Quantum Monotone Local Search.

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1 Introduction.

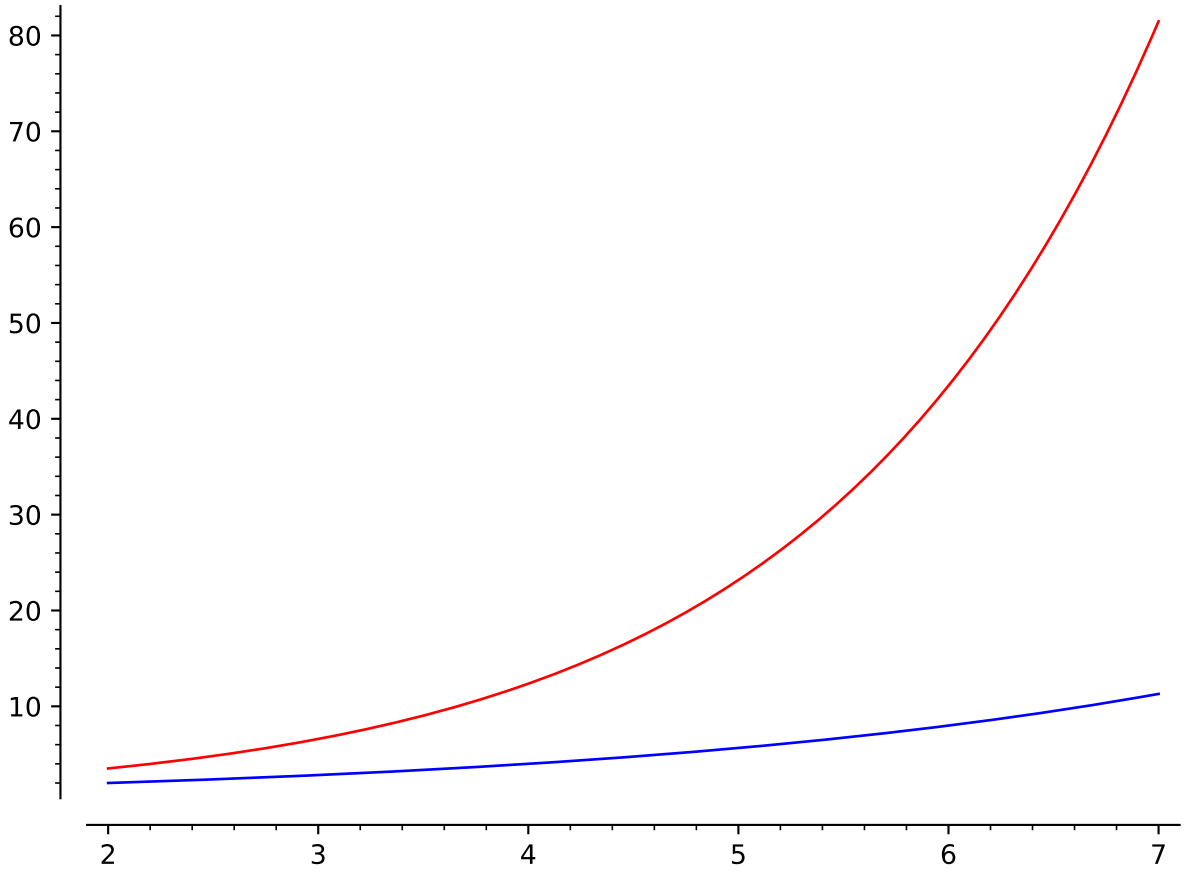
bla bla bla

$$\sum_{k' \leq k} \frac{1}{\sqrt{p(k')}} \cdot c^{k'-t} N^{\mathcal{O}(1)} \leq \max_{k' \leq k} \sqrt{\frac{\binom{n-|X|}{t}}{\binom{k'}{t}}} \cdot c^{k'-t} N^{\mathcal{O}(1)} =$$

$$\sqrt{\max_{k' \leq k} \frac{\binom{n-|X|}{t}}{\binom{k'}{t}} \cdot c^{2(k'-t)}} N^{\mathcal{O}(1)} =$$

$$\sqrt{\max_{k \leq n-|X|} \frac{\binom{n-|X|}{t}}{\binom{k}{t}} \cdot c^{2(k-t)}} N^{\mathcal{O}(1)} \leq$$

$$\Rightarrow \left(2 - \frac{1}{c^2}\right)^{\frac{n-|X|}{2}} N^{\mathcal{O}(1)}$$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