THE CENTER OF HECKE-CLIFFORD SUPERALGERA

Got 8 basis.

Got basis 1: 1,

Got basis 2: T_1 ,

Got basis 3: c_1 ,

Got basis 4: c_2 ,

Got basis 5: T_1c_1 ,

Got basis 6: c_1c_2 ,

Got basis 7: T_1c_2 ,

Got basis 8: $T_1c_1c_2$,

Assume z is in center, and

$$z = a_1 + a_2T_1 + a_3c_1 + a_4c_2 + a_5T_1c_1 + a_6c_1c_2 + a_7T_1c_2 + a_8T_1c_1c_2$$

Round 2, Calculating $T_1z=zT_1$, We got 8 equations .

Totally 2 solutions, dup count: 0.

$$a_8 = 0$$

$$a_6 = 0$$

Center:

$$z = a_1 + a_2 T_1 + a_3 c_1 + a_4 c_2 + a_5 T_1 c_1 + a_7 T_1 c_2$$

Round 3, Calculating $c_1z=zc_1,$ We got 5 equations .

Totally 3 solutions, dup count: 0.

$$a_8 = 0$$

$$a_6 = 0$$

$$a_2 = 0$$

Center:

$$z = a_1 + a_3c_1 + a_4c_2 + a_5T_1c_1 + a_7T_1c_2$$

Round 4, Calculating $c_2z = zc_2$, We got 5 equations.

Totally 4 solutions, dup count: 0.

$$a_8 = 0$$

$$a_6 = 0$$

$$a_2 = 0$$

$$a_3 = 0$$

Center:

$$z = a_1 + a_4 c_2 + a_5 T_1 c_1 + a_7 T_1 c_2$$

Round 5, Calculating $T_1c_1z=zT_1c_1$, We got 5 equations . Totally 5 solutions, dup count: 0.

$$a_8 = 0$$
 $a_6 = 0$
 $a_2 = 0$
 $a_3 = 0$
 $a_4 = a_7 - qa_7$

Center:

$$z = a_1 + a_7 c_2 - q a_7 c_2 + a_5 T_1 c_1 + a_7 T_1 c_2$$

Round 6, Calculating $c_1c_2z=zc_1c_2$, We got 4 equations . Totally 6 solutions, dup count: 0.

$$a_8 = 0$$
 $a_6 = 0$
 $a_2 = 0$
 $a_3 = 0$
 $a_4 = a_7 - qa_7$
 $a_5 = a_7$

Center:

$$z = a_1 + a_7 c_2 - q a_7 c_2 + a_7 T_1 c_1 + a_7 T_1 c_2$$

Round 7, Calculating $T_1c_2z=zT_1c_2$, We got 5 equations . Totally 6 solutions, dup count: 1.

$$a_8 = 0$$
 $a_6 = 0$
 $a_2 = 0$
 $a_3 = 0$
 $a_4 = a_7 - qa_7$
 $a_5 = a_7$

Center:

$$z = a_1 + a_7 c_2 - q a_7 c_2 + a_7 T_1 c_1 + a_7 T_1 c_2$$

Round 8, Calculating $T_1c_1c_2z=zT_1c_1c_2$, We got 5 equations . Totally 6 solutions, dup count: 2.

$$a_8 = 0$$
 $a_6 = 0$
 $a_2 = 0$
 $a_3 = 0$
 $a_4 = a_7 - qa_7$
 $a_5 = a_7$

Center:

$$z = a_1 + a_7 c_2 - q a_7 c_2 + a_7 T_1 c_1 + a_7 T_1 c_2$$

Solved, Totally 6 solutions.

$$a_8 = 0$$
 $a_6 = 0$
 $a_2 = 0$
 $a_3 = 0$
 $a_4 = a_7 - qa_7$
 $a_5 = a_7$

Center:

$$z = a_1 + a_7 c_2 - q a_7 c_2 + a_7 T_1 c_1 + a_7 T_1 c_2$$

Center:

$$z = 1 \cdot a_1 + (T_1c_1 + T_1c_2 + c_2 - qc_2) \cdot a_7$$