

LINDO Examples

ENVR 104

Water Resources Module

LINDO Input for Homewood Masonry problem

(adapted from *Civil and Environmental Systems Engineering* by Revelle, Whitlatch and Wright)

MAX 140 x1 + 160 x2

SUBJECT TO

Wabash) 2 x1 + 4 x2 <= 28

Blend) 5 x1 + 5 x2 <= 50

VatCapF) x1 <= 8

VatCapH) x2 <= 6

END

LINDO Output for Homewood Masonry problem

LP OPTIMUM FOUND AT STEP 3

OBJECTIVE FUNCTION VALUE

1) 1480.000

VARIABLE	VALUE	REDUCED COST
X1	6.000000	0.000000
X2	4.000000	0.000000

ROW	SLACK OR SURPLUS	DUAL PRICES
WABASH)	0.000000	10.000000
BLEND)	0.000000	24.000000
VATCAPF)	2.000000	0.000000
VATCAPH)	2.000000	0.000000

NO. ITERATIONS= 3