PROST: September 6, 2014 12:47

Rewards: elevators

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------------------|---------------------|---------------------|----------------------|
| min | $-66.57(\pm 2.69)$ | $-57.7(\pm 6.23)$ | $-71.7(\pm 1.75)$ | $-105.0(\pm 7.98)$ | $-111.8(\pm 7.89)$ | $-124.37(\pm 4.7)$ | $-134.53(\pm 11.84)$ | $-152.4(\pm 10.31)$ | $-163.03(\pm 8.01)$ | $-126.93(\pm 12.11)$ |
| rev72 [DP-UCT -i [IDS]] | $-44.23(\pm 2.55)$ | $-18.59(\pm 1.62)$ | $-54.58(\pm 1.88)$ | $-58.11(\pm 3.92)$ | $-54.23(\pm 3.42)$ | $-68.04(\pm 3.35)$ | $-82.94(\pm 4.75)$ | $-77.2(\pm 4.09)$ | $-91.69(\pm 4.77)$ | $-67.61(\pm 5.11)$ |
| rev72 [IPPC2011] | $-44.33(\pm 2.5)$ | $-16.32(\pm 1.46)$ | $-55.84(\pm 1.97)$ | $-56.31(\pm 3.87)$ | $-50.5(\pm 3.12)$ | $-66.61(\pm 2.65)$ | $-86.5(\pm 5.42)$ | $-73.3 (\pm 3.87)$ | $-94.77(\pm 4.56)$ | $-67.16(\pm 5.17)$ |
| rev72 [MC-UCT -i [IDS]] | $-44.15(\pm 2.71)$ | $-18.41(\pm 1.69)$ | $-56.83(\pm 2.04)$ | $-59.34(\pm 4.11)$ | $-54.69(\pm 3.02)$ | $-74.69(\pm 3.15)$ | $-83.13(\pm 4.91)$ | $-80.61(\pm 3.73)$ | $-96.09(\pm 3.84)$ | $-68.95(\pm 5.45)$ |
| rev72 [MaxMC-UCT -i [IDS]] | $-45.93(\pm 2.49)$ | $-17.8(\pm 1.42)$ | $-57.2(\pm 1.91)$ | $-58.02(\pm 3.81)$ | $-55.59(\pm 3.49)$ | $-69.58(\pm 3.24)$ | $-83.34(\pm 4.61)$ | $-77.53(\pm 4.19)$ | $-95.58(\pm 4.44)$ | $-70.24(\pm 5.93)$ |
| rev72 [UCTStar -i [IDS]] | $-43.88(\pm 2.52)$ | $-18.23(\pm 1.54)$ | $-55.7(\pm 2.01)$ | $-58.49(\pm 3.83)$ | $-51.36(\pm 3.23)$ | $-68.21(\pm 3.54)$ | $-79.67(\pm 5.03)$ | $-72.93(\pm 4.35)$ | $-90.66(\pm 4.02)$ | $-67.49(\pm 5.7)$ |
| rev99 CDP-UCT | $-43.55(\pm 4.64)$ | $-18.55(\pm 2.72)$ | $-56.42(\pm 3.76)$ | $-55.94(\pm 7.07)$ | $-53.21(\pm 5.91)$ | $-66.39(\pm 5.07)$ | $-84.03(\pm 8.54)$ | $-75.23(\pm 7.13)$ | $-89.78(\pm 7.72)$ | $-62.74(\pm 9.89)$ |

IPPC Scores: elevators

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| min | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| rev72 [DP-UCT -i [IDS]] | 0.97 | 0.95 | 1.0 | 0.96 | 0.94 | 0.97 | 0.94 | 0.95 | 0.97 | 0.92 |
| rev72 [IPPC2011] | 0.97 | 1.0 | 0.93 | 0.99 | 1.0 | 1.0 | 0.88 | 1.0 | 0.93 | 0.93 |
| rev72 [MC-UCT -i [IDS]] | 0.97 | 0.95 | 0.87 | 0.93 | 0.93 | 0.86 | 0.94 | 0.9 | 0.91 | 0.9 |
| rev72 [MaxMC-UCT -i [IDS]] | 0.9 | 0.96 | 0.85 | 0.96 | 0.92 | 0.94 | 0.93 | 0.94 | 0.92 | 0.88 |
| rev72 [UCTStar -i [IDS]] | 0.99 | 0.95 | 0.93 | 0.95 | 0.99 | 0.97 | 1.0 | 1.0 | 0.99 | 0.93 |
| rev99 CDP-UCT | 1.0 | 0.95 | 0.89 | 1.0 | 0.96 | 1.0 | 0.92 | 0.97 | 1.0 | 1.0 |

Rewards: sysadmin

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|
| min | $210.18(\pm 10.77)$ | $166.68(\pm 9.63)$ | $345.4(\pm 15.84)$ | $311.79(\pm 19.75)$ | $443.05(\pm 15.19)$ | $407.16(\pm 17.92)$ | $513.74(\pm 23.37)$ | $426.46(\pm 18.46)$ | $612.06(\pm 28.27)$ | $471.1(\pm 21.62)$ |
| rev72 [DP-UCT -i [IDS]] | $335.8(\pm 4.0)$ | $300.88(\pm 7.67)$ | $480.62(\pm 12.83)$ | $430.04(\pm 13.75)$ | $503.32(\pm 10.66)$ | $456.47(\pm 12.43)$ | $573.08(\pm 13.55)$ | $470.94(\pm 11.86)$ | $693.74(\pm 15.23)$ | $513.43(\pm 11.17)$ |
| rev72 [IPPC2011] | $339.52(\pm 4.47)$ | $308.95(\pm 7.97)$ | $561.05 (\pm 15.08)$ | $476.83(\pm 16.68)$ | $555.34(\pm 13.96)$ | $499.81(\pm 13.69)$ | $600.0(\pm 14.0)$ | $481.77(\pm 12.45)$ | $719.3(\pm 13.57)$ | $522.84(\pm 10.06)$ |
| rev72 [MC-UCT -i [IDS]] | $337.34(\pm 3.85)$ | $305.46(\pm 7.79)$ | $518.66(\pm 14.37)$ | $462.01(\pm 17.49)$ | $513.71(\pm 11.69)$ | $465.53(\pm 12.58)$ | $564.56(\pm 12.08)$ | $453.04(\pm 11.18)$ | $687.1(\pm 12.69)$ | $501.79(\pm 10.33)$ |
| rev72 [MaxMC-UCT -i [IDS]] | $333.15(\pm 4.62)$ | $301.56(\pm 8.34)$ | $502.52(\pm 12.42)$ | $435.21(\pm 13.41)$ | $515.4(\pm 11.96)$ | $473.01(\pm 11.56)$ | $583.43(\pm 12.21)$ | $478.6(\pm 10.41)$ | $711.3(\pm 13.28)$ | $527.19(\pm 11.73)$ |
| rev72 [UCTStar -i [IDS]] | $336.94(\pm 3.81)$ | $308.84(\pm 7.45)$ | $554.88(\pm 15.45)$ | $492.28 (\pm 16.35)$ | $581.93(\pm 16.76)$ | $517.37(\pm 17.0)$ | $609.03(\pm 16.46)$ | $500.92(\pm 13.87)$ | $720.02 (\pm 14.97)$ | $551.1 (\pm 13.94)$ |
| rev99 CDP-UCT | $329.17(\pm 7.25)$ | $305.27(\pm 14.06)$ | $533.98(\pm 24.72)$ | $488.92(\pm 29.2)$ | $584.85 (\pm 29.38)$ | $526.32 (\pm 26.69)$ | $610.17 (\pm 31.07)$ | $504.85 (\pm 26.66)$ | $718.08(\pm 28.13)$ | $543.92(\pm 23.45)$ |

IPPC Scores: sysadmin

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| min | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| rev72 [DP-UCT -i [IDS]] | 0.97 | 0.94 | 0.63 | 0.66 | 0.43 | 0.41 | 0.62 | 0.57 | 0.76 | 0.53 |
| rev72 [IPPC2011] | 1.0 | 1.0 | 1.0 | 0.91 | 0.79 | 0.78 | 0.89 | 0.71 | 0.99 | 0.65 |
| rev72 [MC-UCT -i [IDS]] | 0.98 | 0.98 | 0.8 | 0.83 | 0.5 | 0.49 | 0.53 | 0.34 | 0.7 | 0.38 |
| rev72 [MaxMC-UCT -i [IDS]] | 0.95 | 0.95 | 0.73 | 0.68 | 0.51 | 0.55 | 0.72 | 0.67 | 0.92 | 0.7 |
| rev72 [UCTStar -i [IDS]] | 0.98 | 1.0 | 0.97 | 1.0 | 0.98 | 0.92 | 0.99 | 0.95 | 1.0 | 1.0 |
| rev99 CDP-UCT | 0.92 | 0.97 | 0.87 | 0.98 | 1.0 | 1.0 | 1.0 | 1.0 | 0.98 | 0.91 |

Rewards: recon

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|------------------|------------------|-------------------|------------------|-------------------|-------------------|------------------|-------------------|------------------|------------------|
| min | $0.0(\pm 0.0)$ | $0.0(\pm 0.0)$ | $0.0(\pm 0.0)$ | $0.0(\pm 0.0)$ | $0.0(\pm 0.0)$ | $0.0(\pm 0.0)$ | $0.0(\pm 0.0)$ | $0.0(\pm 0.0)$ | $0.0(\pm 0.0)$ | $0.0(\pm 0.0)$ |
| rev72 [DP-UCT -i [IDS]] | $3.46(\pm 0.17)$ | $3.16(\pm0.09)$ | $14.1(\pm 0.13)$ | $2.54(\pm 0.13)$ | $14.63(\pm0.18)$ | $8.58(\pm 0.2)$ | $4.22(\pm0.1)$ | $10.31 (\pm 0.1)$ | $7.54(\pm 0.22)$ | $4.67(\pm0.09)$ |
| rev72 [IPPC2011] | $3.43(\pm 0.14)$ | $3.16(\pm0.09)$ | $14.09(\pm0.13)$ | $2.71(\pm 0.09)$ | $14.65(\pm0.22)$ | $10.17(\pm 0.08)$ | $5.22(\pm 0.07)$ | $10.31(\pm 0.12)$ | $9.59(\pm 0.09)$ | $5.97(\pm0.08)$ |
| rev72 [MC-UCT -i [IDS]] | $3.49(\pm0.22)$ | $3.14(\pm 0.13)$ | $14.12(\pm 0.11)$ | $2.68(\pm 0.11)$ | $14.59(\pm0.32)$ | $10.23(\pm 0.14)$ | $5.25(\pm 0.06)$ | $10.33(\pm0.09)$ | $9.55(\pm0.1)$ | $6.01(\pm 0.07)$ |
| rev72 [MaxMC-UCT -i [IDS]] | $3.37(\pm0.12)$ | $3.12(\pm 0.14)$ | $14.12(\pm 0.11)$ | $2.54(\pm 0.15)$ | $14.65(\pm0.19)$ | $8.45(\pm 0.21)$ | $3.89(\pm 0.1)$ | $10.32 (\pm 0.1)$ | $7.42(\pm 0.21)$ | $4.32(\pm0.1)$ |
| rev72 [UCTStar -i [IDS]] | $3.28(\pm 0.1)$ | $3.12(\pm 0.13)$ | $13.83(\pm 0.17)$ | $2.65(\pm 0.09)$ | $14.64(\pm 0.2)$ | $10.33(\pm0.17)$ | $5.17(\pm 0.07)$ | $10.1(\pm 0.1)$ | $8.87(\pm 0.25)$ | $5.61(\pm 0.12)$ |
| rev99 CDP-UCT | $3.27(\pm 0.7)$ | $3.2(\pm 0.5)$ | $11.78(\pm 0.35)$ | $2.46(\pm0.17)$ | $11.55(\pm 0.79)$ | $9.22(\pm 0.18)$ | $4.41(\pm 0.17)$ | $6.85(\pm0.65)$ | $8.5(\pm 0.24)$ | $4.78(\pm 0.16)$ |

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IPPC Scores: recon

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| min | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| rev72 [DP-UCT -i [IDS]] | 0.99 | 0.99 | 1.0 | 0.94 | 1.0 | 0.83 | 0.8 | 1.0 | 0.79 | 0.78 |
| rev72 [IPPC2011] | 0.98 | 0.99 | 1.0 | 1.0 | 1.0 | 0.98 | 0.99 | 1.0 | 1.0 | 0.99 |
| rev72 [MC-UCT -i [IDS]] | 1.0 | 0.98 | 1.0 | 0.99 | 1.0 | 0.99 | 1.0 | 1.0 | 1.0 | 1.0 |
| rev72 [MaxMC-UCT -i [IDS]] | 0.97 | 0.97 | 1.0 | 0.94 | 1.0 | 0.82 | 0.74 | 1.0 | 0.77 | 0.72 |
| rev72 [UCTStar -i [IDS]] | 0.94 | 0.97 | 0.98 | 0.98 | 1.0 | 1.0 | 0.98 | 0.98 | 0.92 | 0.93 |
| rev99 CDP-UCT | 0.94 | 1.0 | 0.83 | 0.91 | 0.79 | 0.89 | 0.84 | 0.66 | 0.89 | 0.8 |

Rewards: game

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|---------------------|---------------------|
| min | $70.53(\pm 14.78)$ | $73.27(\pm 9.76)$ | $107.17(\pm 8.53)$ | $167.23(\pm 27.73)$ | $203.07(\pm 14.44)$ | $224.17(\pm 9.16)$ | $264.97(\pm 37.19)$ | $295.23(\pm 22.8)$ | $311.47(\pm 16.69)$ | $176.73(\pm 32.03)$ |
| rev72 [DP-UCT -i [IDS]] | $204.52 (\pm 6.05)$ | $129.34(\pm 8.55)$ | $145.47(\pm 4.8)$ | $342.8(\pm 7.5)$ | $297.77(\pm 5.86)$ | $278.65(\pm 4.25)$ | $471.26(\pm 5.12)$ | $435.02(\pm 6.16)$ | $408.65(\pm 6.56)$ | $558.32(\pm 8.72)$ |
| rev72 [IPPC2011] | $204.21(\pm 6.29)$ | $130.96(\pm 8.36)$ | $148.91 (\pm 4.75)$ | $349.52(\pm 3.66)$ | $310.07(\pm 5.16)$ | $284.31(\pm 3.56)$ | $468.83(\pm 5.82)$ | $434.79(\pm 6.6)$ | $410.23(\pm 5.78)$ | $562.03(\pm 8.52)$ |
| rev72 [MC-UCT -i [IDS]] | $200.9(\pm 6.66)$ | $128.85(\pm 8.54)$ | $147.26(\pm 4.85)$ | $345.03(\pm 5.13)$ | $299.89(\pm 6.3)$ | $276.29(\pm 3.51)$ | $469.54(\pm 5.91)$ | $433.09(\pm 7.14)$ | $418.72(\pm 5.28)$ | $553.3(\pm 6.95)$ |
| rev72 [MaxMC-UCT -i [IDS]] | $200.87(\pm 5.41)$ | $128.51(\pm 8.33)$ | $148.27(\pm 4.39)$ | $346.82(\pm 6.21)$ | $299.66(\pm 5.37)$ | $278.5(\pm 3.8)$ | $468.56(\pm 6.23)$ | $435.66(\pm 6.78)$ | $419.43(\pm 6.29)$ | $559.73(\pm 7.52)$ |
| rev72 [UCTStar -i [IDS]] | $202.16(\pm 7.97)$ | $134.15 (\pm 8.06)$ | $149.07 (\pm 5.14)$ | $365.37(\pm 4.96)$ | $316.24(\pm 5.02)$ | $287.54(\pm 3.5)$ | $505.96(\pm 5.37)$ | $449.76(\pm 5.72)$ | $422.58(\pm 5.26)$ | $591.3(\pm 8.92)$ |
| rev99 CDP-UCT | $203.2(\pm 12.07)$ | $115.57(\pm 15.61)$ | $145.9(\pm 10.02)$ | $364.0(\pm 6.97)$ | $319.37(\pm 8.94)$ | $289.33 (\pm 7.14)$ | $514.23(\pm 8.92)$ | $467.37 (\pm 11.95)$ | $426.3 (\pm 10.05)$ | $617.2 (\pm 16.75)$ |

IPPC Scores: game

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| min | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| rev72 [DP-UCT -i [IDS]] | 1.0 | 0.92 | 0.91 | 0.89 | 0.81 | 0.84 | 0.83 | 0.81 | 0.85 | 0.87 |
| rev72 [IPPC2011] | 1.0 | 0.95 | 1.0 | 0.92 | 0.92 | 0.92 | 0.82 | 0.81 | 0.86 | 0.87 |
| rev72 [MC-UCT -i [IDS]] | 0.97 | 0.91 | 0.96 | 0.9 | 0.83 | 0.8 | 0.82 | 0.8 | 0.93 | 0.85 |
| rev72 [MaxMC-UCT -i [IDS]] | 0.97 | 0.91 | 0.98 | 0.91 | 0.83 | 0.83 | 0.82 | 0.82 | 0.94 | 0.87 |
| rev72 [UCTStar -i [IDS]] | 0.98 | 1.0 | 1.0 | 1.0 | 0.97 | 0.97 | 0.97 | 0.9 | 0.97 | 0.94 |
| rev99 CDP-UCT | 0.99 | 0.69 | 0.92 | 0.99 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

Rewards: traffic

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|-------------------|--------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| min | $-21.6(\pm 4.66)$ | $-49.2(\pm 5.57)$ | $-63.93(\pm 10.13)$ | $-119.33(\pm 3.54)$ | $-123.03(\pm 8.76)$ | $-158.27(\pm 12.57)$ | $-146.97(\pm 14.87)$ | $-154.37(\pm 15.51)$ | $-108.03(\pm 16.02)$ | $-255.83(\pm 17.04)$ |
| rev72 [DP-UCT -i [IDS]] | $-7.77(\pm0.82)$ | $-17.69(\pm 1.21)$ | $-26.2(\pm 2.61)$ | $-59.45(\pm 3.29)$ | $-53.64(\pm 3.55)$ | $-83.05(\pm 4.99)$ | $-50.82(\pm 3.06)$ | $-70.56(\pm 6.73)$ | $-26.75(\pm 4.14)$ | $-131.58(\pm 7.73)$ |
| rev72 [IPPC2011] | $-5.05(\pm0.8)$ | $-13.9(\pm 1.09)$ | $-22.96(\pm 2.14)$ | $-62.05(\pm 2.69)$ | $-52.74(\pm 3.69)$ | $-80.6(\pm 4.99)$ | $-50.97(\pm 3.59)$ | $-63.86(\pm 5.38)$ | $-24.04(\pm 3.16)$ | $-112.98(\pm 5.82)$ |
| rev72 [MC-UCT -i [IDS]] | $-5.97(\pm0.8)$ | $-16.56(\pm 1.11)$ | $-27.06(\pm 2.27)$ | $-69.6(\pm 3.17)$ | $-53.87(\pm 3.47)$ | $-85.42(\pm 5.49)$ | $-51.67(\pm 3.37)$ | $-75.93(\pm 6.19)$ | $-27.59(\pm 3.7)$ | $-125.44(\pm 6.67)$ |
| rev72 [MaxMC-UCT -i [IDS]] | $-7.94(\pm0.93)$ | $-18.83(\pm 1.1)$ | $-23.52(\pm 2.2)$ | $-62.18(\pm 2.99)$ | $-52.07(\pm 4.01)$ | $-82.05(\pm 5.37)$ | $-53.87(\pm 3.29)$ | $-66.33(\pm 6.66)$ | $-25.23(\pm 3.65)$ | $-126.6(\pm 6.14)$ |
| rev72 [UCTStar -i [IDS]] | $-5.06(\pm0.69)$ | $-14.34(\pm 1.03)$ | $-15.69(\pm 2.17)$ | $-48.11(\pm 2.96)$ | $-46.42(\pm 3.44)$ | $-73.5(\pm 4.77)$ | $-44.6(\pm 2.76)$ | $-58.36(\pm 6.16)$ | $-23.12(\pm 3.22)$ | $-131.1(\pm 6.95)$ |
| rev99 CDP-UCT | $-4.43(\pm 1.02)$ | $-11.77(\pm 1.51)$ | $-12.57(\pm 3.56)$ | $-47.53(\pm 5.01)$ | $-46.07(\pm 6.01)$ | $-67.63(\pm 9.66)$ | $-45.87(\pm 5.17)$ | $-53.93(\pm 8.14)$ | $-21.1(\pm 4.84)$ | $-125.37(\pm 11.78)$ |

IPPC Scores: traffic

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| min | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| rev72 [DP-UCT -i [IDS]] | 0.81 | 0.84 | 0.73 | 0.83 | 0.9 | 0.83 | 0.94 | 0.83 | 0.94 | 0.87 |
| rev72 [IPPC2011] | 0.96 | 0.94 | 0.8 | 0.8 | 0.91 | 0.86 | 0.94 | 0.9 | 0.97 | 1.0 |
| rev72 [MC-UCT -i [IDS]] | 0.91 | 0.87 | 0.72 | 0.69 | 0.9 | 0.8 | 0.93 | 0.78 | 0.93 | 0.91 |
| rev72 [MaxMC-UCT -i [IDS]] | 0.8 | 0.81 | 0.79 | 0.8 | 0.92 | 0.84 | 0.91 | 0.88 | 0.95 | 0.9 |
| rev72 [UCTStar -i [IDS]] | 0.96 | 0.93 | 0.94 | 0.99 | 1.0 | 0.94 | 1.0 | 0.96 | 0.98 | 0.87 |
| rev99 CDP-UCT | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.99 | 1.0 | 1.0 | 0.91 |

Rewards: crossing

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|
| min | $-34.83(\pm 4.38)$ | $-38.67(\pm 1.82)$ | $-39.03(\pm 1.89)$ | $-40.0(\pm0.0)$ | $-38.97(\pm 2.03)$ | $-40.0(\pm0.0)$ | $-39.47(\pm 1.05)$ | $-40.0(\pm0.0)$ | $-40.0(\pm0.0)$ | $-40.0(\pm0.0)$ |
| rev72 [DP-UCT -i [IDS]] | $-4.37 (\pm 0.14)$ | $-5.39 (\pm 0.32)$ | $-6.15(\pm0.35)$ | $-10.73(\pm0.95)$ | $-7.53(\pm0.7)$ | $-10.74(\pm0.61)$ | $-11.43(\pm0.62)$ | $-18.38(\pm 1.38)$ | $-11.8(\pm 0.79)$ | $-18.91(\pm 1.68)$ |
| rev72 [IPPC2011] | $-4.37 (\pm 0.14)$ | $-5.37 (\pm 0.32)$ | $-7.06(\pm0.44)$ | $-11.85(\pm0.94)$ | $-8.6(\pm 0.72)$ | $-12.05(\pm0.9)$ | $-14.3(\pm 1.73)$ | $-28.4(\pm 2.51)$ | $-15.41(\pm 1.74)$ | $-29.57(\pm 2.39)$ |
| rev72 [MC-UCT -i [IDS]] | $-4.74(\pm 0.23)$ | $-5.39 (\pm 0.32)$ | $-6.84(\pm0.44)$ | $-11.97(\pm0.98)$ | $-8.17(\pm0.42)$ | $-11.6(\pm 1.07)$ | $-16.57(\pm 2.62)$ | $-27.97(\pm 2.78)$ | $-16.94(\pm 2.91)$ | $-29.02(\pm 2.8)$ |
| rev72 [MaxMC-UCT -i [IDS]] | $-4.37 (\pm 0.14)$ | $-5.37 (\pm 0.32)$ | $-6.29 (\pm 0.38)$ | $-10.51(\pm 0.93)$ | $-7.6(\pm 0.7)$ | $-10.85(\pm0.63)$ | $-11.43(\pm0.83)$ | $-17.67(\pm 1.13)$ | $-11.83(\pm 1.09)$ | $-18.48(\pm 1.47)$ |
| rev72 [UCTStar -i [IDS]] | $-4.37(\pm0.14)$ | $-5.37 (\pm 0.32)$ | $-6.18(\pm0.36)$ | $-10.05(\pm0.92)$ | $-7.11(\pm 0.69)$ | $-9.74(\pm 1.04)$ | $-10.11(\pm 1.08)$ | $-22.4(\pm 2.24)$ | $-9.5(\pm0.8)$ | $-23.3(\pm 2.0)$ |
| rev99 CDP-UCT | $-9.93(\pm 1.49)$ | $-7.47(\pm0.83)$ | $-6.47(\pm0.73)$ | $-9.73(\pm 1.42)$ | $-7.73(\pm 2.21)$ | $-8.9 (\pm 1.05)$ | $-8.37 (\pm 0.88)$ | $-22.53(\pm 4.07)$ | $-8.77(\pm0.38)$ | $-16.63(\pm 2.37)$ |

IPPC Scores: crossing

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| min | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| rev72 [DP-UCT -i [IDS]] | 1.0 | 1.0 | 1.0 | 0.97 | 0.99 | 0.94 | 0.9 | 0.97 | 0.9 | 0.9 |
| rev72 [IPPC2011] | 1.0 | 1.0 | 0.97 | 0.93 | 0.95 | 0.9 | 0.81 | 0.52 | 0.79 | 0.45 |
| rev72 [MC-UCT -i [IDS]] | 0.99 | 1.0 | 0.98 | 0.93 | 0.97 | 0.91 | 0.74 | 0.54 | 0.74 | 0.47 |
| rev72 [MaxMC-UCT -i [IDS]] | 1.0 | 1.0 | 1.0 | 0.97 | 0.98 | 0.94 | 0.9 | 1.0 | 0.9 | 0.92 |
| rev72 [UCTStar -i [IDS]] | 1.0 | 1.0 | 1.0 | 0.99 | 1.0 | 0.97 | 0.94 | 0.79 | 0.98 | 0.71 |
| rev99 CDP-UCT | 0.82 | 0.94 | 0.99 | 1.0 | 0.98 | 1.0 | 1.0 | 0.78 | 1.0 | 1.0 |

Rewards: skill

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|-------------------|--------------------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| min | $39.34(\pm 7.38)$ | $33.75(\pm 10.34)$ | $-83.23(\pm 31.2)$ | $-108.73(\pm 27.53)$ | $-285.95(\pm 32.72)$ | $-302.99(\pm 45.35)$ | $-382.86(\pm 47.52)$ | $-541.01(\pm 46.26)$ | $-543.09(\pm 38.88)$ | $-632.0(\pm 48.13)$ |
| rev72 [DP-UCT -i [IDS]] | $66.95(\pm 1.62)$ | $78.8(\pm 1.88)$ | $98.2(\pm 10.18)$ | $102.62(\pm 10.05)$ | $16.57(\pm 15.51)$ | $37.11(\pm 24.54)$ | $-74.5(\pm 31.01)$ | $-168.36(\pm 38.53)$ | $-169.1(\pm 33.84)$ | $-214.21(\pm 41.05)$ |
| rev72 [IPPC2011] | $65.8(\pm 1.59)$ | $79.11(\pm 1.81)$ | $87.91(\pm 11.27)$ | $100.23(\pm 12.54)$ | $14.5(\pm 19.83)$ | $4.84(\pm 26.73)$ | $-35.18(\pm 25.56)$ | $-152.7(\pm 42.35)$ | $-156.19(\pm 30.51)$ | $-220.43(\pm 40.58)$ |
| rev72 [MC-UCT -i [IDS]] | $66.91(\pm 1.62)$ | $78.78(\pm 1.88)$ | $75.28(\pm 13.78)$ | $101.16(\pm 10.22)$ | $4.94(\pm 19.3)$ | $3.69(\pm 26.0)$ | $-67.21(\pm 27.27)$ | $-148.11(\pm 38.29)$ | $-175.95(\pm 34.16)$ | $-199.58(\pm 43.96)$ |
| rev72 [MaxMC-UCT -i [IDS]] | $67.03(\pm 1.62)$ | $78.78(\pm 1.89)$ | $80.77(\pm 11.48)$ | $103.31(\pm 11.44)$ | $-11.43(\pm 19.13)$ | $-9.21(\pm 28.09)$ | $-68.54(\pm 25.35)$ | $-200.49(\pm 38.79)$ | $-156.12(\pm 29.13)$ | $-204.92(\pm 36.11)$ |
| rev72 [UCTStar -i [IDS]] | $66.43(\pm 1.57)$ | $78.51(\pm 2.05)$ | $96.43(\pm 10.79)$ | $100.25(\pm 10.62)$ | $-19.01(\pm 19.1)$ | $0.52(\pm 25.18)$ | $-55.9(\pm 25.13)$ | $-169.06(\pm 31.39)$ | $-155.45(\pm 29.91)$ | $-190.09(\pm 41.7)$ |
| rev99 CDP-UCT | $67.81(\pm 2.07)$ | $79.53(\pm 2.94)$ | $95.25(\pm 20.34)$ | $108.34(\pm 19.07)$ | $27.1(\pm 32.59)$ | $64.25(\pm 48.84)$ | $-39.89(\pm 50.37)$ | $-187.77(\pm 63.32)$ | $-109.05(\pm 44.98)$ | $-168.78(\pm71.78)$ |

IPPC Scores: skill

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| min | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| rev72 [DP-UCT -i [IDS]] | 0.97 | 0.98 | 1.0 | 0.97 | 0.97 | 0.93 | 0.89 | 0.95 | 0.86 | 0.9 |
| rev72 [IPPC2011] | 0.93 | 0.99 | 0.94 | 0.96 | 0.96 | 0.84 | 1.0 | 0.99 | 0.89 | 0.89 |
| rev72 [MC-UCT -i [IDS]] | 0.97 | 0.98 | 0.87 | 0.97 | 0.93 | 0.84 | 0.91 | 1.0 | 0.85 | 0.93 |
| rev72 [MaxMC-UCT -i [IDS]] | 0.97 | 0.98 | 0.9 | 0.98 | 0.88 | 0.8 | 0.9 | 0.87 | 0.89 | 0.92 |
| rev72 [UCTStar -i [IDS]] | 0.95 | 0.98 | 0.99 | 0.96 | 0.85 | 0.83 | 0.94 | 0.95 | 0.89 | 0.95 |
| rev99 CDP-UCT | 1.0 | 1.0 | 0.98 | 1.0 | 1.0 | 1.0 | 0.99 | 0.9 | 1.0 | 1.0 |

Rewards: navigation

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| min | $-37.27(\pm 3.01)$ | $-40.0(\pm0.0)$ | $-40.0(\pm0.0)$ | $-39.83(\pm0.33)$ | $-40.0(\pm0.0)$ | $-40.0(\pm0.0)$ | $-40.0(\pm0.0)$ | $-38.73(\pm 2.48)$ | $-40.0(\pm0.0)$ | $-40.0(\pm0.0)$ |
| rev72 [DP-UCT -i [IDS]] | $-9.28(\pm 1.24)$ | $-10.3(\pm 0.59)$ | $-12.16(\pm 1.12)$ | $-14.89(\pm 1.36)$ | $-20.8(\pm 0.77)$ | $-21.97(\pm0.76)$ | $-23.92(\pm 1.06)$ | $-31.9(\pm 2.03)$ | $-35.93(\pm 1.03)$ | $-37.96(\pm0.68)$ |
| rev72 [IPPC2011] | $-9.29(\pm 1.24)$ | $-10.33(\pm0.59)$ | $-12.26(\pm 1.12)$ | $-15.97(\pm 1.5)$ | $-22.11(\pm 2.21)$ | $-36.58(\pm 1.44)$ | $-38.99(\pm0.48)$ | $-33.45(\pm 2.58)$ | $-39.27(\pm0.65)$ | $-40.0(\pm0.0)$ |
| rev72 [MC-UCT -i [IDS]] | $-11.07(\pm 1.58)$ | $-11.51(\pm 1.0)$ | $-13.85(\pm 1.43)$ | $-16.48(\pm 1.56)$ | $-21.19(\pm 1.35)$ | $-22.9(\pm0.87)$ | $-25.12(\pm 1.06)$ | $-30.79(\pm 2.46)$ | $-37.97(\pm 1.07)$ | $-38.71(\pm0.63)$ |
| rev72 [MaxMC-UCT -i [IDS]] | $-9.28(\pm 1.24)$ | $-10.35(\pm0.59)$ | $-13.98(\pm 1.62)$ | $-16.67(\pm 1.47)$ | $-25.43(\pm 1.38)$ | $-35.46(\pm 1.32)$ | $-35.83(\pm 1.33)$ | $-39.88(\pm0.13)$ | $-40.0(\pm0.0)$ | $-40.0(\pm0.0)$ |
| rev72 [UCTStar -i [IDS]] | $-9.28(\pm 1.24)$ | $-10.3(\pm 0.59)$ | $-12.16(\pm 1.12)$ | $-14.4(\pm 1.16)$ | $-20.51(\pm0.57)$ | $-23.4(\pm 1.14)$ | $-25.22(\pm 1.29)$ | $-29.1(\pm 2.14)$ | $-36.34(\pm 1.0)$ | $-38.25(\pm0.65)$ |
| rev99 CDP-UCT | $-9.63(\pm 2.33)$ | $-11.77(\pm 2.43)$ | $-14.93(\pm 3.12)$ | $-22.7(\pm 3.9)$ | $-23.9(\pm 2.53)$ | $-26.77(\pm 2.81)$ | $-30.23(\pm 2.89)$ | $-34.57(\pm 2.77)$ | $-38.97(\pm 1.01)$ | $-39.57(\pm0.49)$ |

IPPC Scores: navigation

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| min | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| rev72 [DP-UCT -i [IDS]] | 1.0 | 1.0 | 1.0 | 0.98 | 0.99 | 1.0 | 1.0 | 0.71 | 1.0 | 1.0 |
| rev72 [IPPC2011] | 1.0 | 1.0 | 1.0 | 0.94 | 0.92 | 0.19 | 0.06 | 0.55 | 0.18 | 0.0 |
| rev72 [MC-UCT -i [IDS]] | 0.94 | 0.96 | 0.94 | 0.92 | 0.97 | 0.95 | 0.93 | 0.82 | 0.5 | 0.63 |
| rev72 [MaxMC-UCT -i [IDS]] | 1.0 | 1.0 | 0.93 | 0.91 | 0.75 | 0.25 | 0.26 | 0.0 | 0.0 | 0.0 |
| rev72 [UCTStar -i [IDS]] | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.92 | 0.92 | 1.0 | 0.9 | 0.86 |
| rev99 CDP-UCT | 0.99 | 0.95 | 0.9 | 0.67 | 0.83 | 0.73 | 0.61 | 0.43 | 0.25 | 0.21 |

Total Time (in minutes)

| | elevators | sysadmin | recon | game | traffic | crossing | skill | navigation | Total |
|----------------------------|-----------|----------|--------|--------|---------|----------|--------|------------|---------|
| min | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| rev72 [DP-UCT -i [IDS]] | 612.39 | 775.43 | 581.78 | 726.49 | 643.03 | 195.18 | 200.15 | 63.75 | 3798.2 |
| rev72 [IPPC2011] | 824.65 | 803.55 | 749.75 | 794.71 | 665.61 | 173.42 | 332.07 | 303.65 | 4647.41 |
| rev72 [MC-UCT -i [IDS]] | 843.3 | 799.32 | 793.4 | 804.54 | 672.21 | 148.84 | 362.42 | 275.11 | 4699.14 |
| rev72 [MaxMC-UCT -i [IDS]] | 841.19 | 777.97 | 734.7 | 767.17 | 677.22 | 194.86 | 357.19 | 426.79 | 4777.09 |
| rev72 [UCTStar -i [IDS]] | 535.14 | 755.81 | 565.22 | 688.58 | 629.79 | 197.17 | 182.63 | 76.35 | 3630.68 |
| rev99 CDP-UCT | 156.76 | 179.8 | 177.11 | 179.04 | 179.74 | 114.95 | 77.64 | 64.28 | 1129.32 |

IPPC Scores: Total

| | elevators | sysadmin | recon | game | traffic | crossing | skill | navigation | Total |
|----------------------------|-----------|----------|-------|------|---------|----------|-------|------------|-------|
| min | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| rev72 [DP-UCT -i [IDS]] | 0.96 | 0.65 | 0.91 | 0.87 | 0.85 | 0.96 | 0.94 | 0.97 | 0.89 |
| rev72 [IPPC2011] | 0.96 | 0.87 | 0.99 | 0.91 | 0.91 | 0.83 | 0.94 | 0.58 | 0.87 |
| rev72 [MC-UCT -i [IDS]] | 0.92 | 0.65 | 1.0 | 0.88 | 0.84 | 0.83 | 0.93 | 0.86 | 0.86 |
| rev72 [MaxMC-UCT -i [IDS]] | 0.92 | 0.74 | 0.89 | 0.89 | 0.86 | 0.96 | 0.91 | 0.51 | 0.83 |
| rev72 [UCTStar -i [IDS]] | 0.97 | 0.98 | 0.97 | 0.97 | 0.96 | 0.94 | 0.93 | 0.96 | 0.96 |
| rev99 CDP-UCT | 0.97 | 0.96 | 0.86 | 0.96 | 0.99 | 0.95 | 0.99 | 0.66 | 0.92 |