

o\$solution

[1] 3 5 0 7 0 3 0 7 0 1 0 0 1 0

```
1 library(lpSolve)
2
3 u <- c(rep(120*5,7),rep(40*5,7));
4 A <- rbind( c(8,0,0,8,8,8,8,4,0,0,4,4,4,4),
5             c(8,8,0,0,8,8,8,4,4,0,0,4,4,4),
6             c(8,8,8,0,0,8,8,4,4,4,0,0,4,4),
7             c(8,8,8,8,0,0,8,4,4,4,4,0,0,4),
8             c(8,8,8,8,8,0,0,4,4,4,4,4,0,0),
9             c(0,8,8,8,8,8,0,0,4,4,4,4,4,0),
10            c(0,0,8,8,8,8,8,0,0,4,4,4,4,4),
11            c(0,0,0,0,0,0,0,0,-20,-20,-20,-20,-20,-20,-20));
12 dir <- rep(">=",8)
13 b <- c(136, 104, 120, 152, 112, 128, 88, -210);
14 o <- lp(direction = "min", objective.in = u, const.mat = A,
15         const.dir = dir, const.rhs = b,all.int = T)
16 o$solution
```