Suppl. Data S7. Equations for estimating the potential output revealers of national and EU market conditionalities

1	AT_DAP = 0.49614972183*AT_DAP(-1) - 0.04207279139*AT_DAP(-2) - 0.0851779109835*AT_DAP(-3) + 0.0424104375582*AT_DAP(-4) - 0.027172582828*AT_XDP(-1) - 0.0824462991769*AT_XDP(-2) - 0.0101588470275*AT_XDP(-3) + 0.167997342456*AT_XDP(-4) - 0.682062642864*AT_P(-1) + 0.270332236335*AT_P(-2) - 0.539084235607*AT_P(-3) + 0.135831619297*AT_P(-4) + 1.40861668546
2	AT_XDP = - 0.391561774609*AT_DAP(-1) + 1.02375967839*AT_DAP(-2) - 0.462577989659*AT_DAP(-3) - 0.318750856413*AT_DAP(-4) + 0.229295097278*AT_XDP(-1) - 0.216897877884*AT_XDP(-2) + 0.293137196758*AT_XDP(-3) + 0.0180237869499*AT_XDP(-4) + 1.00217092743*AT_P(-1) - 1.58789327823*AT_P(-2) + 1.44145663338*AT_P(-3) - 0.561531380247*AT_P(-4) + 0.121380669947
3	AT_P = - 0.20031378342*AT_DAP(-1) + 0.0442056197777*AT_DAP(-2) - 0.0920525672152*AT_DAP(-3) + 0.0611264973512*AT_DAP(-4) + 0.184198686746*AT_XDP(-1) - 0.024412041751*AT_XDP(-2) + 0.0543630325609*AT_XDP(-3) + 0.0458102388273*AT_XDP(-4) - 0.0605829934744*AT_P(-1) - 0.521760821207*AT_P(-2) - 0.229877166439*AT_P(-3) - 0.345922018044*AT_P(-4) + 2.28375348452
4	BE_DAP = - 0.16609618428*BE_DAP(-1) + 0.879780421791*BE_DAP(-2) - 0.239115290417*BE_DAP(-3) + 0.303477887608*BE_DAP(-4) + 0.0123086841509*BE_DAP(-5) + 0.0487253856483*BE_XDP(-1) - 0.190216002756*BE_XDP(-2) - 0.03672215658*BE_XDP(-3) + 0.27097980009*BE_XDP(-4) - 0.0373850698423*BE_XDP(-5) + 2.18712007865*BE_P(-1) + 1.62413597551*BE_P(-2) + 1.3097908604*BE_P(-3) - 0.388138247158*BE_P(-4) + 0.372633425617*BE_P(-5) - 5.03249841534
5	BE_XDP = - 2.82691393483*BE_DAP(-1) + 4.7065651609*BE_DAP(-2) - 0.928311811866*BE_DAP(-3) - 0.702322864455*BE_DAP(-4) + 1.7642991518*BE_DAP(-5) + 0.400010665393*BE_XDP(-1) - 0.247793809077*BE_XDP(-2) - 0.937393521551*BE_XDP(-3) + 0.949896744049*BE_XDP(-4) - 0.224862501682*BE_XDP(-5) + 8.48188387943*BE_P(-1) + 0.708787249397*BE_P(-2) + 5.5188668317*BE_P(-3) + 1.247822316*BE_P(-4) + 1.59056923295*BE_P(-5) - 18.8570038943
6	BE_P = - 0.239039886054*BE_DAP(-1) + 0.175625662499*BE_DAP(-2) - 0.0993031198026*BE_DAP(-3) - 0.186329699811*BE_DAP(-4) + 0.056667314876*BE_DAP(-5) + 0.0216480928241*BE_XDP(-1) + 0.00363566456162*BE_XDP(-2) - 0.0882877561707*BE_XDP(-3) + 0.0486685945748*BE_XDP(-4) + 0.00311082105994*BE_XDP(-5) - 0.234259083738*BE_P(-1) - 0.367397818442*BE_P(-2) - 0.0965032217699*BE_P(-3) - 0.0268104356142*BE_P(-4) + 0.258924104664*BE_P(-5) + 1.78203817964
7	BG_DAP = 0.608117707611*BG_DAP(-1) - 0.559630438135*BG_DAP(-2) + 1.01365101449*BG_DAP(-3) - 0.583370862152*BG_DAP(-4) + 0.425234364247*BG_XDP(-1) - 0.064084927674*BG_XDP(-2) - 0.178902093597*BG_XDP(-3) - 0.462454467487*BG_XDP(-4) + 1.22209154951*BG_P(-1) - 0.47168181679*BG_P(-2) + 0.145052516127*BG_P(-3) - 0.487185301943*BG_P(-4) + 0.263548398032
8	BG_XDP = - 0.344026170959*BG_DAP(-1) - 0.462453064305*BG_DAP(-2) + 0.500475779941*BG_DAP(-3) + 0.137172082237*BG_DAP(-4) + 0.288065560219*BG_XDP(-1) + 0.457893617616*BG_XDP(-2) - 0.0592298550086*BG_XDP(-3) - 0.0825034399584*BG_XDP(-4) - 0.214035328226*BG_P(-1) + 0.0498967862003*BG_P(-2) + 0.20031524378*BG_P(-3) - 0.0984309998452*BG_P(-4) + 0.433474614349
9	BG_P = 0.208198430133*BG_DAP(-1) - 0.321628707296*BG_DAP(-2) + 0.523736683798*BG_DAP(-3) - 0.443903618001*BG_DAP(-4) + 0.320380203643*BG_XDP(-1) - 0.541192993452*BG_XDP(-2) + 0.0850854849252*BG_XDP(-3) + 0.0469185872773*BG_XDP(-4) + 0.787959576729*BG_P(-1) - 0.122124532848*BG_P(-2) - 0.244906514692*BG_P(-3) - 0.193950353388*BG_P(-4) + 0.88481139886

10	CY_DAP = 0.411934273698*CY_DAP(-1) + 0.0235229550513*CY_DAP(-2) - 0.254977990449*CY_DAP(-3) - 0.382817914616*CY_XDP(-1) + 0.529448743107*CY_XDP(-2) - 0.204076119124*CY_XDP(-3) + 0.390259944625*CY_P(-1) + 0.380324453155*CY_P(-2) + 0.0777965912032*CY_P(-3) + 0.166792722114
11	CY_XDP = 0.0275086380631*CY_DAP(-1) - 0.0793103228312*CY_DAP(-2) - 0.0644500274326*CY_DAP(-3) + 0.511376012118*CY_XDP(-1) - 0.511838742662*CY_XDP(-2) + 0.271175732916*CY_XDP(-3) - 0.712173637834*CY_P(-1) - 0.881175005384*CY_P(-2) - 0.607887212082*CY_P(-3) + 2.44846830561
12	CY_P = 0.129997377131*CY_DAP(-1) - 0.0062639406967*CY_DAP(-2) - 0.0354774446233*CY_DAP(-3) - 0.137695809599*CY_XDP(-1) + 0.0532901221729*CY_XDP(-2) + 0.0930737437936*CY_XDP(-3) + 0.111342432758*CY_P(-1) + 0.167833275642*CY_P(-2) + 0.117303788306*CY_P(-3) + 0.502273695428
13	CZ_DAP = 0.552612994844*CZ_DAP(-1) + 0.290535380862*CZ_DAP(-2) + 0.274742871885*CZ_DAP(-3) - 0.0163522938383*CZ_DAP(-4) + 0.708854288673*CZ_DAP(-5) - 0.0846964236454*CZ_XDP(-1) - 0.149669495595*CZ_XDP(-2) + 0.231107251662*CZ_XDP(-3) + 0.0731310730433*CZ_XDP(-4) + 0.1558914355*CZ_XDP(-5) - 0.0716151598527*CZ_P(-1) - 0.0154291928153*CZ_P(-2) - 0.2342223754*CZ_P(-3) - 0.146651618492*CZ_P(-4) - 0.149357700867*CZ_P(-5) - 0.296232573673
14	CZ_XDP = - 2.71258407945*CZ_DAP(-1) - 0.330962889094*CZ_DAP(-2) + 1.56910508264*CZ_DAP(-3) + 0.947618862689*CZ_DAP(-4) - 1.72749569257*CZ_DAP(-5) - 0.00112499569564*CZ_XDP(-1) - 0.41523241112*CZ_XDP(-2) - 0.48596803422*CZ_XDP(-3) + 0.630871859616*CZ_XDP(-4) + 0.00158083547713*CZ_XDP(-5) - 0.201504658587*CZ_P(-1) - 0.501056800785*CZ_P(-2) - 0.690837292755*CZ_P(-3) - 0.714496891358*CZ_P(-4) - 0.117917603669*CZ_P(-5) + 5.37122986
15	CZ_P = - 3.08570196294*CZ_DAP(-1) - 0.575989991369*CZ_DAP(-2) + 0.446822960972*CZ_DAP(-3) + 5.35371987911*CZ_DAP(-4) + 1.81800844768*CZ_DAP(-5) - 1.2114818212*CZ_XDP(-1) - 0.130671128131*CZ_XDP(-2) - 0.927018879309*CZ_XDP(-3) + 0.957459581206*CZ_XDP(-4) + 1.77000425778*CZ_XDP(-5) - 0.0194652421647*CZ_P(-1) - 0.586453140578*CZ_P(-2) - 0.98949591761*CZ_P(-3) - 2.15584118393*CZ_P(-4) - 1.31329398215*CZ_P(-5) + 2.19613644667
16	DE_DAP = 0.594719645247*DE_DAP(-1) - 0.12898232374*DE_DAP(-2) - 0.193123255107*DE_DAP(-3) - 0.0756546371128*DE_XDP(-1) - 0.00319193211888*DE_XDP(-2) + 0.0395668240972*DE_XDP(-3) - 0.185625965281*DE_P(-1) - 0.0603923463442*DE_P(-2) - 0.695425562555*DE_P(-3) + 1.64597677436
17	DE_XDP = 0.0404599964891*DE_DAP(-1) + 0.494817327569*DE_DAP(-2) - 1.15569712609*DE_DAP(-3) + 0.63412770744*DE_XDP(-1) - 0.170885937565*DE_XDP(-2) + 0.000929836935307*DE_XDP(-3) + 0.659713733581*DE_P(-1) + 0.310309981185*DE_P(-2) + 0.572414784105*DE_P(-3) - 0.780440091452
18	DE_P = 0.108566367282*DE_DAP(-1) - 0.117084983605*DE_DAP(-2) + 0.458120358425*DE_DAP(-3) + 0.119180428206*DE_XDP(-1) - 0.00267354183432*DE_XDP(-2) + 0.106249169116*DE_XDP(-3) - 0.196180660678*DE_P(-1) - 0.247378733003*DE_P(-2) + 0.181749394965*DE_P(-3) + 0.778447500276
19	DK_DAP = 0.362542045825*DK_DAP(-1) + 0.0308408298633*DK_DAP(-2) - 0.316946744855*DK_DAP(-3) - 0.0158090973418*DK_DAP(-4) - 0.469919371237*DK_DAP(-5) + 0.0899668934566*DK_XDP(-1) - 0.0230931839326*DK_XDP(-2) - 0.0490361048274*DK_XDP(-3) - 0.138050462836*DK_XDP(-4) + 0.0606455556231*DK_XDP(-5) + 1.38044446658
20	DK_XDP = 0.799036569428*DK_DAP(-1) - 1.47972371999*DK_DAP(-2) - 0.17868088855*DK_DAP(-3) + 1.15354010046*DK_DAP(-4) - 0.641348226728*DK_DAP(-5) + 0.34133699194*DK_XDP(-1) - 0.183684150498*DK_XDP(-2) - 0.107669801235*DK_XDP(-3) + 0.149573906854*DK_XDP(-4) + 0.0364051071448*DK_XDP(-5) + 0.57526900962

21	DK_P = - 0.232970976052*DK_P(-1) + 0.681381922524*DK_P(-2) + 0.43638608718*DK_P(-3) - 0.0106958101142*DK_P(-4) - 0.180891678355*DK_P(-5) - 0.0942554740733*DK_P(-6) + 0.0312446774523*DK_P(-7) - 0.0372356783217*DK_P(-8) - 0.206038697522*DK_P(-9) - 0.266749817846*DK_P(-10) + 0.894897054384
22	EE_DAP = 1.14890757261*EE_DAP(-1) + 0.113687722186*EE_DAP(-2) - 0.0683173155699*EE_DAP(-3) + 0.235329357608*EE_DAP(-4) - 0.569345536739*EE_DAP(-5) + 0.689101937898*EE_DAP(-6) + 0.450550291703*EE_XDP(-1) - 0.0416767873216*EE_XDP(-2) - 0.165577976745*EE_XDP(-3) + 0.0895707991795*EE_XDP(-4) + 0.365848773821*EE_XDP(-5) + 0.144870821409*EE_XDP(-6) - 1.10004710192
23	EE_XDP = - 0.466662008916*EE_DAP(-1) - 0.461833416096*EE_DAP(-2) - 0.585864773194*EE_DAP(-3) + 1.02790284639*EE_DAP(-4) - 0.881758029392*EE_DAP(-5) + 0.182180105173*EE_DAP(-6) + 0.387933802612*EE_XDP(-1) - 0.446216896328*EE_XDP(-2) + 0.129758079519*EE_XDP(-3) - 0.475721759407*EE_XDP(-4) + 0.0555249205683*EE_XDP(-5) - 0.344591886673*EE_XDP(-6) + 2.26722669927
24	EE_P = 1.15393782653*EE_P(-1) - 1.08020930345*EE_P(-2) + 0.736563184215*EE_P(-3) - 0.383128736515*EE_P(-4) + 0.222162291882*EE_P(-5) + 0.0865977965802*EE_P(-6) - 0.118693006928*EE_P(-7) + 0.00506279685454*EE_P(-8) + 0.392663613435
25	EL_DAP = 1.19796498045*EL_DAP(-1) - 0.591760906667*EL_DAP(-2) + 0.242369615395*EL_DAP(-3) + 0.107294854006*EL_DAP(-4) - 0.111716780519*EL_DAP(-5) + 0.00807077032941*EL_DAP(-6) - 0.196069878514*EL_DAP(-7) - 0.0418044188918*EL_DAP(-8) + 0.43815390006
26	EL_XDP = 1.44463385701*EL_XDP(-1) - 0.553085940197*EL_XDP(-2) - 0.287579675788*EL_XDP(-3) + 0.40852411355*EL_XDP(-4) + 0.260733074867*EL_XDP(-5) - 0.322534541198*EL_XDP(-6) + 0.00893915217689
27	EL_P = 0.723248120405*EL_P(-1) - 0.224506314653*EL_P(-2) + 0.467069792371*EL_P(-3) - 0.189871523822*EL_P(-4) + 0.135527606181*EL_P(-5) - 0.211070704421*EL_P(-6) - 0.244834448537*EL_P(-7) - 0.144498980603*EL_P(-8) + 0.220284130007*EL_P(-9) + 0.00968131044711*EL_P(-10) + 0.46362253221
28	ES_DAP = 1.09515963605*ES_DAP(-1) - 1.08098039374*ES_DAP(-2) + 0.0148220488841*ES_DAP(-3) - 0.0496058705382*ES_DAP(-4) - 0.518059125993*ES_DAP(-5) + 0.541477619438*ES_DAP(-6) - 1.34121390782*ES_XDP(-1) + 0.742340346434*ES_XDP(-2) - 0.256034445066*ES_XDP(-3) + 0.00757805160491*ES_XDP(-4) + 0.015923237865*ES_XDP(-5) + 0.12036032401*ES_XDP(-6) + 1.19225122806
29	ES_XDP = - 0.468820412093*ES_DAP(-1) - 0.171589561379*ES_DAP(-2) + 0.258724240903*ES_DAP(-3) - 0.244963009742*ES_DAP(-4) + 0.190957962482*ES_DAP(-5) + 0.208985565793*ES_DAP(-6) + 0.792783081832*ES_XDP(-1) - 0.154669862706*ES_XDP(-2) - 0.262930357763*ES_XDP(-3) + 0.280148547869*ES_XDP(-4) + 0.0221080011455*ES_XDP(-5) + 0.119224082797*ES_XDP(-6) + 0.283325705775
30	ES_P = 0.66715925947*ES_P(-1) + 0.331777617995*ES_P(-2) - 0.347973819121*ES_P(-3) - 0.259462354527*ES_P(-4) + 0.526163845413*ES_P(-5) - 0.242458834863*ES_P(-6) + 0.123645544795*ES_P(-7) - 0.33648658656*ES_P(-8) + 0.0227702371985*ES_P(-9) + 0.0481347435211*ES_P(-10) + 0.473177772493
31	FI_DAP = 0.62291339767*FI_DAP(-1) + 0.264641241146*FI_DAP(-2) + 0.242570007525*FI_DAP(-3) - 0.129258999503*FI_DAP(-4) + 0.0937481243204*FI_DAP(-5) + 0.0500795603595*FI_XDP(-1) - 0.0308453777137*FI_XDP(-2) + 0.482965071641*FI_XDP(-3) - 0.108316917862*FI_XDP(-4) + 0.0326075707233*FI_XDP(-5) + 0.256322317237*FI_P(-1) - 0.765630582394*FI_P(-2) + 0.245501314269*FI_P(-3) + 0.421658667688*FI_P(-4) + 0.183532675567*FI_P(-5) - 0.560878303466

32	FI_XDP = - 1.48122849662*FI_DAP(-1) + 0.182915822006*FI_DAP(-2) + 1.46518759785*FI_DAP(-3) + 0.206979996035*FI_DAP(-4) - 1.18066003255*FI_DAP(-5) - 0.310441192772*FI_XDP(-1) + 0.182259192445*FI_XDP(-2) - 0.472762591139*FI_XDP(-3) + 0.0349076201357*FI_XDP(-4) + 0.626706490679*FI_XDP(-5) - 1.65269515315*FI_P(-1) - 0.38422963048*FI_P(-2) - 0.238913693033*FI_P(-3) - 2.2957090287*FI_P(-4) + 0.0602549129487*FI_P(-5) + 5.64068069191
33	FI_P = 0.59046427256*FI_DAP(-1) - 0.362335157004*FI_DAP(-2) - 0.0764388694444*FI_DAP(-3) - 0.160016914967*FI_DAP(-4) + 0.228576910407*FI_DAP(-5) + 0.273638608254*FI_XDP(-1) - 0.16670029946*FI_XDP(-2) - 0.136067766146*FI_XDP(-3) - 0.233227978559*FI_XDP(-4) + 0.361395420274*FI_XDP(-5) + 0.0847278309424*FI_P(-1) - 0.0728756222674*FI_P(-2) + 0.546895296865*FI_P(-3) - 0.6705722707*FI_P(-4) - 0.723511282968*FI_P(-5) + 1.61738194575
34	FR_DAP = 0.338865410917*FR_DAP(-1) + 0.131548024851*FR_DAP(-2) + 1.08109370406*FR_DAP(-3) - 0.623072797078*FR_DAP(-4) - 0.579160493542*FR_DAP(-5) - 0.216143914324*FR_XDP(-1) - 1.234116209*FR_XDP(-2) - 0.365881094428*FR_XDP(-3) + 0.183804939473*FR_XDP(-4) + 0.643804539863*FR_XDP(-5) - 0.172393419*FR_P(-1) + 0.916940547904*FR_P(-2) - 0.529389080036*FR_P(-3) - 1.12719834234*FR_P(-4) - 0.722204788136*FR_P(-5) + 2.52874385017
35	FR_XDP = - 0.0707683363167*FR_DAP(-1) + 0.546091677983*FR_DAP(-2) + 1.68603067559*FR_DAP(-3) - 0.871008001282*FR_DAP(-4) - 1.58314623857*FR_DAP(-5) + 0.038327152623*FR_XDP(-1) - 0.293596822182*FR_XDP(-2) - 1.19034562947*FR_XDP(-3) + 1.33407397002*FR_XDP(-4) + 0.920036470752*FR_XDP(-5) - 0.81057448533*FR_P(-1) - 0.913174413519*FR_P(-2) - 0.169947523291*FR_P(-3) - 2.40566484849*FR_P(-4) - 0.615608246379*FR_P(-5) + 5.30929839449
36	FR_P = 0.110464813892*FR_DAP(-1) + 0.803184032978*FR_DAP(-2) + 0.814092540467*FR_DAP(-3) - 0.743458763155*FR_DAP(-4) - 1.0855367076*FR_DAP(-5) - 0.351582174233*FR_XDP(-1) - 0.289764650543*FR_XDP(-2) - 0.511753396921*FR_XDP(-3) + 0.986239797313*FR_XDP(-4) + 0.669728590887*FR_XDP(-5) - 0.0279128278699*FR_P(-1) - 0.415445451281*FR_P(-2) - 0.52587940889*FR_P(-3) - 1.67222318363*FR_P(-4) - 0.378122390102*FR_P(-5) + 4.06265705939
37	HR_DAP = 1.22233942878*HR_DAP(-1) - 0.676962997195*HR_DAP(-2) + 0.38350930043*HR_DAP(-3) - 0.395675933443*HR_DAP(-4) + 0.372449157352*HR_DAP(-5) - 0.228105599286*HR_DAP(-6) + 0.381273096787
38	HR_XDP = 0.256308271021*HR_XDP(-1) + 0.225801987078*HR_XDP(-2) + 0.127856533137*HR_XDP(-3) + 0.128374722836*HR_XDP(-4) + 0.0576687199429*HR_XDP(-5) + 0.0813474128554*HR_XDP(-6) + 0.0486254992063
39	HR_P = 0.429156607125*HR_P(-1) + 0.342772355703*HR_P(-2) - 0.0931865239256*HR_P(-3) + 0.198188878523*HR_P(-4) - 0.281590135864*HR_P(-5) - 0.0549008614735*HR_P(-6) + 0.469366216929
40	HU_DAP = 1.40802872595*HU_DAP(-1) - 1.43221061581*HU_DAP(-2) + 0.480472692894*HU_DAP(-3) - 0.367174837163*HU_DAP(-4) - 0.537354485667*HU_XDP(-1) + 0.430260203946*HU_XDP(-2) - 0.509326626218*HU_XDP(-3) + 0.172440686065*HU_XDP(-4) + 0.0879917244213*HU_P(-1) - 0.156700219014*HU_P(-2) + 0.00344479007906*HU_P(-3) - 0.160048105182*HU_P(-4) + 1.4411576047
41	HU_XDP = - 0.23431625683*HU_DAP(-1) - 1.49797689654*HU_DAP(-2) + 0.977767808189*HU_DAP(-3) - 0.121862486887*HU_DAP(-4) - 0.279808645155*HU_XDP(-1) + 0.354141045762*HU_XDP(-2) - 0.326327676322*HU_XDP(-3) + 0.261741052302*HU_XDP(-4) - 0.662227434377*HU_P(-1) - 0.827284492174*HU_P(-2) - 0.504984819198*HU_P(-3) - 0.132208291507*HU_P(-4) + 3.76017926454
42	HU_P = 1.01600497642*HU_DAP(-1) + 0.925026314215*HU_DAP(-2) - 0.417469911044*HU_DAP(-3) + 0.344210623863*HU_DAP(-4) + 0.3699982471*HU_XDP(-1) - 0.447562341813*HU_XDP(-2) - 0.0873496432182*HU_XDP(-3) + 0.380338914747*HU_XDP(-4) - 0.112832901444*HU_P(-1) - 0.570629542039*HU_P(-2) - 0.212355118142*HU_P(-3) - 0.827029917635*HU_P(-4) + 0.82054463871

43	IE_DAP = 0.512131338092*IE_DAP(-1) - 0.449295084384*IE_DAP(-2) + 0.00259695387108*IE_DAP(-3) - 0.227789545125*IE_DAP(-4) + 0.126432045784*IE_DAP(-5) + 0.0636047696643*IE_DAP(-6) - 0.236439685442*IE_DAP(-7) + 0.248339390819*IE_DAP(-8) - 0.179992503795*IE_DAP(-9) + 0.532794823894*IE_DAP(-10) + 0.513729311501
44	IE_XDP = 0.635914865417*IE_XDP(-1) + 0.0668377980538*IE_XDP(-2) - 0.378733118868*IE_XDP(-3) + 0.396365314474*IE_XDP(-4) - 0.162010574342*IE_XDP(-5) - 0.17469964958*IE_XDP(-6) + 0.201015450954*IE_XDP(-7) - 0.285704948978*IE_XDP(-8) + 0.358283634088*IE_XDP(-9) + 0.142295679795
45	IE_P = 0.193645566554*IE_P(-1) + 0.0165598626216*IE_P(-2) - 0.146204944551*IE_P(-3) + 0.221611651105*IE_P(-4) + 0.142889967443*IE_P(-5) - 0.337202113793*IE_P(-6) + 0.0236418756096*IE_P(-7) - 0.1488231044*IE_P(-8) + 0.0177145600189*IE_P(-9) + 1.03158892398
46	IT_DAP = 0.933533527669*IT_DAP(-1) - 0.242093099031*IT_DAP(-2) + 0.0765603818115*IT_DAP(-3) - 0.0641629658086*IT_DAP(-4) + 0.19680330808*IT_DAP(-5) - 0.287483403618*IT_DAP(-6) + 0.166657392919*IT_DAP(-7) - 0.353679288231*IT_DAP(-8) + 0.570207223365
47	IT_XDP = 0.876973034846*IT_XDP(-1) + 0.0390691295819*IT_XDP(-2) + 0.0217680820921
48	IT_P = - 0.227195075854*IT_P(-1) - 0.222902114155*IT_P(-2) + 0.0366083019507*IT_P(-3) + 0.45020518121*IT_P(-4) + 0.501871355627*IT_P(-5) - 0.0118510700386*IT_P(-6) + 0.262287634014*IT_P(-7) - 0.252585770155*IT_P(-8) - 0.268038203587*IT_P(-9) + 0.0361312421896*IT_P(-10) + 0.701341677203
49	LT_DAP = - 0.527397171087*LT_DAP(-1) - 1.18613088572*LT_DAP(-2) + 0.0786048611238*LT_DAP(-3) + 0.0887057125978*LT_DAP(-4) + 0.326246205091*LT_DAP(-5) - 1.03021978007*LT_XDP(-1) + 0.123806741817*LT_XDP(-2) + 0.353491019896*LT_XDP(-3) - 0.173255461467*LT_XDP(-4) - 0.329908337229*LT_XDP(-5) + 0.721701624096*LT_P(-1) + 0.196482011839*LT_P(-2) - 0.613405045016*LT_P(-3) - 0.531220471735*LT_P(-4) - 0.245208548972*LT_P(-5) + 3.4750251854
50	LT_XDP = - 1.85199366264*LT_DAP(-1) - 0.510285323578*LT_DAP(-2) + 0.694058913915*LT_DAP(-3) - 0.844709382269*LT_DAP(-4) + 1.58027215355*LT_DAP(-5) + 0.112569418909*LT_XDP(-1) + 0.332831184361*LT_XDP(-2) - 0.612360037926*LT_XDP(-3) + 0.765143457933*LT_XDP(-4) - 0.365723305224*LT_XDP(-5) + 0.80762275588*LT_P(-1) - 0.417822876331*LT_P(-2) - 0.0844851484796*LT_P(-3) - 0.353385944179*LT_P(-4) - 0.442885563016*LT_P(-5) + 1.93959520696
51	LT_P = - 0.471656699693*LT_DAP(-1) - 1.29161969775*LT_DAP(-2) + 0.990930137229*LT_DAP(-3) - 0.558600451604*LT_DAP(-4) + 0.823286635311*LT_DAP(-5) - 0.896964979804*LT_XDP(-1) + 0.497955457954*LT_XDP(-2) - 0.227454820385*LT_XDP(-3) + 0.312405825166*LT_XDP(-4) - 0.268174346052*LT_XDP(-5) + 0.761331654246*LT_P(-1) - 0.197903894399*LT_P(-2) - 0.614008690517*LT_P(-3) - 0.455223093834*LT_P(-4) - 0.293671948476*LT_P(-5) + 2.7249709582
52	LU_DAP = 0.391658303207*LU_DAP(-1) - 0.081446652539*LU_DAP(-2) - 0.413369456801*LU_DAP(-3) + 0.22591736934*LU_DAP(-4) - 0.266124988226*LU_DAP(-5) - 0.0241580626166*LU_DAP(-6) + 0.0202006388565*LU_DAP(-7) - 0.183716152329*LU_DAP(-8) + 0.0105579082885*LU_DAP(-9) - 0.0378723517416*LU_DAP(-10) + 1.5113891849
53	LU_XDP = 1.01253812047*LU_XDP(-1) - 0.301511129362*LU_XDP(-2) + 0.659969909372*LU_XDP(-3) - 0.235077095581*LU_XDP(-4) + 0.16338037124*LU_XDP(-5) - 1.33986759021*LU_P(-1) - 0.163853819293*LU_P(-2) - 0.960388641053*LU_P(-3) - 1.2287245087*LU_P(-4) - 0.800744851925*LU_P(-5) + 4.48276846782
54	LU_P = - 0.0283110425247*LU_XDP(-1) + 0.0489853991195*LU_XDP(-2) + 0.165164931447*LU_XDP(-3) - 0.136713542381*LU_XDP(-4) + 0.290196113688*LU_XDP(-5) - 0.521953819209*LU_P(-1) - 0.32335232711*LU_P(-2) - 0.732140732113*LU_P(-3) - 0.55961359857*LU_P(-4) - 0.605435647352*LU_P(-5) + 3.70990731007

55	LV_DAP = 0.579365322785*LV_DAP(-1) - 0.403328992448*LV_DAP(-2) + 0.0302491193847*LV_DAP(-3) + 0.059996352857*LV_DAP(-4) - 0.562633884452*LV_XDP(-1) + 0.066101520079*LV_XDP(-2) + 0.271322832081*LV_XDP(-3) - 0.286235401014*LV_XDP(-4) - 0.151279182772*LV_P(-1) - 0.190273020981*LV_P(-2) - 0.248681026855*LV_P(-3) - 0.170773875414*LV_P(-4) + 1.81135293199
56	LV_XDP = - 0.573720109308*LV_DAP(-1) + 0.197362156316*LV_DAP(-2) - 0.166513458593*LV_DAP(-3) + 0.608674311398*LV_DAP(-4) + 0.80987210371*LV_XDP(-1) + 0.0348167393058*LV_XDP(-2) + 0.141296046956*LV_XDP(-3) - 0.119944204488*LV_XDP(-4) - 0.0936010211761*LV_P(-1) - 0.103357800814*LV_P(-2) - 0.0409690698379*LV_P(-3) - 0.0215713655601*LV_P(-4) + 0.24727945544
57	LV_P = - 0.259683248481*LV_DAP(-1) - 0.342876771579*LV_DAP(-2) - 0.440185821078*LV_DAP(-3) + 1.54551675755*LV_DAP(-4) - 1.83035683141*LV_XDP(-1) + 1.50578406864*LV_XDP(-2) + 0.672293540439*LV_XDP(-3) - 0.702155067056*LV_XDP(-4) + 0.319574002561*LV_P(-1) - 0.727047868447*LV_P(-2) - 0.381055792836*LV_P(-3) - 0.325739107607*LV_P(-4) + 1.75139705347
58	MT_DAP = 0.626686187281*MT_DAP(-1) + 0.133888054207*MT_DAP(-2) - 0.12057329503*MT_DAP(-3) - 0.234103406535*MT_XDP(-1) + 0.370240756919*MT_XDP(-2) - 0.23235057648*MT_XDP(-3) - 0.0538299510754*MT_P(-1) - 0.0855162455735*MT_P(-2) - 0.548182878746*MT_P(-3) + 1.18289189437
59	MT_XDP = - 0.383443004343*MT_DAP(-1) - 0.291064139142*MT_DAP(-2) - 0.964698517134*MT_DAP(-3) + 0.657110540882*MT_XDP(-1) - 0.722795823732*MT_XDP(-2) + 0.180852947459*MT_XDP(-3) - 0.102361371212*MT_P(-1) + 1.53901657277*MT_P(-2) + 0.117171516724*MT_P(-3) + 0.713187485822
60	MT_P = 0.0574093420646*MT_DAP(-1) - 0.0375408018338*MT_DAP(-2) + 0.0337028885801*MT_DAP(-3) - 0.0300413776517*MT_XDP(-1) + 0.043676010105*MT_XDP(-2) + 0.027729793965*MT_XDP(-3) - 0.00540259197327*MT_P(-1) + 0.210456821625*MT_P(-2) - 0.0871275806997*MT_P(-3) + 0.8210829488
61	NL_DAP = 0.560871292951*NL_DAP(-1) - 0.572970337222*NL_DAP(-2) + 0.204508017283*NL_DAP(-3) - 0.424522393609*NL_DAP(-4) - 0.00801350746814*NL_XDP(-1) - 0.067371822041*NL_XDP(-2) - 0.065588834747*NL_XDP(-3) - 0.0130084973825*NL_XDP(-4) - 0.136829603442*NL_P(-1) + 0.772219179686*NL_P(-2) - 0.0612363830548*NL_P(-3) - 0.291080132794*NL_P(-4) + 0.957236562143
62	NL_XDP = - 3.9580633172*NL_DAP(-1) + 0.424221693881*NL_DAP(-2) - 1.08238882741*NL_DAP(-3) + 0.796636939141*NL_DAP(-4) + 0.0826046317156*NL_XDP(-1) - 0.167477171131*NL_XDP(-2) - 0.0997660842209*NL_XDP(-3) + 0.0625528720797*NL_XDP(-4) - 1.67442164499*NL_P(-1) - 1.83341848156*NL_P(-2) - 1.46529873872*NL_P(-3) - 0.309782101849*NL_P(-4) + 9.67288814937
63	NL_P = - 0.979472172416*NL_DAP(-1) - 0.356525029706*NL_DAP(-2) - 0.272467818441*NL_DAP(-3) - 0.259811247541*NL_DAP(-4) - 0.28778585215*NL_XDP(-1) + 0.104644768163*NL_XDP(-2) - 0.321371011099*NL_XDP(-3) + 0.0861706084074*NL_XDP(-4) + 0.903771461497*NL_P(-1) - 0.950937618105*NL_P(-2) + 0.428459518355*NL_P(-3) - 1.00240727925*NL_P(-4) + 3.66163084021
64	PL_DAP = 0.447270056834*PL_DAP(-1) - 0.48441913483*PL_DAP(-2) + 0.101069964386*PL_DAP(-3) - 0.188125709387*PL_DAP(-4) - 0.223077521591*PL_XDP(-1) + 0.0248612390576*PL_XDP(-2) - 0.398581291272*PL_XDP(-3) + 0.235283028659*PL_XDP(-4) + 0.016022490466*PL_P(-1) + 0.0669802650484*PL_P(-2) + 0.0297429798777*PL_P(-3) - 0.0135490455632*PL_P(-4) + 1.18349929328
65	PL_XDP = - 0.20465368732*PL_DAP(-1) - 0.341748138452*PL_DAP(-2) + 0.0107666413312*PL_DAP(-3) + 0.556322631274*PL_DAP(-4) + 0.271177585537*PL_XDP(-1) + 0.493694451274*PL_XDP(-2) + 0.217644049351*PL_XDP(-3) - 0.120938789754*PL_XDP(-4) - 0.134158163846*PL_P(-1) - 0.111054125746*PL_P(-2) - 0.0418025260766*PL_P(-3) - 0.0582862173693*PL_P(-4) + 0.393288561285
66	PL_P = 0.815044301191*PL_DAP(-1) + 1.56022539481*PL_DAP(-2) + 0.229021867435*PL_DAP(-3) - 2.00608701864*PL_DAP(-4) + 1.65635519628*PL_XDP(-1) - 0.865251866513*PL_XDP(-2) - 2.5455383941*PL_XDP(-3) + 1.70787425889*PL_XDP(-4) - 0.296115288961*PL_P(-1) - 0.276802146666*PL_P(-2) - 0.34818102405*PL_P(-3) - 0.447573943158*PL_P(-4) + 1.83129279536

67	PT_DAP = 0.841995489907*PT_DAP(-1) - 0.349843365612*PT_DAP(-2) - 0.159306534476*PT_DAP(-3) - 0.46473419509*PT_XDP(-1) + 0.443286193182*PT_XDP(-2) - 0.253837225409*PT_XDP(-3) + 0.146016551246*PT_P(-1) + 0.0157078415109*PT_P(-2) + 0.21754440986*PT_P(-3) + 0.408141516771
68	PT_XDP = - 0.488689033627*PT_DAP(-1) + 0.489895433572*PT_DAP(-2) - 0.342694471729*PT_DAP(-3) + 0.903625664434*PT_XDP(-1) - 0.778041656629*PT_XDP(-2) + 0.417080091683*PT_XDP(-3) - 0.154326372551*PT_P(-1) - 0.588084414023*PT_P(-2) - 0.339740316074*PT_P(-3) + 1.58992766917
69	PT_P = - 0.0163710578427*PT_DAP(-1) - 0.172705284474*PT_DAP(-2) - 0.203383527044*PT_DAP(-3) - 0.120988815017*PT_XDP(-1) + 0.202428040957*PT_XDP(-2) - 0.357709636476*PT_XDP(-3) + 0.41643278214*PT_P(-1) + 0.313364662427*PT_P(-2) + 0.0104436257958*PT_P(-3) + 0.757911972837
70	RO_DAP = 0.960115729013*RO_DAP(-1) - 0.104664823693*RO_DAP(-2) + 0.146624728313*RO_DAP(-3) - 0.324553176329*RO_DAP(-4) - 0.194729948508*RO_XDP(-1) - 0.329781762103*RO_XDP(-2) - 0.308991029148*RO_XDP(-3) + 0.327799196415*RO_XDP(-4) + 0.0813443827612*RO_P(-1) - 0.13902300999*RO_P(-2) - 0.175058356384*RO_P(-3) - 0.193915617925*RO_P(-4) + 0.958932245275
71	RO_XDP = - 0.248506255799*RO_DAP(-1) - 0.2600859098*RO_DAP(-2) + 0.10437879452*RO_DAP(-3) + 0.200095605843*RO_DAP(-4) - 0.0237317650626*RO_XDP(-1) + 0.450184729665*RO_XDP(-2) + 0.143628792183*RO_XDP(-3) - 0.244548326618*RO_XDP(-4) - 0.144747557368*RO_P(-1) - 0.125530368276*RO_P(-2) - 0.00770766529481*RO_P(-3) + 0.0332508131323*RO_P(-4) + 0.685430270783
72	RO_P = 1.88311272902*RO_DAP(-1) - 1.27484457769*RO_DAP(-2) + 0.792649053901*RO_DAP(-3) - 0.616010928426*RO_DAP(-4) - 2.7617750079*RO_XDP(-1) - 1.53295529377*RO_XDP(-2) + 1.10712791335*RO_XDP(-3) + 0.0556010366397*RO_XDP(-4) - 0.195584512185*RO_P(-1) - 0.859763557564*RO_P(-2) - 1.03622654997*RO_P(-3) - 0.920407283418*RO_P(-4) + 4.34749545948
73	SE_DAP = 0.840293469462*SE_DAP(-1) + 0.703579649135*SE_DAP(-2) - 0.598795512991*SE_DAP(-3) - 0.0594621772492*SE_XDP(-1) + 0.116673045252*SE_XDP(-2) - 0.074523921959*SE_XDP(-3) + 0.0482599378591*SE_P(-1) - 0.0149560900805*SE_P(-2) + 0.0171417754516*SE_P(-3) + 0.00892987302078
74	SE_XDP = - 0.605622128968*SE_DAP(-1) - 1.78035079549*SE_DAP(-2) + 2.47283130611*SE_DAP(-3) + 0.673091830645*SE_XDP(-1) + 0.535096912361*SE_XDP(-2) - 0.230423389864*SE_XDP(-3) - 0.00267569789735*SE_P(-1) - 0.227020402163*SE_P(-2) - 0.162181080807*SE_P(-3) + 0.328875460722
75	SE_P = - 2.55178579572*SE_DAP(-1) - 0.809580390865*SE_DAP(-2) + 4.03729319263*SE_DAP(-3) - 1.03843652978*SE_XDP(-1) + 2.85723877075*SE_XDP(-2) - 0.831323080238*SE_XDP(-3) + 0.257518614555*SE_P(-1) - 0.589053592787*SE_P(-2) - 0.199051034251*SE_P(-3) + 0.608006595081
76	SI_DAP = - 0.121886653608*SI_DAP(-1) - 0.0696003518127*SI_DAP(-2) + 0.140004395377*SI_DAP(-3) - 0.243099163053*SI_DAP(-4) + 0.221231758356*SI_XDP(-1) - 0.0557243824479*SI_XDP(-2) - 0.307640032648*SI_XDP(-3) - 0.110997028796*SI_XDP(-4) + 0.45761067578*SI_P(-1) + 1.18870099812*SI_P(-2) + 0.625776094164*SI_P(-3) + 0.115413647727*SI_P(-4) - 0.993983861326
77	SI_XDP = - 2.4456336758*SI_DAP(-1) + 0.133528783124*SI_DAP(-2) + 0.564956261088*SI_DAP(-3) - 0.638678854883*SI_DAP(-4) + 0.991543730341*SI_XDP(-1) + 0.492772802395*SI_XDP(-2) - 0.759807858698*SI_XDP(-3) - 0.24699963732*SI_XDP(-4) - 1.33052577095*SI_P(-1) + 1.97920478103*SI_P(-2) + 2.40883996139*SI_P(-3) + 0.115453236321*SI_P(-4) - 0.520469318955
78	SI_P = 0.129911762515*SI_DAP(-1) + 0.00248798495733*SI_DAP(-2) - 0.159459007917*SI_DAP(-3) - 0.0848124991326*SI_DAP(-4) + 0.242605457757*SI_XDP(-1) - 0.332897469377*SI_XDP(-2) + 0.209046427251*SI_XDP(-3) - 0.160145029572*SI_XDP(-4) + 0.73699499259*SI_P(-1) - 0.313689376631*SI_P(-2) - 0.0906079899372*SI_P(-3) + 0.175568272189*SI_P(-4) + 0.633588462024

79	SK_DAP = - 0.686143770378*SK_DAP(-1) + 0.741748662029*SK_DAP(-2) - 0.283426745009*SK_DAP(-3) + 0.633561580041*SK_DAP(-4) + 0.357897282006*SK_XDP(-1) - 0.913854602457*SK_XDP(-2) + 0.102162535662*SK_XDP(-3) + 0.432830545382*SK_XDP(-4) + 0.657273816546*SK_P(-1) + 0.375371208623*SK_P(-2) - 0.330955053473*SK_P(-3) - 0.707157039661*SK_P(-4) + 0.624004169552
80	SK_XDP = - 1.94606982098*SK_DAP(-1) + 0.360308304982*SK_DAP(-2) - 1.26094313686*SK_DAP(-3) + 0.195807424281*SK_DAP(-4) + 1.03991734327*SK_XDP(-1) - 0.81509199728*SK_XDP(-2) - 0.550971797652*SK_XDP(-3) + 0.435578697086*SK_XDP(-4) + 0.184512109887*SK_P(-1) + 0.278624304895*SK_P(-2) + 0.552551954138*SK_P(-3) - 0.67719818233*SK_P(-4) + 3.01146707867
81	SK_P = - 0.350716831483*SK_DAP(-1) + 1.52128878451*SK_DAP(-2) + 0.151454229013*SK_DAP(-3) + 0.370836748452*SK_DAP(-4) + 0.71191462327*SK_XDP(-1) - 0.576700828604*SK_XDP(-2) - 0.118536047051*SK_XDP(-3) + 0.448031354377*SK_XDP(-4) + 0.227978236057*SK_P(-1) + 0.410781845099*SK_P(-2) + 0.0435870028777*SK_P(-3) - 0.628296708826*SK_P(-4) - 1.07952851491
82	UK_DAP = 0.160772372644*UK_DAP(-1) + 0.470311927079*UK_DAP(-2) - 0.514536974587*UK_DAP(-3) + 0.805762455889*UK_DAP(-4) + 0.316753887543*UK_DAP(-5) - 0.083239672233*UK_XDP(-1) - 0.216355045606*UK_XDP(-2) - 0.575147862909*UK_XDP(-3) + 0.181121741792*UK_XDP(-4) - 0.463572633219*UK_XDP(-5) + 0.0640598841989*UK_P(-1) + 0.0616669457331*UK_P(-2) + 0.0457439739953*UK_P(-3) + 0.0777523480606*UK_P(-4) + 0.142620183313*UK_P(-5) - 0.452647339074
83	UK_XDP = 0.769311287188*UK_DAP(-1) - 0.130249434607*UK_DAP(-2) - 0.0332376198278*UK_DAP(-3) - 0.491336517004*UK_DAP(-4) - 0.127481758937*UK_DAP(-5) + 0.412278792762*UK_XDP(-1) + 0.455517483906*UK_XDP(-2) + 0.205294702553*UK_XDP(-3) + 0.0261362047187*UK_XDP(-4) + 0.481846857554*UK_XDP(-5) - 0.0537600103917*UK_P(-1) - 0.0675157140111*UK_P(-2) - 0.1774749666*UK_P(-3) - 0.0412519755779*UK_P(-4) - 0.112610404079*UK_P(-5) + 0.371939002505
84	UK_P = - 5.99266757028*UK_DAP(-1) - 1.78328288857*UK_DAP(-2) + 1.98264927873*UK_DAP(-3) - 0.558763705608*UK_DAP(-4) + 2.16285737046*UK_DAP(-5) + 1.56564642665*UK_XDP(-1) + 1.45972940565*UK_XDP(-2) - 2.31542504877*UK_XDP(-3) + 1.31863174543*UK_XDP(-4) + 3.82722278556*UK_XDP(-5) - 0.735242312297*UK_P(-1) - 0.576836609991*UK_P(-2) - 0.499383024403*UK_P(-3) - 0.543974422908*UK_P(-4) - 0.589411966676*UK_P(-5) + 7.48619647805
85	EU_DAP = 0.917297616205*EU_DAP(-1) - 0.060535072281*EU_DAP(-2) - 0.0988459251356*EU_DAP(-3) + 0.0691344513613*EU_DAP(-4) - 0.240369497028*EU_DAP(-5) + 0.0245350258727*EU_DAP(-6) + 0.389398831771
86	EU_XDP = 0.354359929384*EU_XDP(-1) + 0.131176239697*EU_XDP(-2) + 0.0194199408578*EU_XDP(-3) + 0.171585936993*EU_XDP(-4) + 0.236519641756*EU_XDP(-5) - 6.32176934714*EU_SWP2(-1) + 1.49741212053*EU_SWP2(-2) + 5.23333085528*EU_SWP2(-3) + 1.22335524768*EU_SWP2(-4) + 1.96265872316*EU_SWP2(-5) + 0.0327434634702
87	EU_SWP2 = 0.0163750371156*EU_XDP(-1) + 0.00895759177514*EU_XDP(-2) - 0.020268867111*EU_XDP(-3) + 0.00516940236989*EU_XDP(-4) - 0.0182109461924*EU_XDP(-5) + 0.273514367074*EU_SWP2(-1) - 0.150902547072*EU_SWP2(-2) - 0.0172062808434*EU_SWP2(-3) - 0.350847407116*EU_SWP2(-4) - 0.183496414932*EU_SWP2(-5) + 0.0037049400742
88	EU_P = - 0.0212165520006*EU_P(-1) - 0.286410683683*EU_P(-2) - 0.220742092385*EU_P(-3) - 0.15792350506*EU_P(-4) + 0.294372684627*EU_P(-5) - 0.144258364799*EU_P(-6) + 0.227020267027*EU_P(-7) + 0.492043128889*EU_P(-8) - 0.196203003603*EU_P(-9) + 1.02465290732