

## 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	<b>0.54</b> (0.02) <u>eeog</u> avg: 49 med: 0	<b>0.62</b> (0.02) <u>eeog</u> avg: 140 med: 1	<b>0.64</b> (0.02) <u>eeog</u> avg: 180 med: 7	<b>0.66</b> (0.02) <u>eeog</u> avg: 190 med: 15	<b>0.64</b> (0.02) <u>eeog</u> avg: 210 med: 24	<b>0.64</b> (0.02) <u>eeog</u> avg: 240 med: 62.5	<b>0.61</b> (0.02) <u>eeog</u> avg: 250 med: 26
TS vs DEG	<b>0.53</b> (0.03) <u>eeog</u> avg: 37 med: 0	<b>0.58</b> (0.02) <u>eeog</u> avg: 80 med: 0	<b>0.59</b> (0.02) <u>eeog</u> avg: 100 med: 0	<b>0.61</b> (0.02) <u>eeog</u> avg: 130 med: 4	<b>0.6</b> (0.02) <u>eeog</u> avg: 150 med: 10	<b>0.58</b> (0.02) <u>eeog</u> avg: 180 med: 31	<b>0.53</b> (0.02) <u>eeog</u> avg: 240 med: 17
DG vs DEG	<b>0.5</b> (0.02) <u>eeog</u> avg: 130 med: 3	<b>0.47</b> (0.02) <u>eeog</u> avg: 240 med: 10	<b>0.47</b> (0.02) <u>eeog</u> avg: 300 med: 47	<b>0.44</b> (0.02) <u>eeog</u> avg: 300 med: 61	<b>0.46</b> (0.02) <u>eeog</u> avg: 350 med: 114	<b>0.44</b> (0.02) <u>eeog</u> avg: 470 med: 194	<b>0.45</b> (0.02) <u>eeog</u> 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	<b>0.46</b> (0.03) <u>eeog</u> avg: 11 med: 0	<b>0.37</b> (0.02) <u>eeog</u> avg: 40 med: 0	<b>0.32</b> (0.02) <u>eeog</u> avg: 44 med: 0	<b>0.31</b> (0.02) <u>eeog</u> avg: 53 med: 0	<b>0.33</b> (0.02) <u>eeog</u> avg: 57 med: 0	<b>0.43</b> (0.02) <u>eeog</u> avg: 85 med: 0	<b>0.51</b> (0.02) <u>eeog</u> avg: 120 med: 0
TS vs DEG	<b>0.45</b> (0.03) <u>eeog</u> avg: 6.2 med: 0	<b>0.35</b> (0.02) <u>eeog</u> avg: 12 med: 0	<b>0.32</b> (0.02) <u>eeog</u> avg: 23 med: 0	<b>0.3</b> (0.02) <u>eeog</u> avg: 23 med: 0	<b>0.32</b> (0.02) <u>eeog</u> avg: 44 med: 0	<b>0.44</b> (0.02) <u>eeog</u> avg: 83 med: 0	<b>0.6</b> (0.02) <u>eeog</u> avg: 170 med: 0
DG vs DEG	<b>0.53</b> (0.02) <u>eeog</u> avg: 130 med: 2	<b>0.56</b> (0.02) <u>eeog</u> avg: 200 med: 1	<b>0.57</b> (0.02) <u>eeog</u> avg: 270 med: 2	<b>0.61</b> (0.02) <u>eeog</u> avg: 330 med: 3	<b>0.6</b> (0.02) <u>eeog</u> avg: 400 med: 7	<b>0.64</b> (0.02) <u>eeog</u> avg: 540 med: 181.5	<b>0.62</b> (0.02) <u>eeog</u> avg: 650 med: 390

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## Results for Uniform HardMax K=10

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

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## Results for .5/.7 Random Draw HardMax K=10

	<b>WS = 1</b>	<b>WS = 5</b>	<b>WS = 10</b>	<b>WS = 15</b>	<b>WS = 20</b>	<b>WS = 50</b>	<b>WS = 100</b>
TS vs DG	<b>0.52</b> (0.06) <u>eeog</u> avg: 600 med: 0	<b>0.52</b> (0.05) <u>eeog</u> avg: 1500 med: 3.5	<b>0.45</b> (0.05) <u>eeog</u> avg: 2200 med: 5	<b>0.46</b> (0.05) <u>eeog</u> avg: 3000 med: 26.5	<b>0.5</b> (0.05) <u>eeog</u> avg: 3800 med: 1021	<b>0.44</b> (0.05) <u>eeog</u> avg: 5700 med: 5800.5	<b>0.4</b> (0.04) <u>eeog</u> avg: 7100 med: 7655.5
TS vs DEG	<b>0.53</b> (0.06) <u>eeog</u> avg: 570 med: 0	<b>0.49</b> (0.06) <u>eeog</u> avg: 1700 med: 3	<b>0.42</b> (0.05) <u>eeog</u> avg: 2500 med: 3	<b>0.46</b> (0.05) <u>eeog</u> avg: 3100 med: 26	<b>0.45</b> (0.05) <u>eeog</u> avg: 4400 med: 1440.5	<b>0.42</b> (0.05) <u>eeog</u> avg: 5900 med: 5360	<b>0.43</b> (0.04) <u>eeog</u> avg: 7100 med: 7606.5
DG vs DEG	<b>0.47</b> (0.05) <u>eeog</u> avg: 990 med: 2	<b>0.48</b> (0.05) <u>eeog</u> avg: 3000 med: 67	<b>0.47</b> (0.05) <u>eeog</u> avg: 4000 med: 246.5	<b>0.46</b> (0.05) <u>eeog</u> avg: 4700 med: 1648	<b>0.52</b> (0.05) <u>eeog</u> avg: 4600 med: 2472.5	<b>0.52</b> (0.04) <u>eeog</u> avg: 6600 med: 7155	<b>0.49</b> (0.04) <u>eeog</u> avg: 7800 med: 9041