## 1 makespan ratio

Problem set	c	Random	Surroundings		Longest first	Forwards looking		king
		R	N-LF	$_{ m LF}$	R	N-LF	$\mathbf{R}$	$_{ m LF}$
Berlin	30	2.06%	1.27%	2.05%	0.01%	0.94%	1.14%	0.57%
	50	1.93%	1.00%	1.70%	0.02%	0.77%	1.29%	0.51%
	70	1.77%	1.00%	1.69%	0.01%	0.77%	1.03%	0.51%
problems/clutt	30	2.08%	3.13%	2.03%	0.39%	1.77%	1.14%	0.62%
	50	2.79%	3.27%	1.97%	0.62%	2.48%	1.26%	0.71%
	70	2.51%	3.27%	1.97%	0.62%	2.48%	1.05%	0.71%
problems/cross	. 30	8.89%	7.23%	3.66%	2.59%	5.83%	5.20%	3.03%
	50	8.25%	8.15%	3.48%	3.92%	7.49%	4.19%	3.45%
	70	10.53%	8.15%	$\boldsymbol{3.39\%}$	3.95%	7.49%	4.57%	3.54%
Corridor	30	2.27%	1.31%	0.32%	0.12%	1.95%	2.03%	0.66%
	50	1.86%	1.38%	0.29%	0.14%	1.93%	1.92%	0.84%
	70	2.11%	1.38%	0.29%	0.14%	1.93%	2.03%	0.84%
problems/tunn	130	7.63%	3.52%	2.41%	1.56%	9.65%	7.14%	3.54%
	50	9.47%	6.99%	2.79%	$\boldsymbol{2.49\%}$	11.20%	7.27%	4.94%
	70	9.53%	6.97%	2.83%	2.56%	11.14%	6.34%	4.94%

## 2 flowtime ratio

Problem set	c	Random	Surroundings		Longest first	Forwards looking		king
		R	N-LF	$_{ m LF}$	R	N-LF	$\mathbf{R}$	LF
Berlin	30	2.61%	2.56%	2.35%	2.93%	2.70%	2.28%	2.37%
	50	2.40%	2.68%	$\boldsymbol{2.22\%}$	2.86%	2.61%	2.25%	2.32%
	70	2.50%	2.68%	$\boldsymbol{2.22\%}$	2.81%	2.65%	2.31%	2.32%
problems/clutt	30	2.57%	3.40%	2.12%	3.16%	3.16%	2.33%	2.34%
	50	2.80%	3.34%	$\boldsymbol{2.07\%}$	3.28%	2.91%	2.22%	2.16%
	70	2.75%	3.34%	$\boldsymbol{2.07\%}$	3.31%	2.91%	2.17%	2.16%
problems/cross	. 30	5.90%	6.00%	4.46%	5.73%	5.36%	4.95%	5.12%
	50	5.52%	6.05%	$\boldsymbol{4.34\%}$	6.34%	5.67%	4.69%	5.06%
	70	5.83%	6.08%	$\boldsymbol{4.33\%}$	6.32%	5.69%	4.76%	5.06%
Corridor	30	2.56%	2.61%	2.43%	2.65%	2.53%	2.21%	2.26%
	50	2.31%	2.47%	2.38%	2.56%	2.37%	$\boldsymbol{2.09\%}$	2.16%
	70	2.41%	2.48%	2.38%	2.56%	2.37%	$\boldsymbol{2.08\%}$	2.15%
problems/tunn	130	6.00%	5.92%	5.22%	5.63%	6.83%	6.07%	5.41%
	50	6.28%	6.63%	5.87%	6.10%	6.97%	6.03%	5.69%
	70	6.50%	6.63%	5.93%	6.12%	6.97%	5.87%	5.69%

## 3 success

Problem set	c	Random	Surroundings		Longest first	Forwards looking		
		R	N-LF	$\operatorname{LF}$	R	N-LF	$\mathbf{R}$	$_{ m LF}$
Berlin	30	87.00%	90.00%	95.50%	95.00%	94.00%	97.50%	96.50%
	50	97.50%	97.50%	$\boldsymbol{97.00\%}$	97.50%	98.00%	98.50%	98.50%
	70	97.50%	97.50%	$\boldsymbol{97.00\%}$	97.50%	98.00%	98.50%	98.50%
problems/clutte	30	49.50%	61.00%	88.50%	79.50%	83.00%	90.00%	87.50%
	50	93.50%	91.00%	96.00%	92.00%	94.00%	93.50%	93.50%
	70	93.50%	91.00%	96.00%	92.00%	94.00%	93.50%	93.50%
problems/cross	. 30	61.50%	65.00%	92.00%	80.50%	81.50%	94.00%	90.50%
	50	93.50%	90.00%	94.50%	91.50%	92.50%	94.50%	95.50%
	70	92.50%	90.00%	94.00%	92.00%	92.50%	95.50%	96.00%
Corridor	30	92.00%	96.50%	99.00%	99.50%	93.50%	97.00%	97.50%
	50	100.00%	100.00%	100.00%	100.00%	99.50%	100.00%	100.00%
	70	99.00%	100.00%	100.00%	100.00%	99.50%	100.00%	100.00%
problems/tunn	130	47.00%	57.50%	74.00%	80.50%	76.50%	90.00%	84.50%
	50	95.50%	92.50%	95.50%	95.00%	91.50%	97.00%	97.00%
	70	93.50%	92.50%	95.50%	95.00%	91.50%	96.00%	97.00%