Applications.

- 1) computer-vi sion
- 2) Management
- 3) sports

- Recoll
- 1) Griver a flow returne Gr with subeque copacition, then one can determine a maximm-flow between Stt in o(not) time. Furthermore, the man-flow es wintegral.
- 2) max flow from 8 bot = min. out separating set

Ima ge. Segmentation

Given: - oil Directed graph Ga C (M), ()

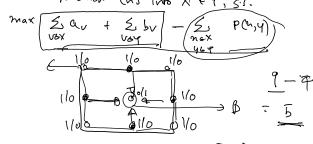
2) Priors a1, 2, -- , an bis bz, - - - bn



high rate a : > Vertexolphal i belongs for grant eugh whe bi backgord

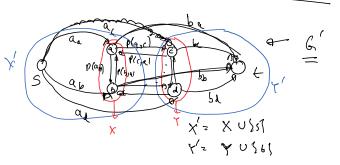
2) P(x, y) = correction

God : o Find partition (u) into X & Y, S.1.



OBJECTIVE

f



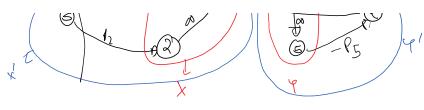
Project selection

Givan: a set of project (N)
Profity for the project, Pi, P2, ..., Ph.
defrendency Graph Giz ([m], P)

Find in a flosible set of project X, that

maximizes \(\sigma \) \(\text{if} \)

Add 51 Pi >0



Base-ball elimination

NY 92 Bultimore 91 Torondo 91 Bollan 90

5 mone games to be played blu every poir except my & Boslon

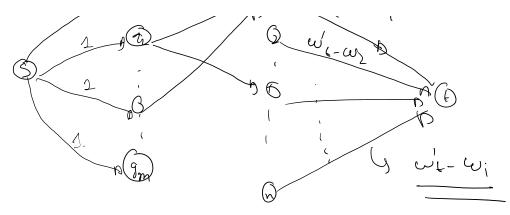
Grown: The aset games grown of games grown of a set of teamy (n)

- a set of teamy (n)

Find: can beam t earn, as many Points as any other team.

 $\frac{1}{2} \frac{1}{2} \frac{1}$

flows.applications Page



Wiz wit I sold number of gams in which team the involved

Question: o so it possible to push a flow of m unity from so t?

Society 11
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