

Search Algorithm

- Does there exist a band presentation for x having k bands?

Naive Search Algorithm:

- **Generate all bands having maximum conjugate length**

- Generate all products of k brands. If any are equal to x the result is true.

• If none are found increase λ and repeat.

Search Algorithm

- Does there exist a band presentation for x having k bands?

Naive Search Algorithm:

- Generate all bands having maximum conjugate length l
- Generate all products of k bands. If any are equal to x the result is true.
- If none are found increase l and repeat.

Comparison with Halting Problem