Tutorial 10
1. 将条件转换为 LP constraints.
$\chi_1 + \chi_2 + \chi_3 + \chi_4 \le 4 + M(1-W)$
$3x_1 - x_2 - x_3 + x_4 \le 3 + Mw$
w = 10,1 }.
2. Let $f(x) = \int 10 x$, if $0 \le x \le 50$ 500 , if $51 \le x \le 100$
500, of 51 ≤x ≤100
(£x, of x > 101
Rewrste the following non-linear programming problem as an integer program
b < 21 = 50W, W, & {0.1}
51 W2 5 X2 5 100 W2 W2610,14
X3 > 10 W3. W3 & 40, 14.
$W_1 + W_2 + W_3 = 1$
$M f(x) = 10 x_1 + 500 W_2 + 5x_3$.
3. x, y are integers. a. How would ensure that $x+y \le 3$, $2x+5y \le 12$. or both are satisfied by x and y ?



