We introduce the structure constants of ${\rm sl2}$ We show the Killing-Cartan metric

and its determinant
-512.0

There are 0 semigroups of order 2 with zero element and at least one resonant decomposition.

In total, there are 0 different resonant decompositions.

And 0 of them leads to a semisimple algebra.

There are 0 semigroups with zero element, having more than one resonance and leading to semisimple algebras with all those resonances.