

The six generator nilpotent Lie algebras with immediate descendants of dimension 8

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$$\langle a, b, c, d, e, f \mid \text{class } 1 \rangle \tag{6.1}$$

$$\langle a, b \mid \text{class } 2 \rangle \oplus \langle c \rangle \oplus \langle d \rangle \oplus \langle e \rangle \oplus \langle f \rangle, \tag{7.2}$$