

CTP: April 29, 2010 10:56 (based on 1000 runs)

Cost

| solver | ours 10 #00 | ours 10 #01 | ours 10 #02 | ours 10 #03 | ours 10 #04 | ours 10 #05 |
|----------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| DIJ | 101.364±3.723 | 115.973±3.230 | 124.395±3.284 | 53.811±2.820 | 85.946±2.320 | 102.468±3.498 |
| HOP:N:10000:N:Y:Y:N | 101.982±3.811 | 99.958±2.281 | 114.796±3.000 | 55.831±2.770 | 86.921±2.257 | 95.720±2.608 |
| MC:N:10000:N:Y:Y:N | 101.793±3.791 | 100.251±2.265 | 115.897±3.108 | 53.495±2.680 | 86.167±2.311 | 91.571±2.916 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 101.351±3.723 | 99.929±2.270 | 115.238±3.043 | 53.445±2.690 | 86.132±2.332 | 92.609±2.851 |
| UCT:N:10000:1:Y:N:0 | 114.881±3.866 | 102.568±2.359 | 127.220±3.355 | 58.038±2.810 | 89.325±2.474 | 111.525±3.549 |
| ldfs | ₁ 122.173±nan | ₁ 120.509±nan | ₁ 123.626±nan | ₁ 55.225±nan | ₁ 91.981±nan | ₁ 99.845±nan |

| solver | ours 10 #06 | ours 10 #07 | ours 10 #08 | ours 10 #09 | ours 11 #00 | ours 11 #01 |
|----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|
| DIJ | 76.250±2.649 | 72.814±1.490 | 68.142±2.985 | 76.914±2.788 | 149.277±3.424 | 140.153±4.106 |
| HOP:N:10000:N:Y:Y:N | 66.792±1.778 | 72.756±1.488 | 66.492±2.675 | 75.228±2.664 | 108.297±1.489 | 115.528±2.572 |
| MC:N:10000:N:Y:Y:N | 66.792±1.778 | 72.765±1.489 | 66.452±2.662 | 75.289±2.672 | 109.232±1.630 | 125.205±2.577 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 66.701±1.769 | 74.673±1.573 | 66.553±2.685 | 75.403±2.681 | 108.884±1.569 | 113.262±2.561 |
| UCT:N:10000:1:Y:N:0 | 83.328±2.548 | 87.080±1.938 | 72.084±3.463 | 76.734±2.750 | 131.561±3.017 | 127.328±3.377 |
| ldfs | ₁ 72.946±nan | ₁ 79.934±nan | ₁ 79.834±nan | ₁ 91.215±nan | ₁ 115.556±nan | ₁ 132.485±nan |

| solver | ours 11 #02 | ours 11 #03 | ours 11 #04 | ours 11 #05 | ours 11 #06 | ours 11 #07 |
|----------------------------|--------------------------|-------------------------|-------------------------|--------------------------|-------------------------|--------------------------|
| DIJ | 109.290±3.432 | 95.123±3.022 | 90.253±2.443 | 95.894±4.054 | 73.066±3.649 | 93.669±2.805 |
| HOP:N:10000:N:Y:Y:N | 102.529±2.843 | 91.862±2.911 | 83.160±2.164 | 75.256±2.863 | 62.672±2.527 | 91.952±2.554 |
| MC:N:10000:N:Y:Y:N | 102.625±2.855 | 88.746±2.631 | 83.520±2.180 | 80.930±2.910 | 62.944±2.576 | 91.048±2.531 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 102.222±3.001 | 88.760±2.616 | 87.923±2.123 | 75.065±2.869 | 62.919±2.545 | 91.108±2.517 |
| UCT:N:10000:1:Y:N:0 | 107.956±3.057 | 97.702±2.904 | 103.034±2.769 | 78.722±3.099 | 80.737±3.767 | 93.551±2.740 |
| ldfs | ₁ 103.023±nan | ₁ 95.884±nan | ₁ 91.463±nan | ₁ 102.458±nan | ₁ 75.478±nan | ₁ 103.147±nan |

| solver | ours 11 #08 | ours 11 #09 | ours 5 #00 | ours 5 #01 | ours 5 #02 | ours 5 #03 |
|----------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| DIJ | 75.897±3.294 | 86.650±3.270 | 80.996±3.429 | 26.847±1.086 | 64.617±1.429 | 44.169±2.232 |
| HOP:N:10000:N:Y:Y:N | 72.427±2.647 | 86.864±3.284 | 76.761±2.810 | 27.722±1.241 | 53.855±0.633 | 40.873±1.123 |
| MC:N:10000:N:Y:Y:N | 72.259±2.620 | 85.952±3.229 | 76.761±2.810 | 27.722±1.241 | 53.855±0.633 | 41.197±0.573 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 72.084±2.580 | 86.640±3.279 | 76.761±2.810 | 26.815±1.083 | 53.855±0.633 | 41.034±0.634 |
| UCT:N:10000:1:Y:N:0 | 74.263±3.079 | 90.942±3.459 | 76.761±2.810 | 26.815±1.083 | 53.830±0.620 | 40.929±0.697 |
| ldfs | ₁ 91.513±nan | ₁ 112.662±nan | ₁ 79.587±nan | ₁ 30.542±nan | ₁ 56.500±nan | ₁ 42.255±nan |

| solver | ours 5 #04 | ours 5 #05 | ours 5 #06 | ours 5 #07 | ours 5 #08 | ours 5 #09 |
|----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|
| DIJ | 40.377±1.583 | 35.287±1.000 | 44.658±1.236 | 44.677±1.283 | 62.594±3.748 | 48.022±3.051 |
| HOP:N:10000:N:Y:Y:N | 41.050±1.547 | 31.795±0.815 | 44.703±1.241 | 44.677±1.283 | 52.657±2.831 | 46.888±2.993 |
| MC:N:10000:N:Y:Y:N | 40.478±1.559 | 31.795±0.815 | 44.733±1.244 | 44.677±1.283 | 52.657±2.831 | 46.888±2.993 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 40.471±1.558 | 31.807±0.816 | 44.594±1.216 | 44.677±1.283 | 52.657±2.831 | 46.888±2.993 |
| UCT:N:10000:1:Y:N:0 | 40.919±1.572 | 31.795±0.815 | 44.658±1.236 | 44.677±1.283 | 52.657±2.831 | 46.888±2.993 |
| ldfs | ₁ 40.835±nan | ₁ 38.435±nan | ₁ 50.188±nan | ₁ 46.295±nan | ₁ 104.301±nan | ₁ 80.370±nan |

| solver | ours 6 #00 | ours 6 #01 | ours 6 #02 | ours 6 #03 | ours 6 #04 | ours 6 #05 |
|----------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| DIJ | 94.896±3.248 | 48.062±2.225 | 29.514±0.641 | 56.917±2.227 | 79.577±1.544 | 78.926±1.714 |
| HOP:N:10000:N:Y:Y:N | 94.477±3.218 | 47.040±1.942 | 29.579±0.671 | 57.212±1.981 | 80.861±1.158 | 76.495±1.037 |
| MC:N:10000:N:Y:Y:N | 94.477±3.218 | 46.326±1.884 | 29.606±0.686 | 55.937±1.919 | 80.861±1.158 | 79.420±1.441 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 94.796±3.251 | 45.258±2.013 | 29.613±0.680 | 55.977±1.937 | 79.343±1.382 | 76.252±1.388 |
| UCT:N:10000:1:Y:N:0 | 94.504±3.219 | 45.280±2.013 | 29.477±0.619 | 56.098±2.018 | 78.342±1.464 | 75.957±1.320 |
| ldfs | ₁ 107.570±nan | ₁ 49.998±nan | ₁ 31.356±nan | ₁ 62.059±nan | ₁ 81.275±nan | ₁ 72.668±nan |

| solver | ours 6 #06 | ours 6 #07 | ours 6 #08 | ours 6 #09 | ours 7 #00 | ours 7 #01 |
|----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|
| DIJ | 25.682±1.844 | 52.493±0.535 | 56.049±1.521 | 42.907±2.451 | 98.778±3.904 | 35.184±0.953 |
| HOP:N:10000:N:Y:Y:N | 25.420±1.828 | 50.843±0.256 | 56.049±1.521 | 39.513±1.940 | 100.943±2.819 | 34.984±0.888 |
| MC:N:10000:N:Y:Y:N | 25.140±1.787 | 50.843±0.256 | 56.049±1.521 | 39.513±1.940 | 101.896±3.337 | 34.984±0.888 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 25.095±1.780 | 50.843±0.256 | 56.049±1.521 | 39.513±1.940 | 98.287±3.765 | 34.984±0.888 |
| UCT:N:10000:1:Y:N:0 | 25.126±1.787 | 50.841±0.256 | 56.049±1.521 | 39.513±1.940 | 98.874±3.810 | 34.984±0.888 |
| ldfs | ₁ 29.969±nan | ₁ 51.180±nan | ₁ 65.313±nan | ₁ 53.374±nan | ₁ 106.552±nan | ₁ 38.471±nan |

| solver | ours 7 #02 | ours 7 #03 | ours 7 #04 | ours 7 #05 | ours 7 #06 | ours 7 #07 |
|----------------------------|-------------------------|-------------------------|-------------------------|------------------------------|-------------------------|-------------------------|
| DIJ | 89.251±3.566 | 56.732±2.024 | 78.705±2.083 | 100.641±2.161 | 70.212±1.137 | 80.453±2.044 |
| HOP:N:10000:N:Y:Y:N | 86.337±2.731 | 54.693±1.707 | 78.788±2.080 | 107.577±2.233 | 67.541±0.907 | 80.361±2.020 |
| MC:N:10000:N:Y:Y:N | 86.227±2.768 | 55.578±1.765 | 80.973±2.106 | ⁹⁹⁹ 107.717±2.225 | 67.340±0.946 | 81.305±2.004 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 84.095±3.188 | 56.278±1.746 | 79.033±2.074 | 100.361±2.115 | 67.340±0.946 | 80.259±2.025 |
| UCT:N:10000:1:Y:N:0 | 86.218±3.126 | 55.989±1.739 | 80.654±2.098 | 101.526±2.117 | 68.219±0.992 | 82.584±1.960 |
| ldfs | ₁ 92.807±nan | ₁ 53.830±nan | ₁ 80.435±nan | ₁ 127.100±nan | ₁ 72.180±nan | ₁ 83.830±nan |

| solver | ours 7 #08 | ours 7 #09 | ours 8 #00 | ours 8 #01 | ours 8 #02 | ours 8 #03 |
|----------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| DIJ | 35.607±2.278 | 46.405±1.259 | 121.034±3.696 | 72.380±2.610 | 94.187±2.366 | 66.898±2.707 |
| HOP:N:10000:N:Y:Y:N | 34.408±2.122 | 46.408±1.260 | 120.355±2.996 | 53.415±0.980 | 96.276±1.650 | 62.098±2.553 |
| MC:N:10000:N:Y:Y:N | 34.408±2.122 | 46.408±1.260 | 112.426±3.691 | 56.077±0.906 | 91.228±2.101 | 62.877±2.509 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 34.408±2.122 | 46.478±1.255 | 112.460±3.691 | 53.982±1.023 | 91.759±2.184 | 61.550±2.434 |
| UCT:N:10000:1:Y:N:0 | 34.408±2.122 | 49.044±1.091 | 113.382±3.798 | 55.430±0.959 | 96.000±2.077 | 74.391±2.661 |
| ldfs | ₁ 37.315±nan | ₁ 60.603±nan | ₁ 124.343±nan | ₁ 56.957±nan | ₁ 95.226±nan | ₁ 70.995±nan |

| solver | ours 8 #04 | ours 8 #05 | ours 8 #06 | ours 8 #07 | ours 8 #08 | ours 8 #09 |
|----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| DIJ | 76.555±2.039 | 38.202±1.934 | 68.156±3.535 | 83.569±2.878 | 45.899±2.259 | 51.070±1.468 |
| HOP:N:10000:N:Y:Y:N | 75.472±1.924 | 37.579±1.830 | 69.311±3.633 | 76.404±1.703 | 45.768±2.254 | 48.016±1.002 |
| MC:N:10000:N:Y:Y:N | 75.921±1.928 | 37.551±1.827 | 66.969±3.395 | 72.895±1.934 | 45.768±2.254 | 47.986±0.984 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 76.270±1.918 | 37.807±1.866 | 67.195±3.437 | 72.980±1.867 | 45.678±2.231 | 48.001±0.993 |
| UCT:N:10000:1:Y:N:0 | 80.425±1.985 | 38.884±1.942 | 67.309±3.412 | 72.547±1.762 | 47.850±2.257 | 48.774±1.047 |
| ldfs | ₁ 84.111±nan | ₁ 50.758±nan | ₁ 81.171±nan | ₁ 93.398±nan | ₁ 65.467±nan | ₁ 59.251±nan |

| solver | ours 9 #00 | ours 9 #01 | ours 9 #02 | ours 9 #03 | ours 9 #04 | ours 9 #05 |
|----------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|
| DIJ | 110.091±2.577 | 57.964±2.962 | 103.962±3.050 | 54.569±1.543 | 64.392±2.327 | 117.941±3.583 |
| HOP:N:10000:N:Y:Y:N | 92.588±2.057 | 54.821±2.475 | 104.020±2.792 | 53.395±1.510 | 66.132±2.527 | 102.194±2.198 |
| MC:N:10000:N:Y:Y:N | 92.931±2.100 | 56.834±2.721 | 101.761±2.636 | 53.393±1.516 | 64.590±2.438 | 111.995±2.627 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 93.008±2.101 | 54.514±2.472 | 101.310±2.710 | 53.505±1.508 | 63.886±2.317 | 108.315±2.356 |
| UCT:N:10000:1:Y:N:0 | 96.431±2.331 | 59.702±2.607 | 103.263±2.687 | 59.795±1.370 | 64.959±2.429 | 107.628±2.411 |
| ldfs | ₁ 110.889±nan | ₁ 61.843±nan | ₁ 114.987±nan | ₁ 53.857±nan | ₁ 76.579±nan | ₁ 121.039±nan |

| solver | ours 9 #06 | ours 9 #07 | ours 9 #08 | ours 9 #09 |
|----------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|
| DIJ | 108.258±4.347 | 38.295±1.669 | 63.909±3.500 | 46.992±1.498 |
| HOP:N:10000:N:Y:Y:N | 52.681±1.552 | 38.186±1.675 | 62.024±3.140 | 47.007±1.501 |
| MC:N:10000:N:Y:Y:N | 53.264±1.730 | ⁹⁹⁹ 38.213±1.679 | 61.773±3.112 | 47.007±1.501 |
| UCT:N:10000:0.1:Y:Y:3:20:Y | 52.634±1.531 | 38.100±1.667 | 61.746±3.185 | 46.992±1.498 |
| UCT:N:10000:1:Y:N:0 | 55.385±1.985 | 39.036±1.766 | 66.221±3.653 | 47.754±1.565 |
| ldfs | ₁ 64.975±nan | ₁ 48.297±nan | ₁ 87.405±nan | ₁ 69.739±nan |