

```

> library(partitions)
> library(reshape2)
> library(gdxxrw)
> #igdx("C:/Program Files (x86)/GAMS23.5")
> igdx("C:/GAMS/win64/24.4")
The GDX library has been loaded
GDX library load path: C:/GAMS/win64/24.4
> n=rgdx.scalar("C:/Users/marco/Documents/gamsdir/rprojdir/countryn.gdx","n")
> c=parts(n)
> c1=as.matrix(c)
> pn=ncol(c1)
> suf=seq(1:pn)
> pre="par"
> partn=paste(pre,suf,sep="")
> cs=nrow(c1)
> sufc=seq(1:cs)
> prec="coas"
> coals=paste(prec,sufc,sep="")
> colnames(c1)=partn
> rownames(c1)=coals
> spdef<- list(name='pn',uels=list(partn),dim=1,form='full',type='set',ts='partitions')
> cddef= list(name='cn',uels=list(coals),dim=1,form='full',type='set',ts='coalitions in partitions')
> cpmat= list(name='pc',
val=c1,uels=list(coals,partn),dim=2,form='full',type='parameter',ts='partitions coalitions matrix')
> wgdx.lst("C:/Users/marco/Documents/gamsdir/rprojdir/parti.gdx", list(spdef,cddef,cpmat))
> q("yes")
--- analytic3.gms(28) 2 Mb
--- GDXin=C:\Users\marco\Documents\gamsdir\rprojdir\parti.gdx
--- analytic3.gms(224) 3 Mb
--- Starting execution: elapsed 0:00:01.352
--- analytic3.gms(133) 154 Mb
--- Generating MCP model partem
--- analytic3.gms(136) 2022 Mb
--- 3,704,400 rows 3,704,400 columns 29,106,000 non-zeroes
--- 1 nl-code 0 nl-non-zeroes
--- analytic3.gms(136) 2020 Mb
--- Executing PATH: elapsed 0:01:00.777
--- analytic3.gms(136) 2020 Mb
Reading dictionary...
Reading row data...
Evaluating functions...
Checking model...
Calculating Jacobian...

```

PATH Jul 4, 2010 23.5.1 WIN 18414.18495 VS8 x86/MS Windows

3704400 row/cols, 29106000 non-zeros, 0.00% dense.

Path 4.7.02 (Fri Jul 02 05:30:27 2010)

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MCPR: Zero: 0 Single: 3175200 Double: 0 Forced: 0

Preprocessed size : 529200

** SOLVER ERROR **

Memory.c(60): AllocateFactors: allocation failed

--- Restarting execution

--- analyticp3.gms(136) 0 Mb

--- Reading solution for model partem

--- Executing after solve: elapsed 0:01:34.538

--- analyticp3.gms(138) 313 Mb

*** Status: Normal completion

--- Job analyticp3.gms Stop 12/22/15 19:36:07 elapsed 0:01:35.283