-6         0.011758294400598161         0.760474394394787         0.1528578272077761         0.1528578272077761           55         —Rule-DDQN—Complete-model-0 vs .—Rule-DDQN—Complete-model-1         0.027645618545702782         1.8246108240163836         0.3041018040027306         0.3041018040027306           57         —Rule-DDQN—Complete-model-0 vs .—Rule-DDQN—MachineCompressed-model-5         0.11551864505729023         7.624230573781155         1.1551864505729024         1.1551864505729024           58         SPT vs .—Rule-DDQN—MachineCompressed-model-4         0.14724974459811274         9.71848314347544         1.3252477013830146         1.3252477013830146           59         LWRK vs .—Rule-DDQN—Complete-model-0         0.1706696675652869         11.264198059308935         1.3653573405222952         1.3653573405222952         1.3653573405222952         1.3653573405222952         1.3653573405222952         1.3651136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.4051136716427215         1.40   |                               |   |                        |                       |                        |                       | 0.0        |
| 55         MS vs. WINQ         0.01741713028689465         1.1495305889350468         0.2090055634427358         0.2090055634427358           56         —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—MachineCompressed-model-1         0.027645618545702782         1.8246108240163836         0.3041018040027306         0.3041018040027306           57         —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—MachineCompressed-model-1         0.11551864505729023         7.624230573781155         1.1551864505729024         1.1551864505729024           58         SPT vs. —Rule-DDQN—MachineCompressed-model-0         0.1706696675652869         11.264198059308935         1.3653573405222952         1.3653573405222952           60         SPT vs. —Rule-DDQN—Complete-model-3         0.20073052452038878         13.24821461834566         1.4051136716427215         1.4051136716427215           61         —Rule-DDQN—MachineCompressed-model-6         0.2083161029308383         13.781862793435328         1.4051136716427215         1.4051136716427215           62         LWRK vs. —Rule-DDQN—MachineCompressed-model-6         0.20233290665127654         19.293971838984252         1.4616645332563827         1.4616645332563827   |                               |   |                        |                       |                        |                       | 0.0        |
| 56       —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—Complete-model-1       0.027645618545702782       1.8246108240163336       0.3041018040027306       0.3041018040027306         57       —Rule-DDQN—Complete-model-0 vs. —Rule-DDQN—MachineCompressed-model-5       0.11551864505729023       7.624230573781155       1.1551864505729024       1.1551864505729024         58       SPT vs. —Rule-DDQN—MachineCompressed-model-4       0.14724974459811274       9.71848314347544       1.3252477013830146       1.3  |                               |   |                        |                       |                        |                       | 0.0        |
| 57 — Rule-DDQN—Complete-model-0 vs.—Rule-DDQN—MachineCompressed-model-5 0.11551864505729023 7.6242305737811.55 1.1551864505729024 1.1551864505729024 5.15518645057290 |                               |   |                        |                       |                        |                       | 0.0        |
| 58         SPT vs. —Rule-DDQN — Machine Compressed-model-4         0.14724974459811274         9.718483143347544         1.3252477013830146         1.3252477013830146           59         LWRK vs. — Rule-DDQN — Complete-model-0         0.1706696675652869         11.264198059308935         1.3653573405222952         1.355373405222952           60         SPT vs. — Rule-DDQN — Complete-model-3         0.20073052452038878         13.248214618834566         1.4051136716427215         1.4051136716427215           61         — Rule-DDQN — Machine Compressed-model-5         0.2083161029308383         13.781862793435328         1.4051136716427215         1.4051136716427215           62         LWRK vs. — Rule-DDQN — Machine Compressed-model-6         0.29233290665127654         19.293971838984252         1.4051645332563827         1.4616645332563827  |                               |   |                        |                       |                        |                       | 0.0        |
| 59         LWRK vs. —Rule-DDQN—Complete-model-0         0.1706696675652869         11.264198059308935         1.3653573405222952         1.3653573405222952           60         SPT vs. —Rule-DDQN—Complete-model-3         0.20073052452038878         13.24821461834566         1.4051136716427215         1.4051136716427215           61         —Rule-DDQN—MachineCompressed-model-6         0.2083161029308383         13.781862793435328         1.4051136716427215         1.4051136716427215           62         LWRK vs. —Rule-DDQN—MachineCompressed-model-6         0.29233290665127654         19.293971838984252         1.461645332563827         1.4616645332563827  |                               |   |                        |                       |                        |                       | 0.0        |
| 60 SPT vs .—Rule-DDQN—Complete-model-3 0.20073052452038878 13.24821461834566 1.4051136716427215 1.4051136716427215 0.208161029308383 13.781862793435328 1.4051136716427215 1.4051136716427215 0.208161029308383 13.781862793435328 1.4051136716427215 1.4051136716427215 0.208161029308383 13.781862793435328 1.4051136716427215 1.4051136716427 |                               |   |                        |                       |                        |                       | 0.0        |
| 61 —Rule-DDQN—MachineCompressed-model-5 vs.—Rule-DDQN—MachineCompressed-model-6 0.2088161029308383 13.781862793435328 1.4051136716427215 1.4051136716427215 1.4051136716427215 1.4061645332563827 1.4061645332563827   |                               |   |                        |                       |                        |                       | 0.0        |
| 62 LWRK vs.—Rule-DDQN—MachineCompressed-model-6 0.29233290665127654 19.293971838984252 1.4616645332563827 1.4616645332563827   |                               |   |                        |                       |                        |                       | 0.0        |
|  |                               |   |                        |                       |                        |                       | 0.0        |
|  |                               |   |                        |                       |                        |                       | 0.0        |
| 63 — Ruie-DDQN—Complete-model-1 vs.—Ruie-DDQN—Complete-model-2 0.30285536405039499 19.987.134061194299 1.461064532505327 1.4610645332505327 6.4610645332505327 1.461064532505327 1.461064532505327 1.461064532505327 1.4610645327 1.4610645327 1.4610645327 1.46106457 1.46106457 1.4610647 1.46106 |                               | -Rule-DDQN-Complete-model-1 vsRule-DDQN-Complete-model-2                      | 0.3028353645635499     | 19.987134061194293    | 1.4616645332563827     | 1.4616645332563827    | 0.0        |
| 64 —Rule-DDQN—Complete-model-0 vsRule-DDQN—MachineCompressed-model-5 0.7812109917/4321 49.58019028171092 2.253645285532296 2.253645285532296 2.253645285532296 2.253645285532296   |                               |   |                        |                       |                        |                       | 0.0        |
| by Lwkn vs.—Rule-DDQN—machineCompressed-model-3  |                               |   |                        |                       |                        |                       | 0.0        |
| 00 Number model 0 10 Number machine compressed-model 9 00000011000000 272000000 272000002200 272000002200  | 00                            | Transcomptessed model-4   | 0.0001041404004400     | 3000000100100004      | 2.200040200002200      | 2.200040200002200     | 0.0        |