



**Our Results**

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• **Yes! For many problems.**



- **Theorem:** For  $p > 2$ , there is an algorithm using  $\tilde{O}(n^{1-2/p})$  space and an update time of  $O(1)$

- Improves on  $\text{poly}(\log n)$  update time of earlier works such as [Andoni, Krauthgamer, Onak '10]

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