

```
Maximize 15 X1 + 8 X2 - 6HS - PUB1 - PUB2 - 1.5MP
subject to
Contraintebudgetpublicitaire : PUB1+PUB2 <= 100

ContrainteMP1 : MP <= 400
ContrainteMP2 : 2 X1 + X2 - MP <= 0

machine : 1.5X1+ 0.8X2 <= 320

ouvriers : 0.75X1+0.5X2 -HS <= 160

demandeP1 : X1 - 10 PUB1 <= 50
demandeP2 : X2 - 15 PUB2 <= 60

End
```