

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

CMKtm CMK tariff default (CMK base import weighted average tariff) OR tariff entered by user

CMK import tax	default CMK tar.	user CMK tar.
<b>tm</b>	0001+!bm )	+#
<b>ALIVE</b>	-	

The default common market tariff for members is the import weighted average of their existing tariffs.

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

CMKxs CMK exports

export supply	com. mk. supply
<b>xs</b>	s :ROWxs )
<b>ALIVE</b>	-

Common market export supply and import demand sum supply and demand for common market members (by using the cmm variable in a SUMPRODUCT equation - an Excel function).

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

CMKmd CMK imports

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

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

CMKnt CMK net trade

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

constant +!xs| -!md|

CMKbx CMK base exports

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

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

CMKbm CMK base imports

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

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

CMKcmm count CMK members

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

constant +SUM(USAcmm:ROWcmm)