Naive search example

- $x = \bar{2}\bar{2}1\bar{2}1$ and $1 \leq rk(x) \leq 5$. Does $rk(x) = 3$?

- Construct the set of bands B having maximum conjugate length $l = 3$.

  - $|B| = 1029$

- Consider every band in every position:

  - $(b_1, b_2, b_3) \in B \times B \times B$

  - $|B|^3 = 1,089,547,389$ braids to compare.

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Templated search