my somer?

IF you prove a problem NP-hard, - if your inputs one small, just solve it

- use an approximation - Use a heuristic mognarantee optimality



- try to specialize

- vse a SAT solver or JLP solver - prove P=NP



Maximum flow problem.

input: directed graph G = (V,E) with special nodes s, t

capacity function (: E-> 1220

source target

O+S

out put:

from finction $f: E \to \mathbb{R}^{20}$

such that 5• for all $\Sigma f(u \rightarrow v) = \Sigma f(v \rightarrow w)$ $v \in V \setminus \{s,t\}$ u

conservation of from

• for all $O \leq f(e) \leq c(e)$ e E feasibility

8 If I= ≤f(s→w) is maximized



