

2.3

Clarification on the functioning of the executable
Addition of information on using JAVA.

3.4.2

Clarification of the case where $k=-1$.

3.4.4

Explanation added for the definition of $ha(i,k)$ in the case where outage of cycle k at plant i is unscheduled.

CT5, CT6, CT10,CT12

N.B. Added to clarify the case where $k = -1$

CT6

A slight modification to avoid problems with precision:

$$\begin{array}{l} \dots \\ \text{if } x(i,t,s) \geq (1-\varepsilon)(PB_{i,k}(x(i,t,s)) \times PMAX_i^t) \times D^t \\ \dots \end{array}$$

becomes

$$\begin{array}{l} \dots \\ \text{if } x(i,t,s) \geq (PB_{i,k}(x(i,t,s)) \times PMAX_i^t) \times D^t \\ \dots \end{array}$$

CT10

Indexing incoherence corrected:

$$x(i,t+1,s) = ((Q_{i,k}-1)/Q_{i,k})(x(i,t,s) - BO_{i,k}) + r(i,k) + BO_{i,k+1}$$

becomes

$$x(i,t+1,s) = ((Q_{i,k}-1)/Q_{i,k})(x(i,t,s) - BO_{i,k-1}) + r(i,k) + BO_{i,k}$$

CT9,CT10

Clarification the constraint names, “fuel variation” becomes “fuel stock variation”.

CT13

N.B. modified to clarify the case where one of the sides is undefined or an outage is unscheduled.

CT14-18

Simplification in condition:

$$\forall (i,k), (i',k') \in A_m \times A_m, (i',k') \neq (i,k), \quad \text{and } \boxed{\forall i, i' \in A_m, i \neq i', \forall k, k', k \neq k'} \quad (\text{for CT14})$$

become

$$\forall i, i' \in A_m, i \neq i', \forall k, k',$$
$$\left((ha(i, k) \neq -1) \wedge (ha(i', k') \neq -1) \right) \dots$$

This change was made because, in reality, these constraints apply only on outages of different plants, not the same plant. Also it makes it clear that if an outage is unscheduled ($ha(i, k) = -1$) for a cycle k at plant i the constraint does not apply on this outage.

3.4.5

Indexing incoherence corrected: T+1 becomes T (time horizon is defined as 0 to T-1, therefore residual stock has to be computed with T).

4.1.2

Indexes in the input file clarified

First N.B. modified to make it coherent with the modification of CT10 and the data

4.2

Indexes in the output file clarified.

Clarification of the fuel_variation data.