Synchronization of the number of slaughtered animals

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## Methodology

Suppose we have the following table, where all numbers represent the number of animals slaughtered under each particular commodity:

|  |  |  |
| --- | --- | --- |
| commodity | value | flag |
| Cattle | 1000 |  |
| Meat of Cattle | 950 | C |
| Offals of Cattle | 0 | M |
| Hides and Skins of Cattle | 1000 | C |
| Fat of Cattle | 0 | M |

The "Synchronized Slaughtered" R module can be used to synchronize the values across all these commodities. For example, suppose this country has a shares table like below:

|  |  |  |
| --- | --- | --- |
| parent | child | share |
| Cattle | Meat | 85 |
| Cattle | Offals | 100 |
| Cattle | Hides and Skins | 100 |
| Cattle | Fat | 0 |

Then, the table becomes

|  |  |  |
| --- | --- | --- |
| commodity | value | flag |
| Cattle | 1000 |  |
| Meat of Cattle | 850 |  |
| Offals of Cattle | 1000 |  |
| Hides and Skins of Cattle | 1000 |  |
| Fat of Cattle | 0 | M |

In other words, if the animal number is not missing and if a non-zero share exists then the value and flags for animals slaughtered of the animal commodity is copied to the product(s). In the case of missing data for the number of animals slaughtered under the animal element, nothing is done. For example, the following table will not be adjusted by the module:

|  |  |  |
| --- | --- | --- |
| commodity | value | flag |
| Cattle | 0 | M |
| Meat of Cattle | 950 | C |
| Offals of Cattle | 0 | M |
| Hides and Skins of Cattle | 1000 | C |
| Fat of Cattle | 0 | M |

## Reference Table

Below is a reference table containing the commodities and element codes used by this module (as provided by Tomasz, but converted into CPC using the current mapping table).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Parent CPC | Parent Item | Parent Element | Child CPC | Child Item | Child Element |
| 02111 | Cattle | 5315 | 21111.01 | Beef and Veal | 5320 |
| 02111 |  | 5315 | 21151 | Offals of Cattle, Edible | 5320 |
| 02111 |  | 5315 | 21512 | Fat of Cattle | 5320 |
| 02111 |  | 5315 | 02951.01 | Cattle Hides, Fresh | 5320 |
| 02112 | Buffaloes | 5315 | 21112 | Buffalo Meat | 5320 |
| 02112 |  | 5315 | 21152 | Offals of Buffalo,Edible | 5320 |
| 02112 |  | 5315 | 21513 | Fat of Buffalo | 5320 |
| 02112 |  | 5315 | 02951.03 | Buffalo Hides, Fresh | 5320 |
| 02122 | Sheep | 5315 | 21115 | Mutton and Lamb | 5320 |
| 02122 |  | 5315 | 21155 | Offals of Sheep, Edible | 5320 |
| 02122 |  | 5315 | 21514 | Fat of Sheep | 5320 |
| 02122 |  | 5315 | 02953 | Sheepskins, Fresh | 5320 |
| 02123 | Goats | 5315 | 21116 | Goat Meat | 5320 |
| 02123 |  | 5315 | 21156 | Offals of Goats, Edible | 5320 |
| 02123 |  | 5315 | 21515 | Fat of Goats | 5320 |
| 02123 |  | 5315 | 02954 | Goatskins, Fresh | 5320 |
| 02140 | Pigs | 5315 | 21113.01 | Pigmeat | 5320 |
| 02140 |  | 5315 | 21153 | Offals of Pigs, Edible | 5320 |
| 02140 |  | 5315 | 21511.01 | Fat of Pigs | 5320 |
| 02140 |  | 5315 | 02959.01 | Pigskins, Fresh | 5320 |
| 02151 | Chickens | 5316 | 21121 | Chicken Meat | 5321 |
| 02151 |  | 5316 | 21160.01 | Offals Liver of Chickens | 5321 |
| 02154 | Ducks | 5316 | 21122 | Duck Meat | 5321 |
| 02154 |  | 5316 | 21160.03 | Offals Liver Ducks | 5321 |
| 02153 | Geese | 5316 | 21123 | Goose Meat | 5321 |
| 02153 |  | 5316 | 21160.02 | Offals Liver Geese | 5321 |
| 02152 | Turkeys | 5316 | 21124 | Turkey Meat | 5321 |
| 02152 |  | 5316 | 21160.04 | Offals Liver Turkeys | 5321 |
| 02131 | Horses | 5315 | 21118.01 | Horsemeat | 5320 |
| 02131 |  | 5315 | 21159.01 | Offals of Horse | 5320 |
| 02131 |  | 5315 | 02952.01 | Horse Hides, Fresh | 5320 |
| 02132 | Asses | 5315 | 21118.02 | Meat of Asses | 5320 |
| 02132 |  | 5315 | 02952.02 | Hides of Asses Fresh | 5320 |
| 02133 | Mules | 5315 | 21118.03 | Meat of Mules | 5320 |
| 02133 |  | 5315 | 02952.03 | Hides of Mules Fresh | 5320 |
| 02121.01 | Camels | 5315 | 21117.01 | Meat of Camels | 5320 |
| 02121.01 |  | 5315 | 21159.02 | Offals of Camel, Edible | 5320 |
| 02121.01 |  | 5315 | 21519.02 | Fat of Camels | 5320 |
| 02121.01 |  | 5315 | 02959.02 | Camel Hides, Fresh | 5320 |
| 02191 | Rabbits | 5316 | 21114 | Rabbit Meat | 5321 |
| 02191 |  | 5316 | 02955.02 | Rabbit Skins | 5321 |
| 02192.01 | Other Rodents | 5316 | 21119.01 | Meat of Other Rodents | 5321 |
| 02121.02 | Other Camelids | 5315 | 21117.02 | Meat of Other Camelids | 5320 |
| 02121.02 |  | 5315 | 21519.03 | Fat of Other Camelids | 5320 |