

On the greedy cleaning problem

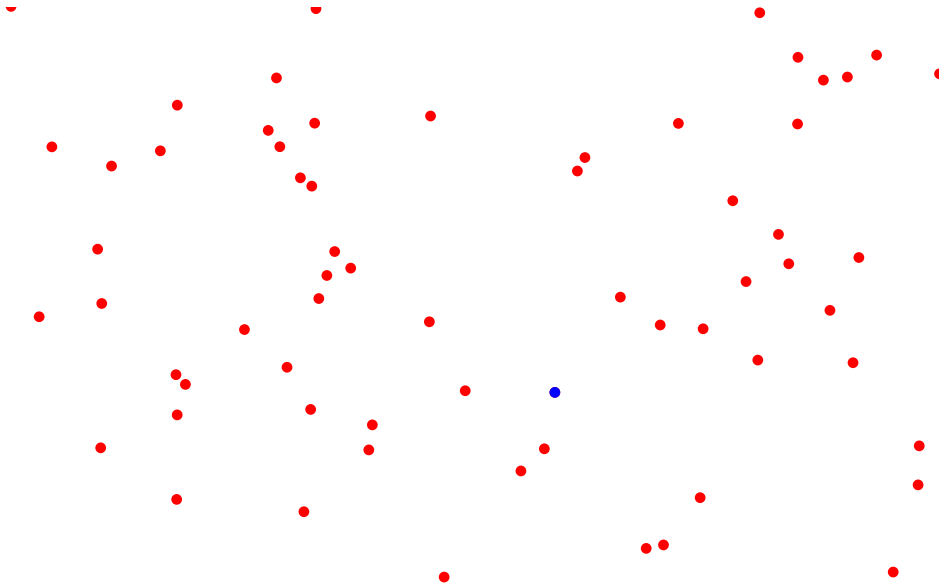
Laurent Tournier
(LAGA, Université Paris 13)

Joint work with Vidas Sidoravicius and Leonardo Rolla (IMPA)

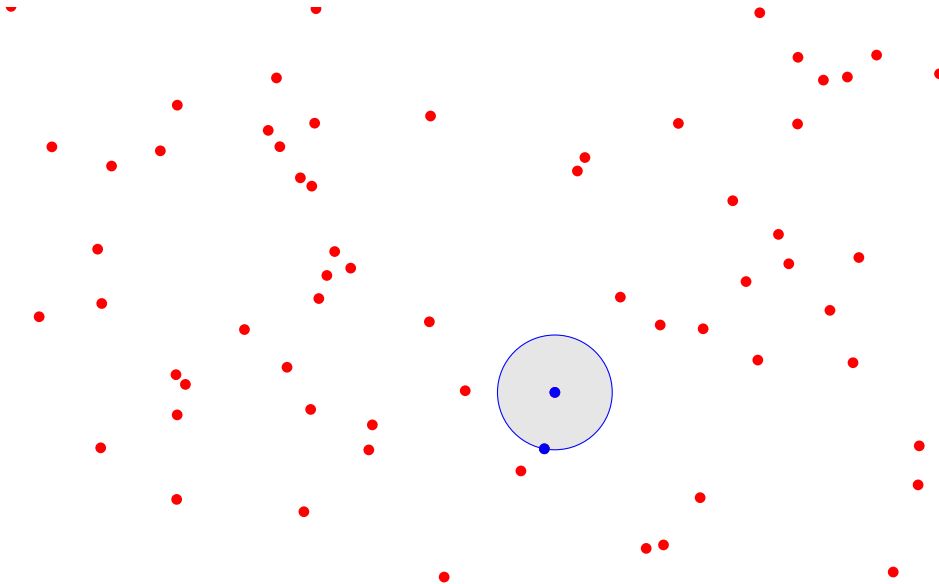
Probability seminar, Weizmann Institute
July 3, 2013



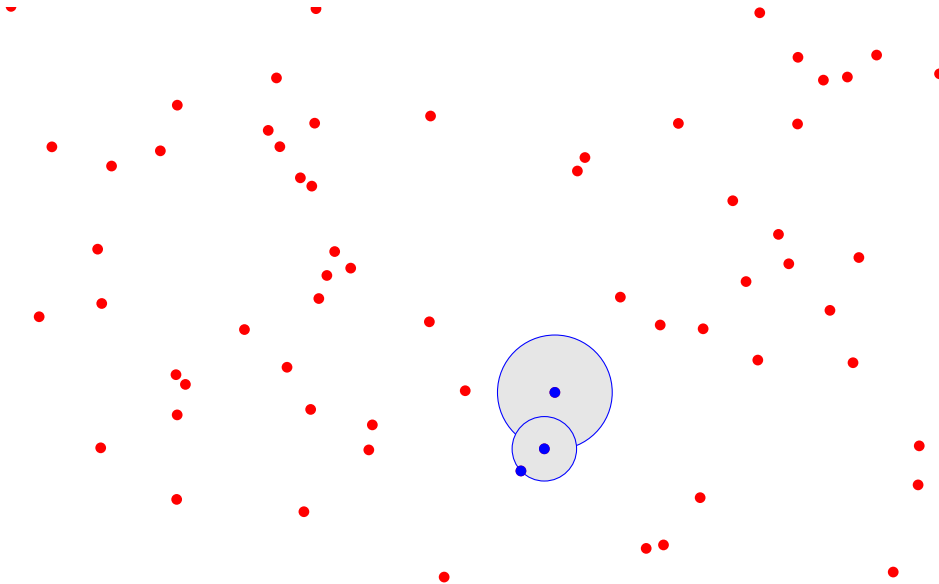
Greedy cleaner on \mathbb{R}^2



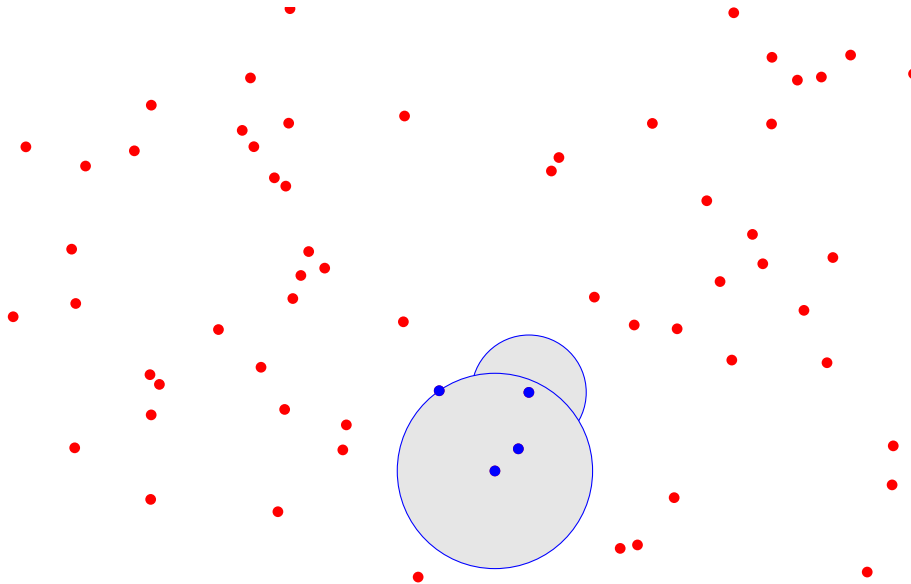
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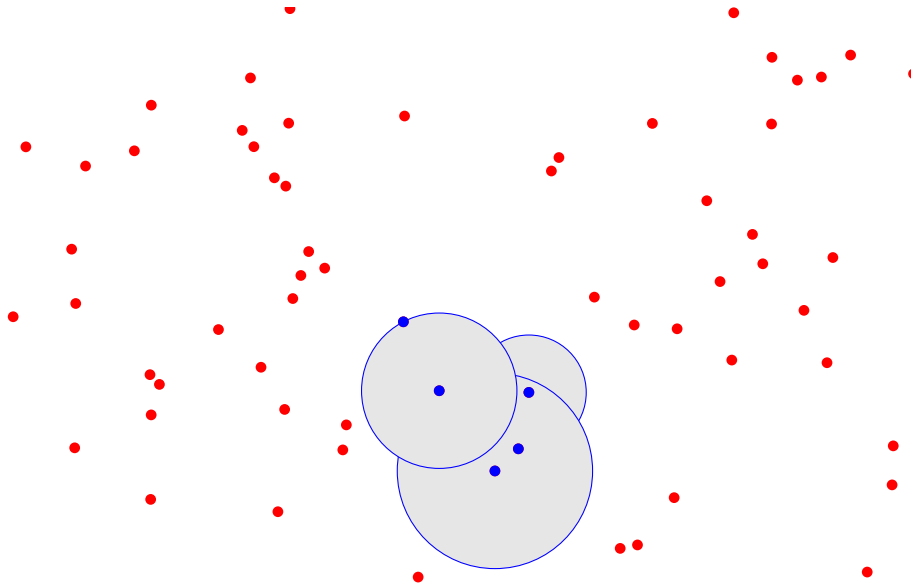
Greedy cleaner on \mathbb{R}^2



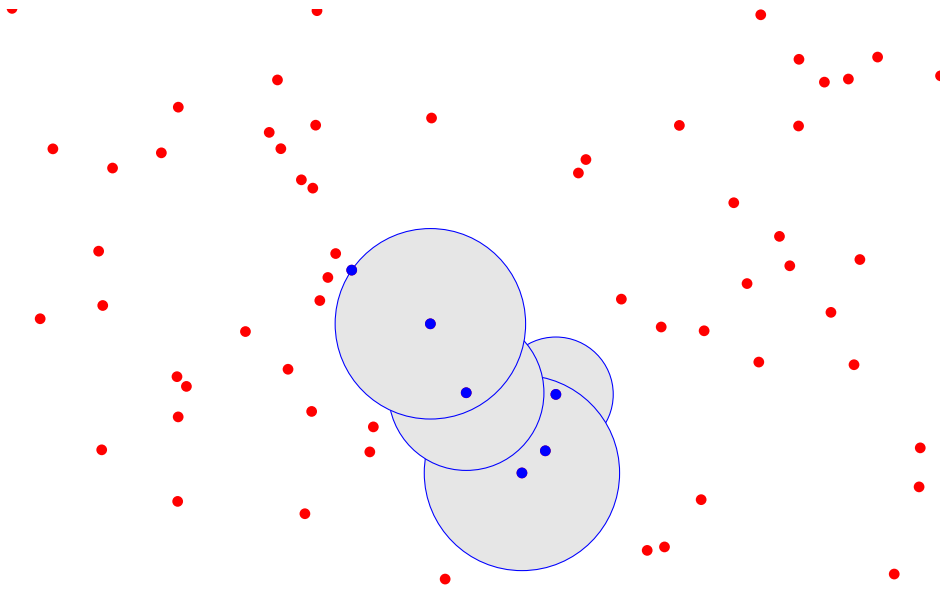
Greedy cleaner on \mathbb{R}^2



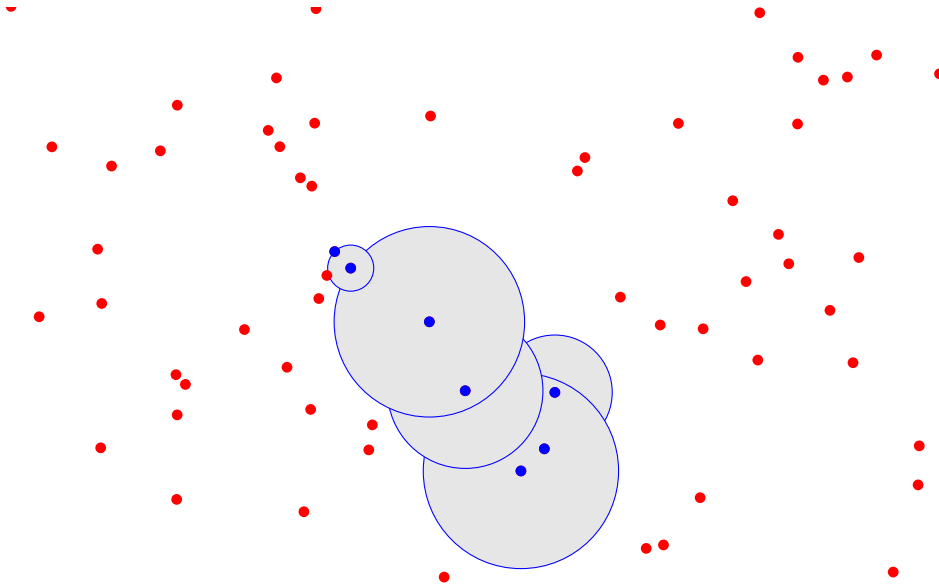
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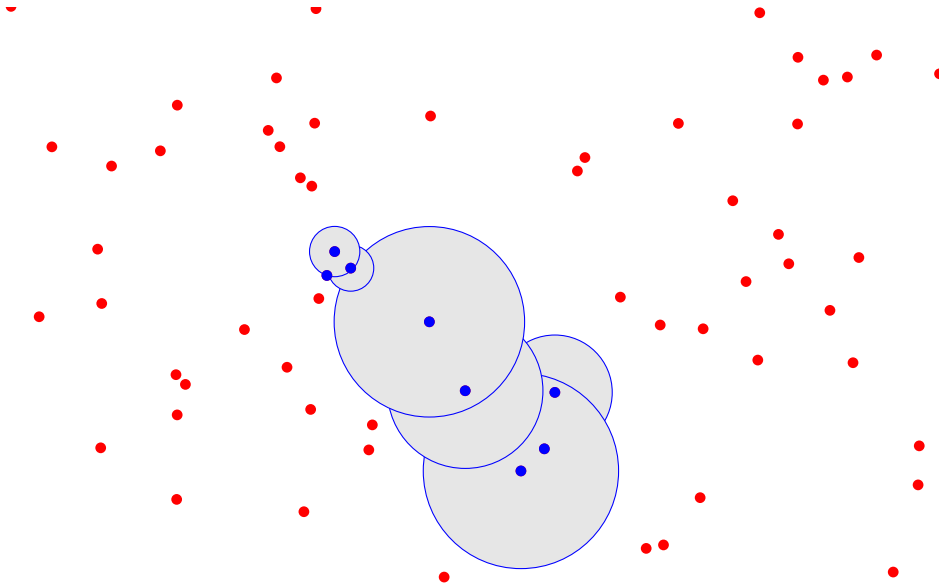
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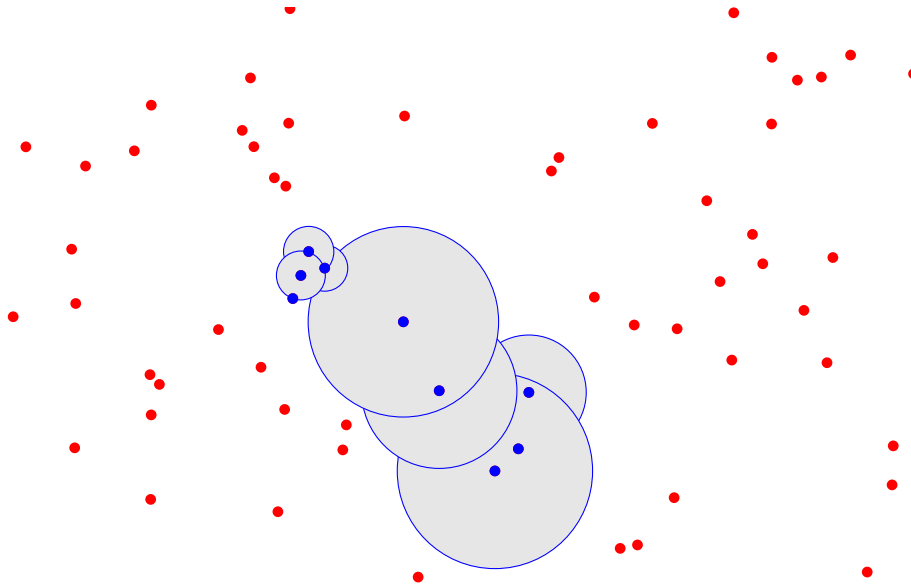
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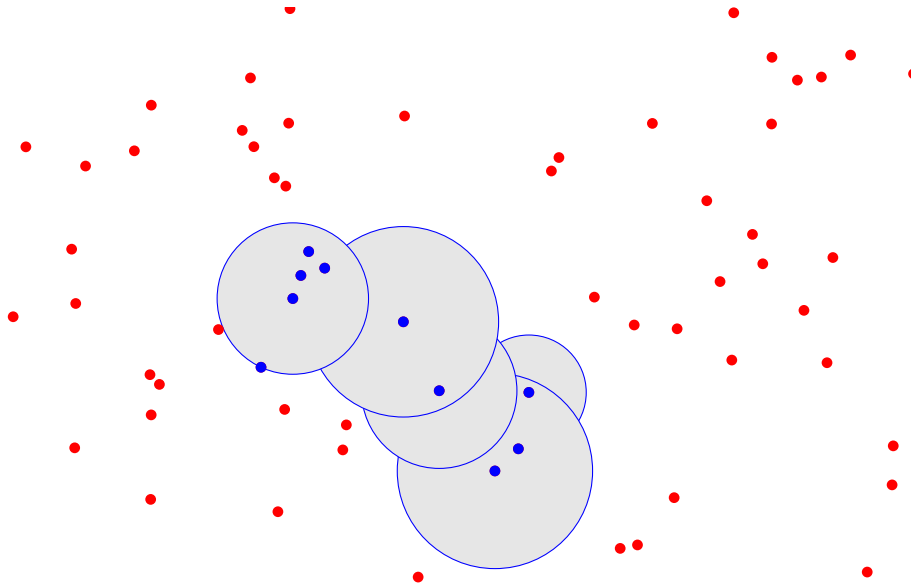
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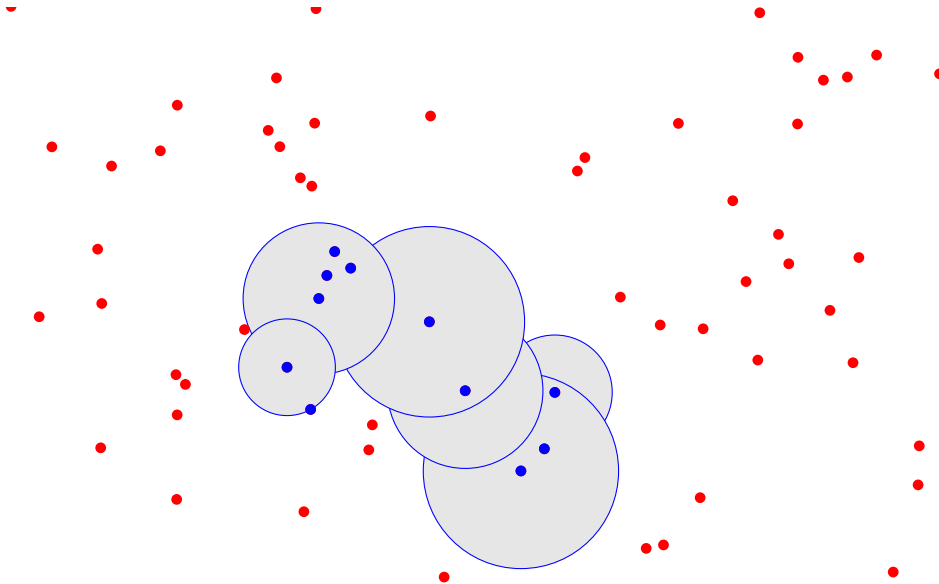
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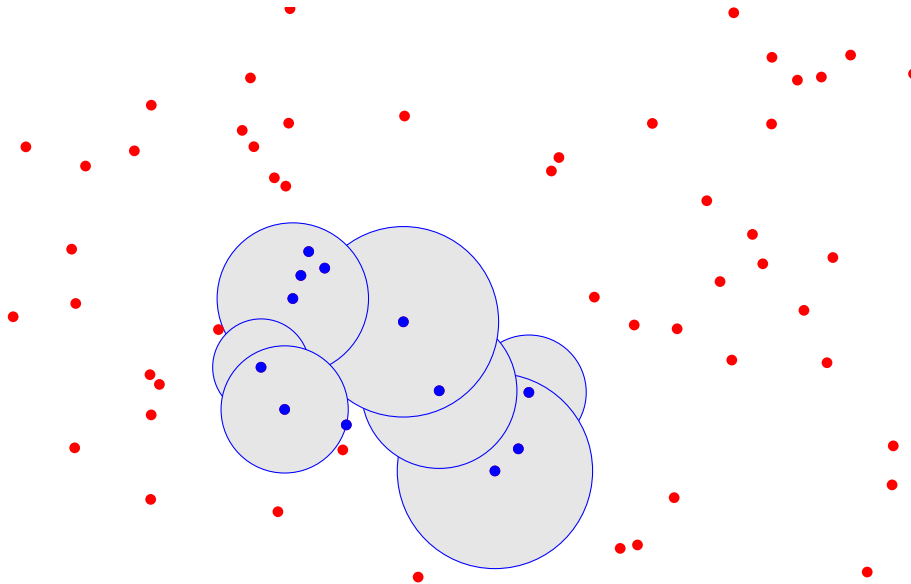
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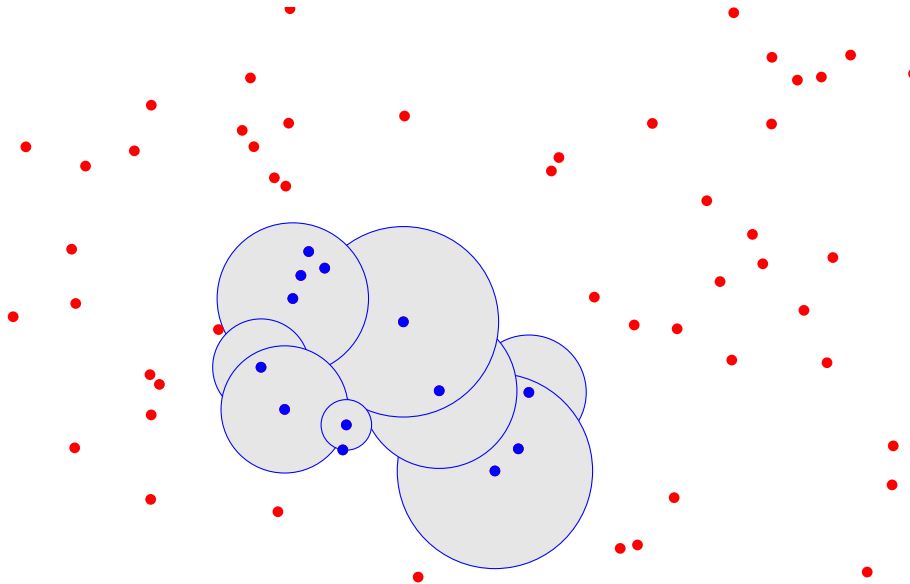
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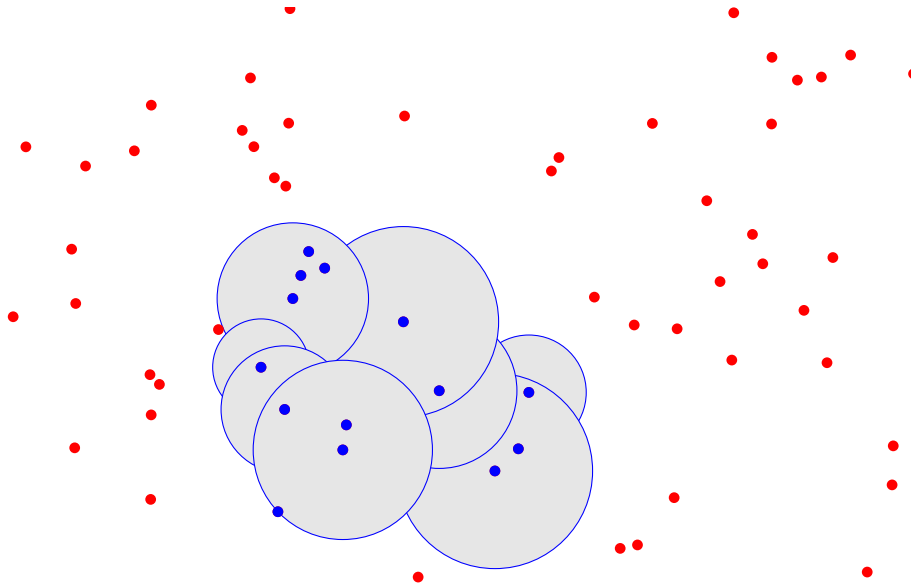
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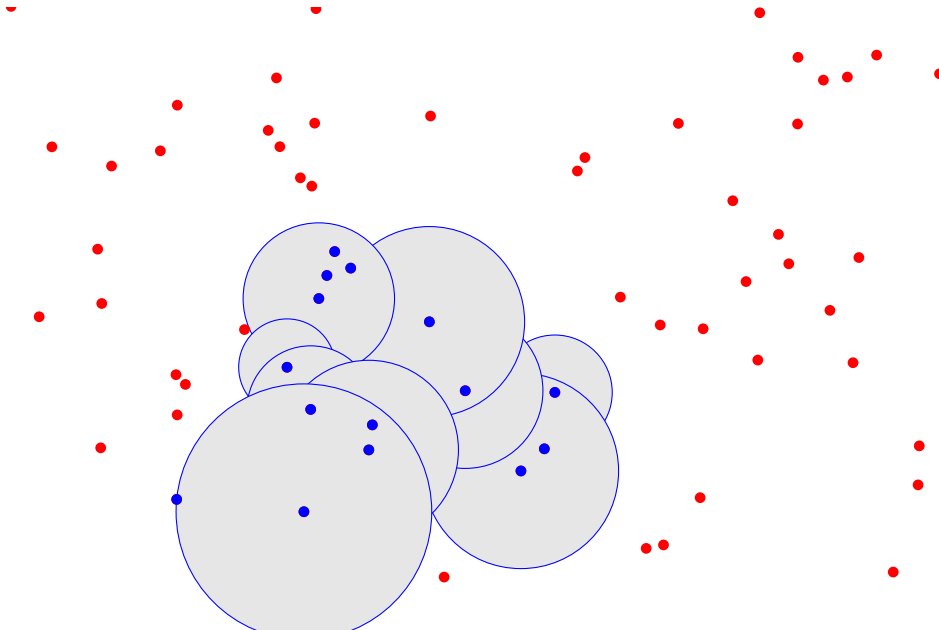
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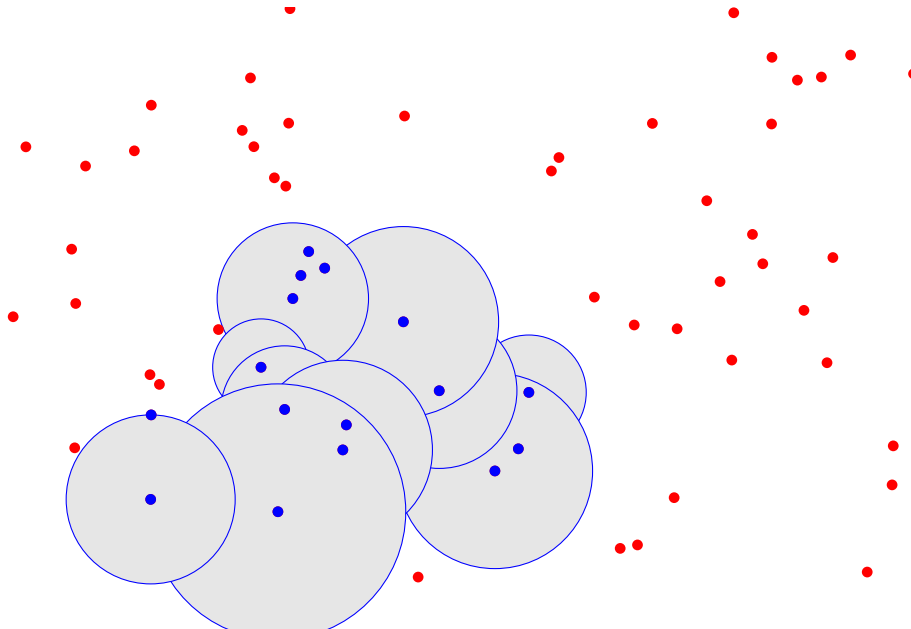
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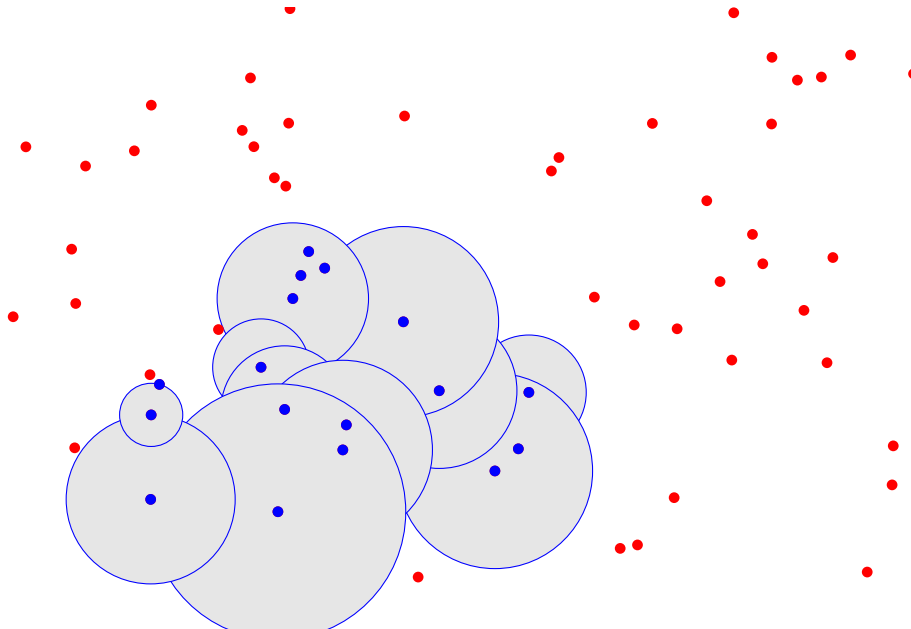
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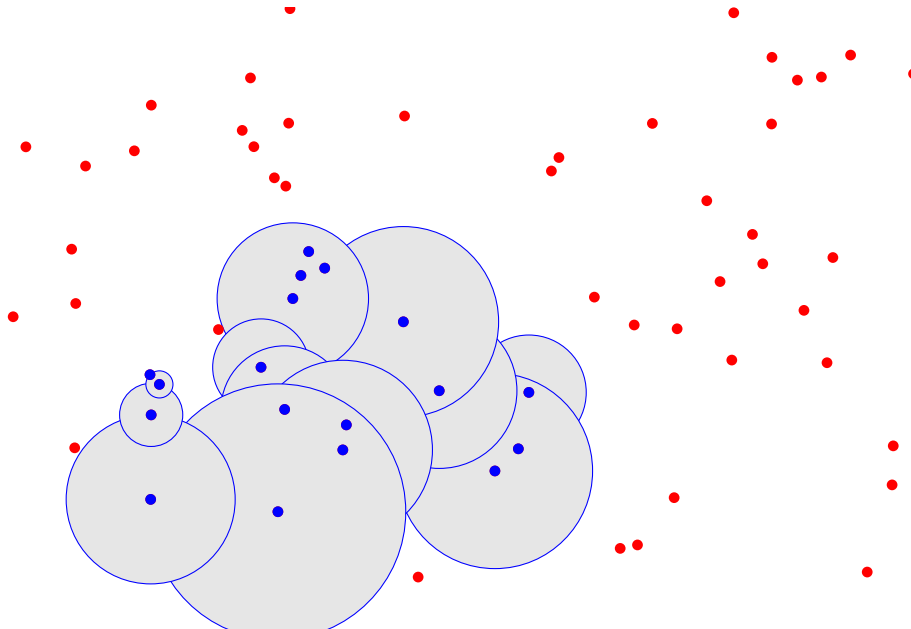
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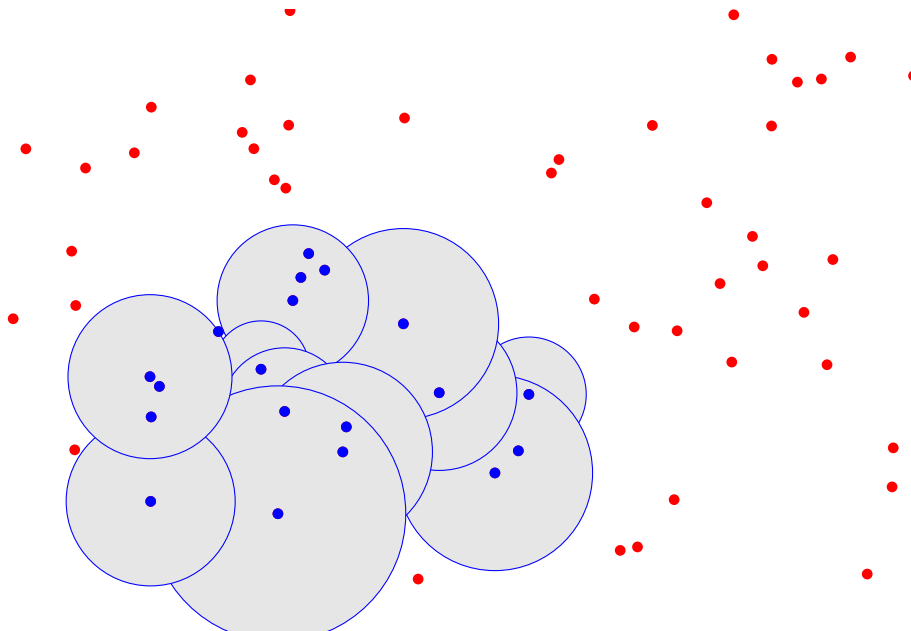
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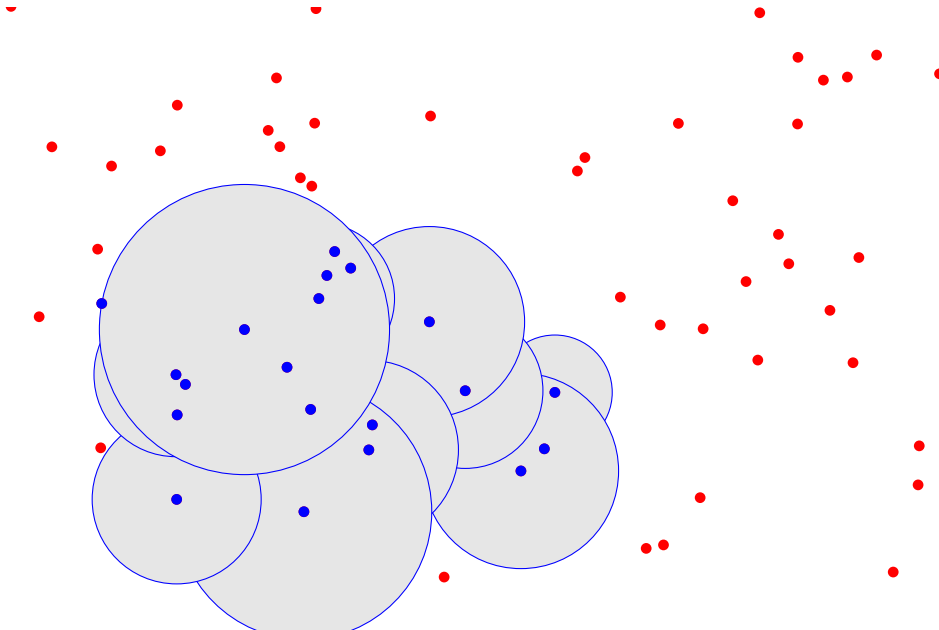
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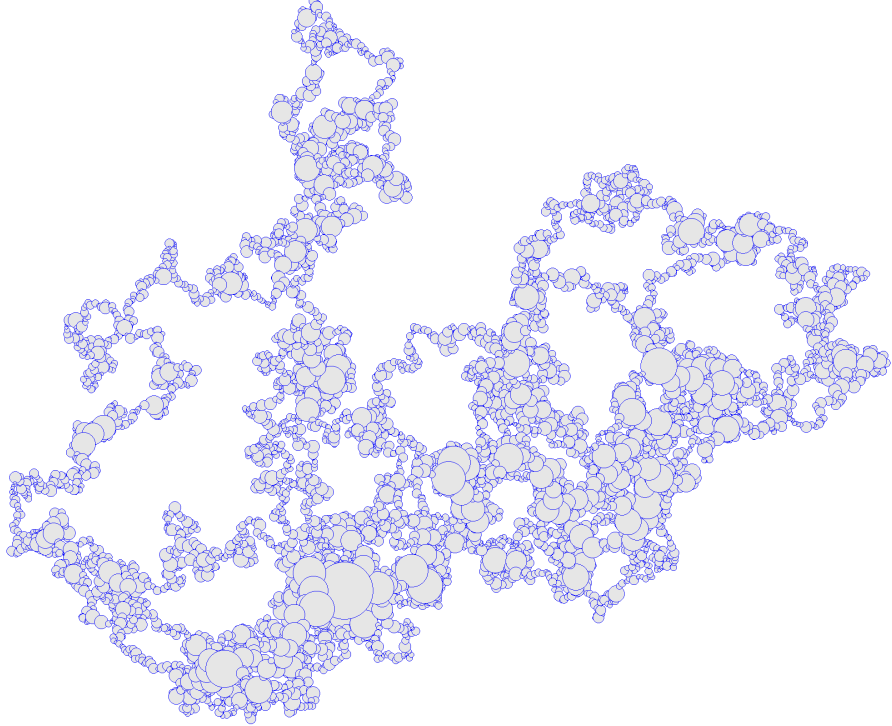


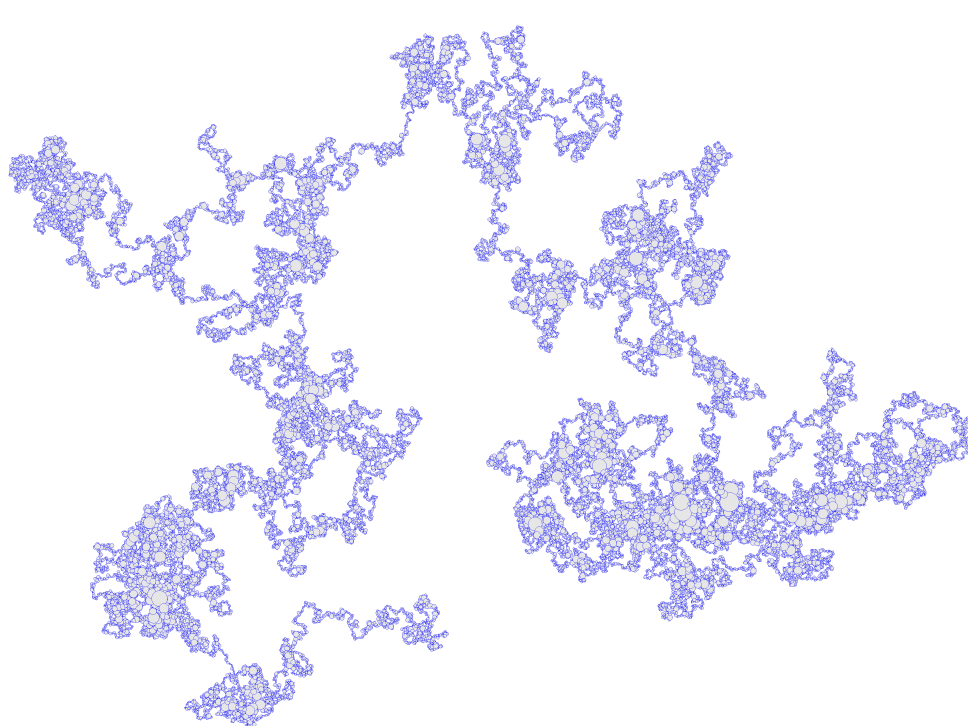
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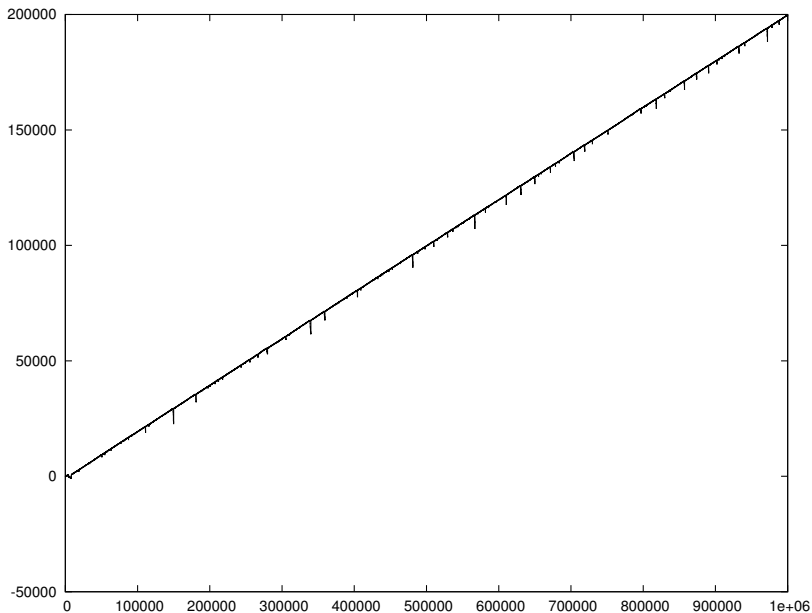
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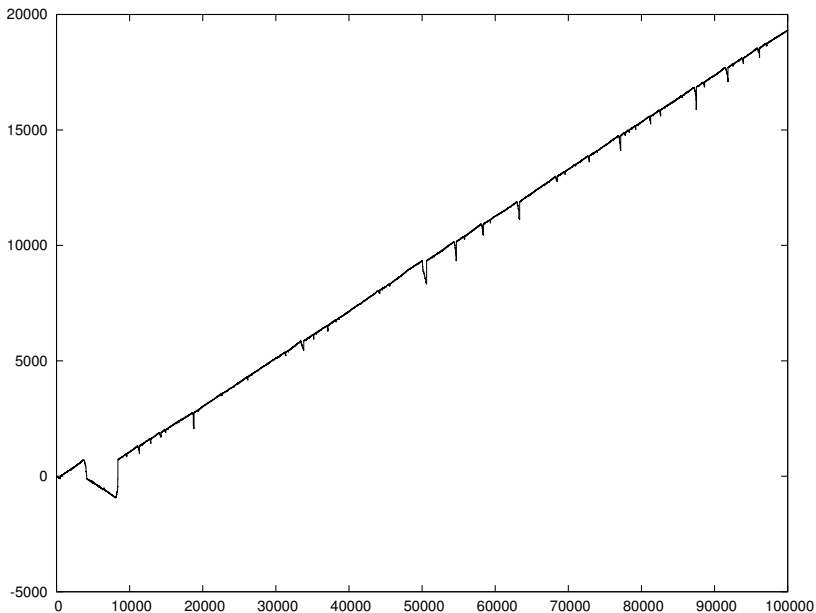




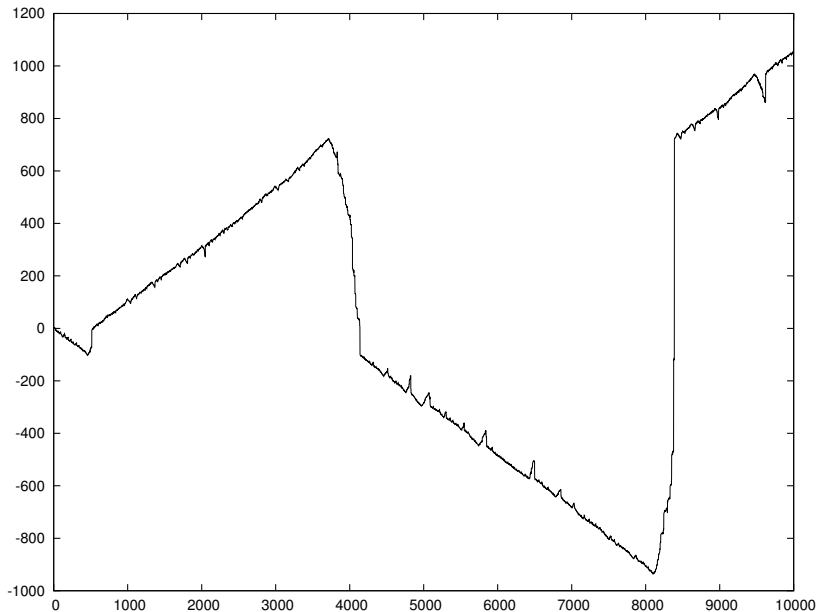
Greedy cleaner on the strip $[0, 5] \times \mathbb{R}$



Greedy cleaner on the strip $[0, 5] \times \mathbb{R}$



Greedy cleaner on the strip $[0, 5] \times \mathbb{R}$

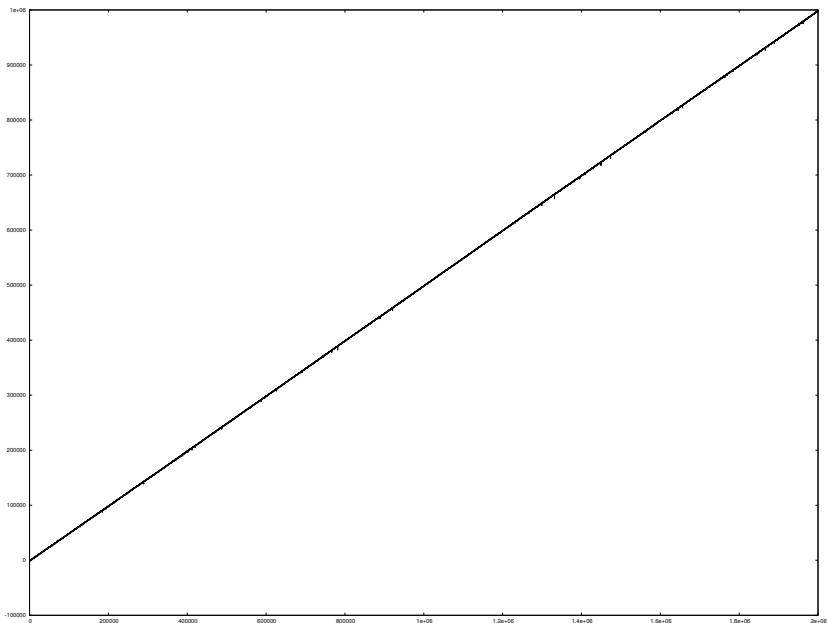


Greedy cleaner on the strip $[0, 5] \times \mathbb{R}$

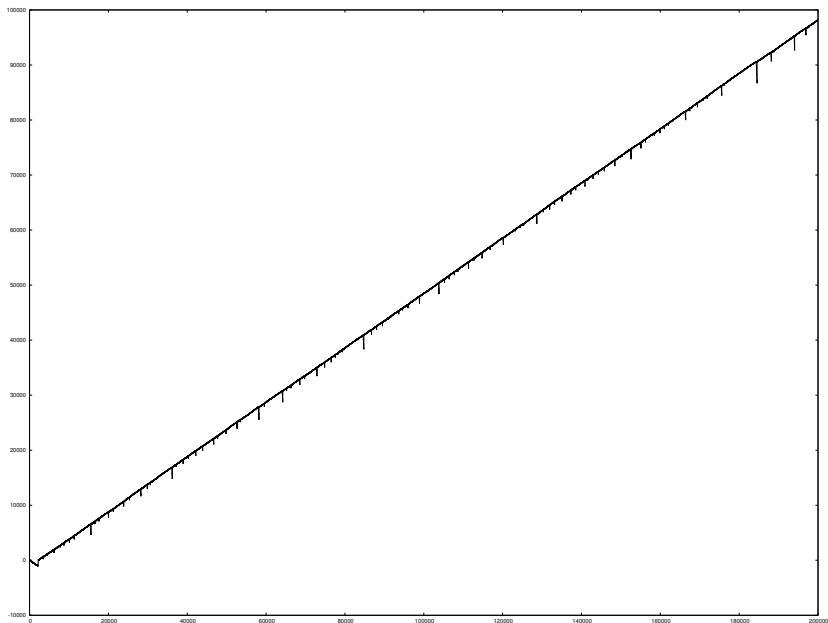


(1000 steps, stretched width)

Greedy cleaner on line with $p = 1$ of double points



Greedy cleaner on line with $p = 1$ of double points



Greedy cleaner on line with $p = 1$ of double points

