

²⁰ ^{cost}
Chop into k pieces

$$f(k, l) = \max_{k-1 \leq r < l} [w_{sr} + f(k-1, r)]$$

$$f(r, r) = w_{rr} - c_{rr}$$

Traveling Salesman Problem (TSP)

n cities. Distances between city i and city j is C_{ij} .



f ~~the~~ goes through all cities exactly once.

$s \rightarrow t_1 \rightarrow t_2 \rightarrow \dots \rightarrow t_{n-1} \rightarrow s$

Costs $C_{s_1} + C_{s_2} + \dots$

Find tour of minimum cost.