Modelo de problema do fluxo máximo no Xpress Mosel

```
model fluxo
uses "mmxprs"; !gain access to the Xpress-Optimizer solver
parameters
   PROJECTDIR='C:\Users\anauz\UFPB\2019.2'
end-parameters
declarations
  nos: range
  origem=1
  destino=6
  tudo=1..6
  arcos:dynamic array(nos,nos) of integer
  x:dynamic array(nos,nos) of mpvar
end-declarations
initializations from 'dados-fluxo-max.txt'
          arcos
end-initializations
forall(i,j in tudo | exists(arcos(i,j)))  create(x(i,j))
forall(i in tudo) do
   sum(k in tudo)x(k,i) = sum(j in tudo) x(i,j)
end-do
forall(i in tudo) do
   forall(j in tudo)x(i,j) <= arcos(i,j)
end-do
fluxo:= x(destino,origem)
maximize(fluxo)
writeln("Begin running model")
!...
forall(i in tudo, j in tudo | exists(arcos(i,j))) do
  writeln("valor(",i,j,")= ",getsol(x(i,j)))
end-do
writeln("FO: ",getobjval)
writeln("End running model")
exportprob(EP_MAX,"",fluxo)
end-model
```

dados-fluxo-max.txt

```
arcos:[(1 2) 10
          (1 3) 7
          (2 4) 9
          (2 5) 18
          (3 4) 5
          (3 5) 14
          (4 6) 10
          (5 6) 11
          (6 1) 50]
```