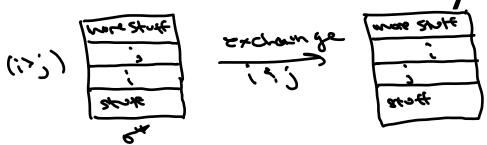


Algorithms: Design and Analysis, Part II

Greedy Algorithms

A Scheduling Application: Correctness Proof Part II

Cost-Benefit Analysis, Part I



angletion time of (1) a job k other than i or i (2) the job i (3) the job i

A not enough into /goes down /goes down

O not enough into /goes down /goes of

O unaffected /goes co /goes down

O unaffected /goes down /goes of

Cost-Benefit Analysis, Part II

Upshar: (1) cost of exchange wil; [ci joes up by 2]

(2) Sentit of exchange is wil; [ci joes dan by li]

Note: i>j => Lii 2 Lii => wil;

Note: i>j => Lii 2 Lii => cost < BENEFIT

=> Swap improves of, contradicts optimality of of

DED!