

Model: AFRI Equation terms, first equation matrix row, and sample equation for the banked equation group - CMKevar

CMKxs CMK exports

export supply	com. mk. supply
<b>xs</b>	!xs :ROWxs )
<b>ANIML</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAxsl:ROWxs|)

CMKmd CMK imports

import supply	com. mk. demand
<b>md</b>	!md :ROWmd )
<b>ANIML</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAmdd:ROWmd|)

CMKnt CMK net trade

CMK net trade	+ exports	-imports
<b>nt</b>	!xs	!md
<b>ANIML</b>	-	-

constant +!xs| -!md|

CMKcp CMK base import weighted competitiveness index

CMK compet.	im. wtd. cp
<b>cp</b>	0001+!bm )
<b>ANIML</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAcpl:ROWcp|)/(0.000001+!bm|)

CMKtc estimate/set CMK tariff

CMK tariff	either im. wtd. tar.	or set com. tariff
<b>tc</b>	!ta	+#
<b>ANIML</b>	-	

constant +!ta| +#

tc is either the average tariff of common market members or a tariff set by the user for each product group

CMKth CMK simple average tariff

CMK high tariff	simple avg. tar.
<b>th</b>	0001+!cmm)
<b>ANIML</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAtm|:ROWtm|)/(0.000001+!cmm)

CMKta CMK import weighted average tariff

CMK avg. tariff	im. wtd. average
<b>ta</b>	0001+!bm )
<b>ANIML</b>	-

ta is the import weighted average tariff of common market members

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAtm|:ROWtm|)/(0.000001+!bm|)

CMKtl CMK (import + export) weighted import tariff

CMK low tariff	exp.+imp. wt. avg.
<b>tl</b>	+!bm +!bx )
<b>ANIML</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAtm|:ROWtm|)/(0.000001+!bm|+!bx|)

CMKbx CMK base exports

CMK base ex.	sum base exports
<b>bx</b>	:ROWbx )
<b>ANIML</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbx|:ROWbx|)

CMKbm CMK base imports

CMK base im.	sum base imports
<b>bm</b>	:ROWbm )
<b>ANIML</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|)

CMKbi CMK base import weighted average import price

CMK im. price	CMK avg. bi
<b>bi</b>	0001+!bm )
<b>ANIML</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAbi|:ROWbi|)/(0.000001+!bm|)

CMKbt CMK base import weighted tariff

CMK base ta.	sum imp. wt. tar.
<b>bt</b>	0001+!bm )
<b>ANIML</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAbt|:ROWbt|)/(0.000001+!bm|)

CMKcmm count CMK members

CMK count	sum cmm
<b>cmm</b>	ROWcmm)
<b>cmm</b>	-

constant +SUM(USAcmm:ROWcmm)

CMKxrt CMK average exchange rate

av. exch. rate	average xrt
<b>xrt</b>	001+!cmm)
<b>xrt</b>	-

constant +SUMPRODUCT(USAxrt:ROWxrt,USAcmm:ROWcmm)/(0.000001+!cmm)

CMKcfl CMK capital flow

CMK capital fl.	sum cap. Flow
<b>cfl</b>	cfl:ROWcfl)
<b>cfl</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAcfl:ROWcfl)

CMKbop CMK balance of payments

CMK bal. of pay.	sum bop
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<b>bop</b>	:ROWbop)
<b>bop</b>	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbop:ROWbop)