Vac: In: inventors from n to not (held overnight) Kn: amount to buy at (end of) n On: amount to sell at (Legianing of) n Constraints: For n=1 : y, < 40 (an't sell more than initial inc I, = 40 - 5, + x, yn ≤ In-1 + N∈ {2,...,N} In = In-1 - yn + xn + nelz, -, N In < 100 + n + 21, ..., NS

Obj.:

Max Z (Pn 5n - Cn xn)

B 3 F 2 F 3 P 4 D 1 L 2

Vac:

Xt: time at which we start task t.

T: completion time

Constraints:

x, 70 +t

Xx 7 X8+3

XL 7 XB+3

TE 7 XF + 2

XP7 XF+2

70 7, x +3

TO 7 XP+Y

T7 70+1

T 7, XL+2

Obj:

min T

PS

i \(\{ 1,2\} \) (i=1 is Attagen Silicon and i=2 is Nitrogen)

jel1,2\} (for fertilizers 1 and 2)

Vor: Kij: Ibs of i used to produce fertiliter j

Constraints:

Obj.

$$M_{1} \times \left(+0.(x_{11}+x_{21}) + 40.(x_{12}+x_{22}) - 10.(x_{11}+x_{12}) - 15(x_{21}+x_{22}) \right)$$