

Formality Algorithm

How is it achieved?
 The elements of the algebra are arranged in a suitable order. We can describe it as the following algorithm.
Formality Algorithm
 Element x is called an **algebraic element** (i.e. $x \in A$) iff x is a polynomial in the variables x_1, \dots, x_n .

Formal Formality Algorithm

x_1	x_1	x_1	x_1
x_2	x_2	x_2	x_2
x_3	x_3	x_3	x_3
x_4	x_4	x_4	x_4
x_5	x_5	x_5	x_5
x_6	x_6	x_6	x_6
x_7	x_7	x_7	x_7
x_8	x_8	x_8	x_8
x_9	x_9	x_9	x_9
x_{10}	x_{10}	x_{10}	x_{10}
x_{11}	x_{11}	x_{11}	x_{11}
x_{12}	x_{12}	x_{12}	x_{12}
x_{13}	x_{13}	x_{13}	x_{13}
x_{14}	x_{14}	x_{14}	x_{14}
x_{15}	x_{15}	x_{15}	x_{15}
x_{16}	x_{16}	x_{16}	x_{16}
x_{17}	x_{17}	x_{17}	x_{17}
x_{18}	x_{18}	x_{18}	x_{18}
x_{19}	x_{19}	x_{19}	x_{19}
x_{20}	x_{20}	x_{20}	x_{20}
x_{21}	x_{21}	x_{21}	x_{21}
x_{22}	x_{22}	x_{22}	x_{22}
x_{23}	x_{23}	x_{23}	x_{23}
x_{24}	x_{24}	x_{24}	x_{24}
x_{25}	x_{25}	x_{25}	x_{25}
x_{26}	x_{26}	x_{26}	x_{26}
x_{27}	x_{27}	x_{27}	x_{27}
x_{28}	x_{28}	x_{28}	x_{28}
x_{29}	x_{29}	x_{29}	x_{29}
x_{30}	x_{30}	x_{30}	x_{30}