New Experiments

June 6, 2018

.5/.7 Instance

plots plots

Vary Warm Start + Effective end of game

Here we vary

Results for Needle In Haystack - 0.5 HardMax K=10

	WS = 1	WS = 5	WS = 10	WS = 15	WS = 20	WS = 50	WS = 100
TS vs DG	**0.54** (0.02) eeog avg: 49 med: 0	**0.62** (0.02) eeog avg: 140 med: 1	**0.64** (0.02) eeog avg: 180 med: 7	**0.66** (0.02) eeog avg: 190 med: 15	**0.64** (0.02) eeog avg: 210 med: 24	**0.64** (0.02) eeog avg: 240 med: 62.5	**0.61** (0.02) eeog avg: 250 med: 26
TS vs DEG	**0.53** (0.03) eeog avg: 37 med: 0	**0.58** (0.02) eeog avg: 80 med: 0	**0.59** (0.02) eeog avg: 100 med: 0	**0.61** (0.02) eeog avg: 130 med: 4	**0.6** (0.02) eeog avg: 150 med: 10	**0.58** (0.02) eeog avg: 180 med: 31	**0.53** (0.02) eeog avg: 240 med: 17
DG vs DEG	**0.5** (0.02) eeog avg: 130 med: 3	**0.47** (0.02) eeog avg: 240 med: 10	**0.47** (0.02) eeog avg: 300 med: 47	**0.44** (0.02) eeog avg: 300 med: 61	**0.46** (0.02) eeog avg: 350 med: 114	**0.44** (0.02) eeog avg: 470 med: 194	**0.45** (0.02) eeog avg: 570 med: 303.5

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Results for Heavy Tail HardMax K=10

	WS = 1	WS = 5	WS = 10	WS = 15	WS = 20	WS = 50	WS = 100
TS vs DG	**0.46** (0.03) eeog avg: 11 med: 0	**0.37** (0.02) eeog avg: 40 med: 0	**0.32** (0.02) eeog avg: 44 med: 0	**0.31** (0.02) eeog avg: 53 med: 0	**0.33** (0.02) eeog avg: 57 med: 0	**0.43** (0.02) eeog avg: 85 med: 0	**0.51** (0.02) eeog avg: 120 med: 0
TS vs DEG	**0.45** (0.03) eeog avg: 6.2 med: 0	**0.35** (0.02) eeog avg: 12 med: 0	**0.32** (0.02) eeog avg: 23 med: 0	**0.3** (0.02) eeog avg: 23 med: 0	**0.32** (0.02) eeog avg: 44 med: 0	**0.44** (0.02) eeog avg: 83 med: 0	**0.6** (0.02) eeog avg: 170 med: 0
DG vs DEG	**0.53** (0.02) eeog avg: 130 med: 2	**0.56** (0.02) eeog avg: 200 med: 1	**0.57** (0.02) eeog avg: 270 med: 2	**0.61** (0.02) eeog avg: 330 med: 3	**0.6** (0.02) eeog avg: 400 med: 7	**0.64** (0.02) eeog avg: 540 med: 181.5	**0.62** (0.02) eeog avg: 650 med: 390

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Results for Uniform HardMax K=10

	WS = 1	WS = 5	WS = 10	WS = 15	WS = 20	WS = 50	WS = 100
TS vs DG	**0.5** (0.03) eeog avg: 48 med: 0	**0.47** (0.02) eeog avg: 120 med: 0	**0.45** (0.02) eeog avg: 180 med: 0	**0.44** (0.02) eeog avg: 220 med: 0	**0.42** (0.02) eeog avg: 270 med: 0	**0.4** (0.02) eeog avg: 410 med: 26.5	**0.42** (0.02) eeog avg: 550 med: 260
TS vs DEG	**0.48** (0.03) eeog avg: 33 med: 0	**0.46** (0.02) eeog avg: 94 med: 0	**0.44** (0.02) eeog avg: 140 med: 0	**0.41** (0.02) eeog avg: 170 med: 0	**0.43** (0.02) eeog avg: 220 med: 0	**0.38** (0.02) eeog avg: 390 med: 11.5	**0.39** (0.02) eeog avg: 530 med: 239
DG vs DEG	**0.48** (0.02) eeog avg: 120 med: 2	**0.49** (0.02) eeog avg: 270 med: 7	**0.5** (0.02) eeog avg: 390 med: 15	**0.5** (0.02) eeog avg: 450 med: 27	**0.5** (0.02) eeog avg: 500 med: 72.5	**0.51** (0.02) eeog avg: 720 med: 584.5	**0.5** (0.02) eeog avg: 890 med: 915.5

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Various Needles in a Haystack

Results for Needle In Haystack - 0.7 HardMax K=10

	WS = 1	WS = 5	WS = 10	WS = 15	WS = 20	WS = 50	WS = 100
TS vs DG	**0.58** (0.02) eeog avg: 50 med: 1	**0.66** (0.02) eeog avg: 170 med: 4	**0.75** (0.02) eeog avg: 170 med: 9	**0.79** (0.02) eeog avg: 170 med: 9	**0.82** (0.02) eeog avg: 190 med: 9.5	**0.93** (0.01) eeog avg: 120 med: 0	**0.96** (0.007) eeog avg: 75 med: 0
TS vs DEG	**0.56** (0.02) eeog avg: 32 med: 1	**0.63** (0.02) eeog avg: 74 med: 1	**0.67** (0.02) eeog avg: 79 med: 1.5	**0.73** (0.02) eeog avg: 93 med: 2	**0.73** (0.02) eeog avg: 93 med: 2	**0.83** (0.02) eeog avg: 86 med: 0	**0.81** (0.02) eeog avg: 82 med: 0
DG vs DEG	**0.46** (0.02) eeog avg: 160 med: 2	**0.44** (0.02) eeog avg: 390 med: 39	**0.42** (0.02) eeog avg: 500 med: 244	**0.37** (0.02) eeog avg: 530 med: 279.5	**0.36** (0.02) eeog avg: 560 med: 335.5	**0.34** (0.02) eeog avg: 660 med: 495	**0.29** (0.02) eeog avg: 650 med: 464

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Results for Needle In Haystack - 0.5 HardMax K=10

	WS = 1	WS = 5	WS = 10	WS = 15	WS = 20	WS = 50	WS = 100
TS vs DG	**0.55** (0.02) eeog avg: 50 med: 0	**0.62** (0.02) eeog avg: 130 med: 1	**0.63** (0.02) eeog avg: 170 med: 5	**0.66** (0.02) eeog avg: 180 med: 11	**0.64** (0.02) eeog avg: 200 med: 26	**0.63** (0.02) eeog avg: 220 med: 64	**0.61** (0.02) eeog avg: 240 med: 29
TS vs DEG	**0.53** (0.03) eeog avg: 33 med: 0	**0.56** (0.02) eeog avg: 76 med: 0	**0.59** (0.02) eeog avg: 120 med: 1	**0.6** (0.02) eeog avg: 130 med: 7	**0.6** (0.02) eeog avg: 140 med: 7	**0.56** (0.02) eeog avg: 200 med: 18.5	**0.53** (0.02) eeog avg: 230 med: 15
DG vs DEG	**0.49** (0.02) eeog avg: 100 med: 3	**0.44** (0.02) eeog avg: 240 med: 12	**0.47** (0.02) eeog avg: 290 med: 36	**0.45** (0.02) eeog avg: 340 med: 89	**0.45** (0.02) eeog avg: 360 med: 130.5	**0.44** (0.02) eeog avg: 470 med: 174	**0.44** (0.02) eeog avg: 540 med: 235.5

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Results for Needle In Haystack - 0.3 HardMax K=10

	WS = 1	WS = 5	WS = 10	WS = 15	WS = 20	WS = 50	WS = 100
TS vs DG	**0.53** (0.03) eeog avg: 22 med: 0	**0.56** (0.02) eeog avg: 110 med: 0	**0.49** (0.02) eeog avg: 120 med: 2	**0.49** (0.02) eeog avg: 170 med: 1	**0.5** (0.02) eeog avg: 210 med: 8	**0.45** (0.02) eeog avg: 240 med: 13.5	**0.45** (0.02) eeog avg: 250 med: 4.5
TS vs DEG	**0.54** (0.03) eeog avg: 21 med: 0	**0.53** (0.02) eeog avg: 77 med: 0	**0.48** (0.02) eeog avg: 90 med: 1	**0.48** (0.02) eeog avg: 140 med: 2.5	**0.49** (0.02) eeog avg: 170 med: 2.5	**0.43** (0.02) eeog avg: 220 med: 15	**0.41** (0.02) eeog avg: 280 med: 17
DG vs DEG	**0.47** (0.02) eeog avg: 62 med: 2	**0.5** (0.02) eeog avg: 150 med: 6	**0.47** (0.02) eeog avg: 170 med: 9	**0.5** (0.02) eeog avg: 300 med: 27	**0.5** (0.02) eeog avg: 380 med: 65	**0.5** (0.02) eeog avg: 460 med: 152.5	**0.5** (0.02) eeog avg: 570 med: 197

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Results for Needle In Haystack - 0.1 HardMax K=10

	WS = 1	WS = 5	WS = 10	WS = 15	WS = 20	WS = 50	WS = 100
TS vs DG	**0.53** (0.03) eeog avg: 10 med: 3	**0.53** (0.03) eeog avg: 26 med: 0	**0.47** (0.02) eeog avg: 60 med: 0	**0.48** (0.02) eeog avg: 75 med: 0	**0.46** (0.02) eeog avg: 69 med: 0	**0.37** (0.02) eeog avg: 110 med: 0	**0.28** (0.02) eeog avg: 130 med: 0
TS vs DEG	**0.52** (0.03) eeog avg: 8.5 med: 3	**0.53** (0.03) eeog avg: 30 med: 0	**0.47** (0.02) eeog avg: 56 med: 0	**0.48** (0.02) eeog avg: 62 med: 0	**0.43** (0.02) eeog avg: 81 med: 0	**0.37** (0.02) eeog avg: 120 med: 0	**0.31** (0.02) eeog avg: 170 med: 0
DG vs DEG	**0.49** (0.03) eeog avg: 23 med: 5	**0.49** (0.02) eeog avg: 46 med: 5	**0.52** (0.02) eeog avg: 120 med: 14.5	**0.52** (0.02) eeog avg: 140 med: 12	**0.5** (0.02) eeog avg: 150 med: 11	**0.51** (0.02) eeog avg: 280 med: 9	**0.53** (0.02) eeog avg: 460 med: 12.5

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