对偶问题没考过，背定义

$$\min \quad Z = C^T X \qquad\qquad \max Z = B^T W$$

$$AX \geq B \quad \rightarrow \quad A^T W \leq C$$

$$X \geq 0 \qquad\qquad W \geq 0$$

灵敏分析，simplex 没考过，背定义

initial max

	X^T	$C_0 = 0$
X_0	A^* I_m	B
	$-C^{*T}$ 0	0

final

	X^T	
X_B	SA^* S	SB
	$y^T A^* - C^{*T}$ y^T	$y^T B$

① change in B

$B \rightarrow B_C = [a \quad b+\Delta \quad c]$

$\Rightarrow$ 5 B_C 每个数 ≥ 0 $\Rightarrow$ Δ 范围

② $C_1^* = a + \Delta$ non basic value

$y^T A^* - C_{C1}^{*T} \geq 0 \Rightarrow$ Δ 范围

③ $A_1^* \rightarrow A_{C1}^*$ $C_1^* \rightarrow C_{C1}^*$

$5 A_{C1}^* \geq 0$ $y^T A_{C1}^* - C_{C1}^* > 0$

④ change basic variable

$C_2^* \rightarrow C_{C2}^*$ $A_2^* \rightarrow A_{C2}^*$

重新求