

Smallest Perimeter Polygon [Convex Hull?]
LCS.

Matrix Chain Multiplication.

Min wtk triangulation of Convex polygon.

Tut 2 - Bitonic Path Polygon.

n -bit Int Mult (Divide & Conquer, Karatsuba).
Closest pairs ($n \log n$).

Flow Network

- Max flow problem
- Theorem $|f \uparrow f'| = |f| + |f'|$
- Cut in flow network
- Max flow - min cut Theorem
- Ford Fulkerson Algo.
- Edmonds & Karp
- Bipartite graph Matching
- Integrality Theorem

NP Complete.

Non-det search

Non-det sol

$SAT \in NP$

\emptyset -SAT

3-SAT

3-SAT $\rightarrow NP$

→ Clique

→ Set Cover Problem

→ Venn Diagram