%% MIP deflacionada a preços constantes de 2010

cd(' C:\Users\patie\Dropbox\GICDATA\Deflacao')

%% Tabela Recursos

% importacao de dados

% Producao

V\_«Ano\_abrev»= xlsread('Deflatores\_2000a2015\_recursos\_precos2010.xlsx', 'TabRecursosIPDeflacVBP«Ano\_abrev»', 'l6:ba96');

% Usos Total

Uso\_cons\_int\_«Ano\_abrev»= xlsread('Deflatores\_2000a2015\_usos\_precos2010.xlsx', 'TabUsosTotIPDeflac«Ano\_abrev»', 'c6:ar96');

Uso\_demanda\_«Ano\_abrev»= xlsread('Deflatores\_2000a2015\_usos\_precos2010.xlsx', 'TabUsosTotIPDeflac«Ano\_abrev»', 'at6:ay96');

% Usos Nacional

UsoNac\_cons\_int\_«Ano\_abrev»= xlsread('Deflatores\_2000a2015\_usos\_nacional\_precos2010.xlsx', 'TabUsosNacIPDeflac«Ano\_abrev»', 'c6:ar96');

UsoNac\_demanda\_«Ano\_abrev»= xlsread('Deflatores\_2000a2015\_usos\_nacional\_precos2010.xlsx', 'TabUsosNacIPDeflac«Ano\_abrev»', 'at6:ay96');

% Usos Importado

UsoImp\_cons\_int\_«Ano\_abrev»= xlsread('Deflatores\_2000a2015\_usos\_importado\_precos2010.xlsx', 'TabUsosImpIPDeflac«Ano\_abrev»', 'c6:ar96');

UsoImp\_demanda\_«Ano\_abrev»= xlsread('Deflatores\_2000a2015\_usos\_importado\_precos2010.xlsx', 'TabUsosImpIPDeflac«Ano\_abrev»', 'at6:ay96');

cd('C:\Users\patie\Dropbox\GICDATA\MIP 2000-2015\MIP\_PCR\_2010\_42')

%% Exportar dados para nova planilha

% Uso a preços de consumidor

% Intermediaria

%Matriz cheia

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_cons\_int\_«Ano\_abrev», 'Usos', 'c6:ar96');

%Total das linhas

Uso\_cons\_int\_«Ano\_abrev»\_tot= sum(Uso\_cons\_int\_«Ano\_abrev»,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_cons\_int\_«Ano\_abrev»\_tot, 'Usos', 'as6:as96');

%Total das colunas

Uso\_cons\_int\_«Ano\_abrev»\_col= sum(Uso\_cons\_int\_«Ano\_abrev»,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_cons\_int\_«Ano\_abrev»\_col, 'Usos', 'c98:ar98');

%Total geral

Uso\_cons\_int\_«Ano\_abrev»\_col\_tot= sum(Uso\_cons\_int\_«Ano\_abrev»\_tot);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_cons\_int\_«Ano\_abrev»\_col\_tot, 'Usos', 'as98:as98');

% Final

%Matriz cheia

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_demanda\_«Ano\_abrev», 'Usos', 'at6:ay96');

%Total das linhas

Uso\_demanda\_«Ano\_abrev»\_tot= sum(Uso\_demanda\_«Ano\_abrev»,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_demanda\_«Ano\_abrev»\_tot, 'Usos', 'az6:az96');

%Total das colunas

Uso\_demanda\_«Ano\_abrev»\_col= sum(Uso\_demanda\_«Ano\_abrev»,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_demanda\_«Ano\_abrev»\_col, 'Usos', 'at98:ay98');

%Total geral

Uso\_demanda\_«Ano\_abrev»\_col\_tot= sum(Uso\_demanda\_«Ano\_abrev»\_tot,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_demanda\_«Ano\_abrev»\_col\_tot, 'Usos', 'az98:az98');

% Total

Uso\_«Ano\_abrev»\_tot=Uso\_demanda\_«Ano\_abrev»\_tot+Uso\_cons\_int\_«Ano\_abrev»\_tot;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_«Ano\_abrev»\_tot, 'Usos', 'ba6:ba96');

Uso\_«Ano\_abrev»\_col=sum(Uso\_«Ano\_abrev»\_tot,1)

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_«Ano\_abrev»\_col, 'Usos', 'ba98:ba98');

% Uso nacional a preços básicos

% Intermediaria

%Matriz cheia

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_cons\_int\_«Ano\_abrev», 'Usos Nacional pb', 'c6:ar96');

%Total das linhas

UsoNac\_cons\_int\_«Ano\_abrev»\_tot= sum(UsoNac\_cons\_int\_«Ano\_abrev»,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_cons\_int\_«Ano\_abrev»\_tot, 'Usos Nacional pb', 'as6:as96');

%Total das colunas

UsoNac\_cons\_int\_«Ano\_abrev»\_col= sum(UsoNac\_cons\_int\_«Ano\_abrev»,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_cons\_int\_«Ano\_abrev»\_col, 'Usos Nacional pb', 'c98:ar98');

%Total geral

UsoNac\_cons\_int\_«Ano\_abrev»\_col\_tot= sum(UsoNac\_cons\_int\_«Ano\_abrev»\_tot);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_cons\_int\_«Ano\_abrev»\_col\_tot, 'Usos Nacional pb', 'as98:as98');

% Final

%Matriz cheia

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_demanda\_«Ano\_abrev», 'Usos Nacional pb', 'at6:ay96');

%Total das linhas

UsoNac\_demanda\_«Ano\_abrev»\_tot= sum(UsoNac\_demanda\_«Ano\_abrev»,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_demanda\_«Ano\_abrev»\_tot, 'Usos Nacional pb', 'az6:az96');

%Total das colunas

UsoNac\_demanda\_«Ano\_abrev»\_col= sum(UsoNac\_demanda\_«Ano\_abrev»,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_demanda\_«Ano\_abrev»\_col, 'Usos Nacional pb', 'at98:ay98');

%Total geral

UsoNac\_demanda\_«Ano\_abrev»\_col\_tot= sum(UsoNac\_demanda\_«Ano\_abrev»\_tot,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_demanda\_«Ano\_abrev»\_col\_tot, 'Usos Nacional pb', 'az98:az98');

% Total

UsoNac\_«Ano\_abrev»\_tot=UsoNac\_demanda\_«Ano\_abrev»\_tot+UsoNac\_cons\_int\_«Ano\_abrev»\_tot;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_«Ano\_abrev»\_tot, 'Usos Nacional pb', 'ba6:ba96');

UsoNac\_«Ano\_abrev»\_col=sum(UsoNac\_«Ano\_abrev»\_tot,1)

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_«Ano\_abrev»\_col, 'Usos Nacional pb', 'ba98:ba98');

% Usos Importado

% Intermediaria

%Matriz cheia

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_cons\_int\_«Ano\_abrev», 'Usos Importado', 'c6:ar96');

%Total das linhas

UsoImp\_cons\_int\_«Ano\_abrev»\_tot= sum(UsoImp\_cons\_int\_«Ano\_abrev»,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_cons\_int\_«Ano\_abrev»\_tot, 'Usos Importado', 'as6:as96');

%Total das colunas

UsoImp\_cons\_int\_«Ano\_abrev»\_col= sum(UsoImp\_cons\_int\_«Ano\_abrev»,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_cons\_int\_«Ano\_abrev»\_col, 'Usos Importado', 'c98:ar98');

%Total geral

UsoImp\_cons\_int\_«Ano\_abrev»\_col\_tot= sum(UsoImp\_cons\_int\_«Ano\_abrev»\_tot);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_cons\_int\_«Ano\_abrev»\_col\_tot, 'Usos Importado', 'as98:as98');

% Final

%Matriz cheia

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_demanda\_«Ano\_abrev», 'Usos Importado', 'at6:ay96');

%Total das linhas

UsoImp\_demanda\_«Ano\_abrev»\_tot= sum(UsoImp\_demanda\_«Ano\_abrev»,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_demanda\_«Ano\_abrev»\_tot, 'Usos Importado', 'az6:az96');

%Total das colunas

UsoImp\_demanda\_«Ano\_abrev»\_col= sum(UsoImp\_demanda\_«Ano\_abrev»,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_demanda\_«Ano\_abrev»\_col, 'Usos Importado', 'at98:ay98');

%Total geral

UsoImp\_demanda\_«Ano\_abrev»\_col\_tot= sum(UsoImp\_demanda\_«Ano\_abrev»\_tot,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_demanda\_«Ano\_abrev»\_col\_tot, 'Usos Importado', 'az98:az98');

% Total

UsoImp\_«Ano\_abrev»\_tot=UsoImp\_demanda\_«Ano\_abrev»\_tot+UsoImp\_cons\_int\_«Ano\_abrev»\_tot;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_«Ano\_abrev»\_tot, 'Usos Importado', 'ba6:ba96');

UsoImp\_«Ano\_abrev»\_col=sum(UsoImp\_«Ano\_abrev»\_tot,1)

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_«Ano\_abrev»\_col, 'Usos Importado', 'ba98:ba98');

%% Coeficientes técnicos Nacional para 42 setores

% Proporção de Consumo intermediário Nacional

x\_«Ano\_abrev»=sum(V\_«Ano\_abrev»,1);

Bn\_«ANO»= UsoNac\_cons\_int\_«Ano\_abrev»\*inv(diag(x\_«Ano\_abrev»));

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Bn\_«ANO», 'Bn', 'c6:ar96');

% Proporção de Consumo intermediário importado

Bm\_«ANO»= UsoImp\_cons\_int\_«Ano\_abrev»\*inv(diag(x\_«Ano\_abrev»));

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Bm\_«ANO», 'Bm', 'c6:ar96');

% Proporção de Consumo intermediário Total

UsoTot\_cons\_int\_«Ano\_abrev» = UsoNac\_cons\_int\_«Ano\_abrev» + UsoImp\_cons\_int\_«Ano\_abrev»;

B\_«ANO»= UsoTot\_cons\_int\_«Ano\_abrev»\*inv(diag(x\_«Ano\_abrev»));

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', B\_«ANO», 'B', 'c6:ar96');

% Market share

q\_«ANO»=sum(V\_«Ano\_abrev»,2);

D\_«ANO»=(V\_«Ano\_abrev»')\*inv(diag(q\_«ANO»));

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', D\_«ANO», 'D', 'c6:co47');

% Coeficientes técnicos Nacional

An\_«ANO»=D\_«ANO»\*Bn\_«ANO»;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', An\_«ANO», 'An', 'c6:ar47');

% Coeficientes técnicos Importado

Am\_«ANO»=D\_«ANO»\*Bm\_«ANO»;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Am\_«ANO», 'Am', 'c6:ar47');

% Coeficientes técnicos Total

A\_«ANO»=D\_«ANO»\*B\_«ANO»;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', A\_«ANO», 'A', 'c6:ar47');

% Inversa de leontief

Z\_«ANO»=inv(eye(42)-An\_«ANO»);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Z\_«ANO», 'Z', 'c6:ar47');

% Inversa de Leontief total

% Inversa de leontief

Zt\_«ANO»=inv(eye(42)-A\_«ANO»);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Zt\_«ANO», 'Zt', 'c6:ar47');

%% Operação matriz quadrada

% Usos

% Intermerdiario

% Matriz cheia

U\_«ANO»\_42= D\_«ANO»\* Uso\_cons\_int\_«Ano\_abrev»;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', U\_«ANO»\_42, 'Usos\_42', 'c6:ar47');

U\_«ANO»\_42\_col= sum(U\_«ANO»\_42,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', U\_«ANO»\_42\_col, 'Usos\_42', 'c49:ar49');

U\_«ANO»\_42\_tot= sum(U\_«ANO»\_42,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', U\_«ANO»\_42\_tot, 'Usos\_42', 'as6:as47');

U\_«ANO»\_42\_tot\_col= sum(U\_«ANO»\_42\_tot);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', U\_«ANO»\_42\_tot\_col, 'Usos\_42', 'as49:as49');

% Final

F\_«ANO»\_42= D\_«ANO»\* Uso\_demanda\_«Ano\_abrev»

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', F\_«ANO»\_42, 'Usos\_42', 'at6:ay47');

F\_«ANO»\_42\_col= sum(F\_«ANO»\_42,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', F\_«ANO»\_42\_col, 'Usos\_42', 'at49:ay49');

F\_«ANO»\_42\_tot= sum(F\_«ANO»\_42,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', F\_«ANO»\_42\_tot, 'Usos\_42', 'az6:az47');

F\_«ANO»\_42\_tot\_col= sum(F\_«ANO»\_42\_tot);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', F\_«ANO»\_42\_tot\_col, 'Usos\_42', 'az49:az49');

% Total

Uso\_«ANO»\_42= F\_«ANO»\_42\_tot+U\_«ANO»\_42\_tot;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_«ANO»\_42, 'Usos\_42', 'ba6:ba47');

Uso\_«ANO»\_42\_col= sum(Uso\_«ANO»\_42,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Uso\_«ANO»\_42\_col, 'Usos\_42', 'ba49:ba49');

% Usos Nacional

% Intermerdiario

% Matriz cheia

Un\_«ANO»\_42= D\_«ANO»\* UsoNac\_cons\_int\_«Ano\_abrev»;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Un\_«ANO»\_42, 'Usos Nacional pb\_42', 'c6:ar47');

Un\_«ANO»\_42\_col= sum(Un\_«ANO»\_42,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Un\_«ANO»\_42\_col, 'Usos Nacional pb\_42', 'c49:ar49');

Un\_«ANO»\_42\_tot= sum(Un\_«ANO»\_42,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Un\_«ANO»\_42\_tot, 'Usos Nacional pb\_42', 'as6:as47');

Un\_«ANO»\_42\_tot\_col= sum(Un\_«ANO»\_42\_tot);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Un\_«ANO»\_42\_tot\_col, 'Usos Nacional pb\_42', 'as49:as49');

% Final

Fn\_«ANO»\_42= D\_«ANO»\* UsoNac\_demanda\_«Ano\_abrev»;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Fn\_«ANO»\_42, 'Usos Nacional pb\_42', 'at6:ay47');

Fn\_«ANO»\_42\_col= sum(Fn\_«ANO»\_42,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Fn\_«ANO»\_42\_col, 'Usos Nacional pb\_42', 'at49:ay49');

Fn\_«ANO»\_42\_tot= sum(Fn\_«ANO»\_42,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Fn\_«ANO»\_42\_tot, 'Usos Nacional pb\_42', 'az6:az47');

Fn\_«ANO»\_42\_tot\_col= sum(Fn\_«ANO»\_42\_tot);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Fn\_«ANO»\_42\_tot\_col, 'Usos Nacional pb\_42', 'az49:az49');

% Total

UsoNac\_«ANO»\_42= Fn\_«ANO»\_42\_tot+Un\_«ANO»\_42\_tot;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_«ANO»\_42, 'Usos Nacional pb\_42', 'ba6:ba47');

UsoNac\_«ANO»\_42\_col= sum(UsoNac\_«ANO»\_42,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoNac\_«ANO»\_42\_col, 'Usos Nacional pb\_42', 'ba49:ba49');

% Usos Importado

% Matriz cheia

Um\_«ANO»\_42= D\_«ANO»\* UsoImp\_cons\_int\_«Ano\_abrev»;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Um\_«ANO»\_42, 'Usos Importado\_42', 'c6:ar47');

Um\_«ANO»\_42\_col= sum(Um\_«ANO»\_42,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Um\_«ANO»\_42\_col, 'Usos Importado\_42', 'c49:ar49');

Um\_«ANO»\_42\_tot= sum(Um\_«ANO»\_42,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Um\_«ANO»\_42\_tot, 'Usos Importado\_42', 'as6:as47');

Um\_«ANO»\_42\_tot\_col= sum(Um\_«ANO»\_42\_tot);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Um\_«ANO»\_42\_tot\_col, 'Usos Importado\_42', 'as49:as49');

% Final

Fm\_«ANO»\_42= D\_«ANO»\* UsoImp\_demanda\_«Ano\_abrev»;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Fm\_«ANO»\_42, 'Usos Importado\_42', 'at6:ay47');

Fm\_«ANO»\_42\_col= sum(Fm\_«ANO»\_42,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Fm\_«ANO»\_42\_col, 'Usos Importado\_42', 'at49:ay49');

Fm\_«ANO»\_42\_tot= sum(Fm\_«ANO»\_42,2);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Fm\_«ANO»\_42\_tot, 'Usos Importado\_42', 'az6:az47');

Fm\_«ANO»\_42\_tot\_col= sum(Fm\_«ANO»\_42\_tot);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', Fm\_«ANO»\_42\_tot\_col, 'Usos Importado\_42', 'az49:az49');

% Total

UsoImp\_«ANO»\_42= Fm\_«ANO»\_42\_tot+Um\_«ANO»\_42\_tot;

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_«ANO»\_42, 'Usos Importado\_42', 'ba6:ba47');

UsoImp\_«ANO»\_42\_col= sum(UsoImp\_«ANO»\_42,1);

xlswrite('MIP\_«ANO»\_PCR\_2010\_42.xlsx', UsoImp\_«ANO»\_42\_col, 'Usos Importado\_42', 'ba49:ba49');