

**DeclareAlgebra** [**CU**, **Generators**  $\rightarrow$  {**y**, **a**, **x**}, **Centrals**  $\rightarrow$  {**t**}];

**B** [**a<sub>CU</sub>**, **y<sub>CU</sub>**] =  $-\gamma$  **y<sub>CU</sub>**; **B** [**x<sub>CU</sub>**, **a<sub>CU</sub>**] =  $-\gamma$  **x<sub>CU</sub>**;

**B** [**x<sub>CU</sub>**, **y<sub>CU</sub>**] =  $2 \in$  **a<sub>CU</sub>** - **t** **1<sub>CU</sub>**;

(**S**@**y<sub>CU</sub>** =  $-\mathbf{y}_{\text{CU}}$ ; **S**@**a<sub>CU</sub>** =  $-\mathbf{a}_{\text{CU}}$ ; **S**@**x<sub>CU</sub>** =  $-\mathbf{x}_{\text{CU}}$ );

**S<sub>i\_</sub>** [**CU**, **Centrals**] = {**t<sub>i</sub>**  $\rightarrow$   $-\mathbf{t}_i$ };

**$\Delta$** @**y<sub>CU</sub>** = **CU**@**y<sub>1</sub>** + **CU**@**y<sub>2</sub>**;  **$\Delta$** @**a<sub>CU</sub>** = **CU**@**a<sub>1</sub>** + **CU**@**a<sub>2</sub>**;

**$\Delta$** @**x<sub>CU</sub>** = **CU**@**x<sub>1</sub>** + **CU**@**x<sub>2</sub>**;

**$\Delta_{i_ \rightarrow j_ , k_}$**  [**CU**, **Centrals**] = {**t<sub>i</sub>**  $\rightarrow$  **t<sub>j</sub>** + **t<sub>k</sub>**};