All possible hubbard term of four state in Fock representation

```
term: (0, 0) mat_elmt: ( 1,  1),  1
term: (0, 0) mat_elmt: ( 3,  3),  1
term: (0, 0) mat_elmt: ( 5,  5),  1
term: (0, 0) mat_elmt: ( 7,  7),  1
term: (0, 0) mat_elmt: ( 9,  9),  1
term: (0, 0) mat_elmt: (11, 11),  1
term: (0, 0) mat_elmt: (13, 13),  1
term: (0, 0) mat_elmt: (15, 15),  1
====================================

term: (0, 1) mat_elmt: ( 3,  3),  1
term: (0, 1) mat_elmt: ( 7,  7),  1
term: (0, 1) mat_elmt: (11, 11),  1
term: (0, 1) mat_elmt: (15, 15),  1
====================================

term: (0, 2) mat_elmt: ( 5,  5),  1
term: (0, 2) mat_elmt: ( 7,  7),  1
term: (0, 2) mat_elmt: (13, 13),  1
term: (0, 2) mat_elmt: (15, 15),  1
====================================

term: (0, 3) mat_elmt: ( 9,  9),  1
term: (0, 3) mat_elmt: (11, 11),  1
term: (0, 3) mat_elmt: (13, 13),  1
term: (0, 3) mat_elmt: (15, 15),  1
====================================

term: (1, 0) mat_elmt: ( 3,  3),  1
term: (1, 0) mat_elmt: ( 7,  7),  1
term: (1, 0) mat_elmt: (11, 11),  1
term: (1, 0) mat_elmt: (15, 15),  1
====================================

term: (1, 1) mat_elmt: ( 2,  2),  1
term: (1, 1) mat_elmt: ( 3,  3),  1
```

```
term: (1, 1) mat_elmt: ( 6,  6),  1
term: (1, 1) mat_elmt: ( 7,  7),  1
term: (1, 1) mat_elmt: (10, 10),  1
term: (1, 1) mat_elmt: (11, 11),  1
term: (1, 1) mat_elmt: (14, 14),  1
term: (1, 1) mat_elmt: (15, 15),  1
====================================

term: (1, 2) mat_elmt: ( 6,  6),  1
term: (1, 2) mat_elmt: ( 7,  7),  1
term: (1, 2) mat_elmt: (14, 14),  1
term: (1, 2) mat_elmt: (15, 15),  1
====================================

term: (1, 3) mat_elmt: (10, 10),  1
term: (1, 3) mat_elmt: (11, 11),  1
term: (1, 3) mat_elmt: (14, 14),  1
term: (1, 3) mat_elmt: (15, 15),  1
====================================

term: (2, 0) mat_elmt: ( 5,  5),  1
term: (2, 0) mat_elmt: ( 7,  7),  1
term: (2, 0) mat_elmt: (13, 13),  1
term: (2, 0) mat_elmt: (15, 15),  1
====================================

term: (2, 1) mat_elmt: ( 6,  6),  1
term: (2, 1) mat_elmt: ( 7,  7),  1
term: (2, 1) mat_elmt: (14, 14),  1
term: (2, 1) mat_elmt: (15, 15),  1
====================================

term: (2, 2) mat_elmt: ( 4,  4),  1
term: (2, 2) mat_elmt: ( 5,  5),  1
term: (2, 2) mat_elmt: ( 6,  6),  1
term: (2, 2) mat_elmt: ( 7,  7),  1
term: (2, 2) mat_elmt: (12, 12),  1
term: (2, 2) mat_elmt: (13, 13),  1
term: (2, 2) mat_elmt: (14, 14),  1
```

```
term: (2, 2) mat_elmt: (15, 15),  1
====================================

term: (2, 3) mat_elmt: (12, 12),  1
term: (2, 3) mat_elmt: (13, 13),  1
term: (2, 3) mat_elmt: (14, 14),  1
term: (2, 3) mat_elmt: (15, 15),  1
====================================

term: (3, 0) mat_elmt: ( 9,  9),  1
term: (3, 0) mat_elmt: (11, 11),  1
term: (3, 0) mat_elmt: (13, 13),  1
term: (3, 0) mat_elmt: (15, 15),  1
====================================

term: (3, 1) mat_elmt: (10, 10),  1
term: (3, 1) mat_elmt: (11, 11),  1
term: (3, 1) mat_elmt: (14, 14),  1
term: (3, 1) mat_elmt: (15, 15),  1
====================================

term: (3, 2) mat_elmt: (12, 12),  1
term: (3, 2) mat_elmt: (13, 13),  1
term: (3, 2) mat_elmt: (14, 14),  1
term: (3, 2) mat_elmt: (15, 15),  1
====================================

term: (3, 3) mat_elmt: ( 8,  8),  1
term: (3, 3) mat_elmt: ( 9,  9),  1
term: (3, 3) mat_elmt: (10, 10),  1
term: (3, 3) mat_elmt: (11, 11),  1
term: (3, 3) mat_elmt: (12, 12),  1
term: (3, 3) mat_elmt: (13, 13),  1
term: (3, 3) mat_elmt: (14, 14),  1
term: (3, 3) mat_elmt: (15, 15),  1
====================================
```