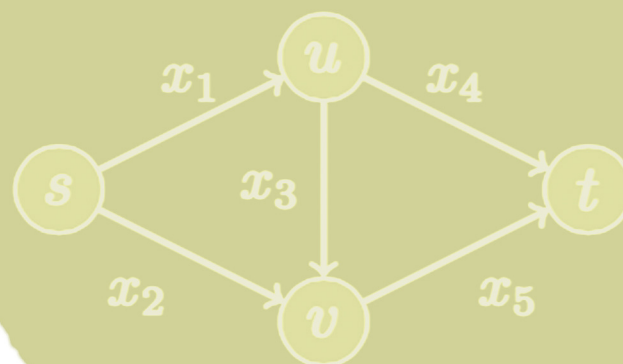


$$\begin{aligned}
 T(n) &= 2T(n/2) + cn \\
 &\leq 2c(n/2)\log_2(n/2) + cn \\
 &= 2c(n/2)\log_2(n/2) - 2c(n/2) + cn \\
 &= cn\log_2 n
 \end{aligned}$$



max
s.t.

$$x_1 - x_2 - x_3 = 0$$

$$-x_1 + x_3 + x_4 = 0$$

$$-x_2 - x_3 + x_4 + x_5 = 0$$

$$x_1 \leq C_1$$

$$x_2 \leq C_2$$

$$x_3 \leq C_3$$

$$x_4 \leq C_4$$

$$x_5 \leq C_5$$

f

$$f \leq 0 \text{ vertex } s$$

$$f \leq 0 \text{ vertex } t$$

$$f \leq 0 \text{ vertex } u$$

$$f \leq 0 \text{ vertex } v$$

$$f \leq C_1$$

$$f \leq C_2$$

$$f \leq C_3$$

$$f \leq C_4$$

$$f \leq C_5$$

Al-Khwarizmi

算法讲义

Al-Khwarizmi

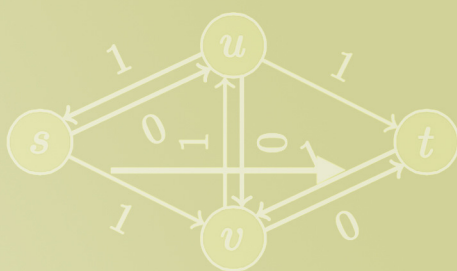
卜东波 刘兴武 编著

关于问题求解方法的十八讲 LECTURES ON ALGORITHMS

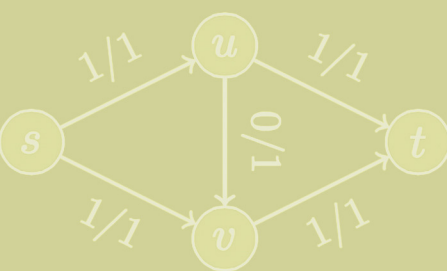


Flow f

+



An $s - t$ path in G_f



= New flow f'

国科大出版社