

TABLE I

1st LINEAR CHARACTERISTIC FOR $RK_{24} \oplus K_{14}^R$ ($p = 1/2 - 2^{-16}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	16	16	$1/2 - 1/4$
21	16	16	$1/2 - 1/4$
22	-	-	$1/2 + 1/2$
23	16	16	$1/2 - 1/4$

TABLE III

3st LINEAR CHARACTERISTIC FOR $RK_{24} \oplus K_{14}^R$ ($p = 1/2 - 2^{-17}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	16	16	$1/2 - 1/4$
21	16	16	$1/2 - 1/4$
22	-	-	$1/2 + 1/2$
23	18,31	16	$1/2 - 1/8$

TABLE II

2st LINEAR CHARACTERISTIC FOR $RK_{24} \oplus K_{14}^R$ ($p = 1/2 - 2^{-17}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	16	16	$1/2 - 1/4$
21	16	16	$1/2 - 1/4$
22	-	-	$1/2 + 1/2$
23	18	16	$1/2 - 1/8$

TABLE IV

4st LINEAR CHARACTERISTIC FOR $RK_{24} \oplus K_{14}^R$ ($p = 1/2 - 2^{-16}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	16	16	$1/2 - 1/4$
21	16	16	$1/2 - 1/4$
22	-	-	$1/2 + 1/2$
23	17,31	16	$1/2 - 1/8$

TABLE V

5st LINEAR CHARACTERISTIC FOR $RK_{24} \oplus K_{14}^R$ ($p = 1/2 + 2^{-18}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	16	16	$1/2 - 1/4$
20	16	16	$1/2 - 1/4$
21	-	-	$1/2 + 1/2$
22	18	16	$1/2 - 1/8$
23	8,11	18	$1/2 - 1/4$

TABLE VII

7st LINEAR CHARACTERISTIC FOR $RK_{24} \oplus K_{14}^R$ ($p = 1/2 - 2^{-18}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	16	16	$1/2 - 1/4$
20	16	16	$1/2 - 1/4$
21	-	-	$1/2 + 1/2$
22	17,31	16	$1/2 - 1/4$
23	19,21,27,29	17,31	$1/2 + 1/8$

TABLE VI

6st LINEAR CHARACTERISTIC FOR $RK_{24} \oplus K_{14}^R$ ($p = 1/2 + 2^{-18}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	16	16	$1/2 - 1/4$
20	16	16	$1/2 - 1/4$
21	-	-	$1/2 + 1/2$
22	18	16	$1/2 - 1/8$
23	9,11	18	$1/2 - 1/4$

TABLE VIII

8st LINEAR CHARACTERISTIC FOR $RK_{24} \oplus K_{14}^R$ ($p = 1/2 - 2^{-18}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	16	16	$1/2 - 1/4$
20	16	16	$1/2 - 1/4$
21	-	-	$1/2 + 1/2$
22	17,31	16	$1/2 - 1/4$
23	19,21,28	17,31	$1/2 + 1/8$

TABLE IX
1st LINEAR CHARACTERISTIC FOR $RK_{23} \oplus K_{14}^L$ ($p = 1/2 - 2^{-16}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	16	16	$1/2 - 1/4$
20	16	16	$1/2 - 1/4$
21	-	-	$1/2 + 1/2$
22	16	16	$1/2 - 1/4$

TABLE XI
3st LINEAR CHARACTERISTIC FOR $RK_{23} \oplus K_{14}^L$ ($p = 1/2 - 2^{-17}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	16	16	$1/2 - 1/4$
20	16	16	$1/2 - 1/4$
21	-	-	$1/2 + 1/2$
22	18,31	16	$1/2 - 1/8$

TABLE X
2st LINEAR CHARACTERISTIC FOR $RK_{23} \oplus K_{14}^L$ ($p = 1/2 - 2^{-17}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	16	16	$1/2 - 1/4$
20	16	16	$1/2 - 1/4$
21	-	-	$1/2 + 1/2$
22	18	16	$1/2 - 1/8$

TABLE XII
4st LINEAR CHARACTERISTIC FOR $RK_{23} \oplus K_{14}^L$ ($p = 1/2 - 2^{-16}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	16	16	$1/2 - 1/4$
20	16	16	$1/2 - 1/4$
21	-	-	$1/2 + 1/2$
22	17,31	16	$1/2 - 1/4$

TABLE XIII

5st LINEAR CHARACTERISTIC FOR $RK_{23} \oplus K_{14}^L$ ($p = 1/2 - 2^{-17}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	-	-	$1/2 + 1/2$
3	16	16	$1/2 - 1/4$
4	16	16	$1/2 - 1/4$
5	-	-	$1/2 + 1/2$
6	16	16	$1/2 - 1/4$
7	16	16	$1/2 - 1/4$
8	-	-	$1/2 + 1/2$
9	16	16	$1/2 - 1/4$
10	16	16	$1/2 - 1/4$
11	-	-	$1/2 + 1/2$
12	16	16	$1/2 - 1/4$
13	16	16	$1/2 - 1/4$
14	-	-	$1/2 + 1/2$
15	16	16	$1/2 - 1/4$
16	16	16	$1/2 - 1/4$
17	-	-	$1/2 + 1/2$
18	16	16	$1/2 - 1/4$
19	16	16	$1/2 - 1/4$
20	-	-	$1/2 + 1/2$
21	18	16	$1/2 - 1/8$
22	8,11	18	$1/2 - 1/4$

TABLE XV

7st LINEAR CHARACTERISTIC FOR $RK_{23} \oplus K_{14}^L$ ($p = 1/2 + 2^{-17}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	-	-	$1/2 + 1/2$
3	16	16	$1/2 - 1/4$
4	16	16	$1/2 - 1/4$
5	-	-	$1/2 + 1/2$
6	16	16	$1/2 - 1/4$
7	16	16	$1/2 - 1/4$
8	-	-	$1/2 + 1/2$
9	16	16	$1/2 - 1/4$
10	16	16	$1/2 - 1/4$
11	-	-	$1/2 + 1/2$
12	16	16	$1/2 - 1/4$
13	16	16	$1/2 - 1/4$
14	-	-	$1/2 + 1/2$
15	16	16	$1/2 - 1/4$
16	16	16	$1/2 - 1/4$
17	-	-	$1/2 + 1/2$
18	16	16	$1/2 - 1/4$
19	16	16	$1/2 - 1/4$
20	-	-	$1/2 + 1/2$
21	17,31	16	$1/2 - 1/4$
22	19,21,27,29	17,31	$1/2 + 1/8$

TABLE XIV

6st LINEAR CHARACTERISTIC FOR $RK_{23} \oplus K_{14}^L$ ($p = 1/2 - 2^{-17}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	-	-	$1/2 + 1/2$
3	16	16	$1/2 - 1/4$
4	16	16	$1/2 - 1/4$
5	-	-	$1/2 + 1/2$
6	16	16	$1/2 - 1/4$
7	16	16	$1/2 - 1/4$
8	-	-	$1/2 + 1/2$
9	16	16	$1/2 - 1/4$
10	16	16	$1/2 - 1/4$
11	-	-	$1/2 + 1/2$
12	16	16	$1/2 - 1/4$
13	16	16	$1/2 - 1/4$
14	-	-	$1/2 + 1/2$
15	16	16	$1/2 - 1/4$
16	16	16	$1/2 - 1/4$
17	-	-	$1/2 + 1/2$
18	16	16	$1/2 - 1/4$
19	16	16	$1/2 - 1/4$
20	-	-	$1/2 + 1/2$
21	18	16	$1/2 - 1/8$
22	9,11	18	$1/2 - 1/4$

TABLE XVI

8st LINEAR CHARACTERISTIC FOR $RK_{23} \oplus K_{14}^L$ ($p = 1/2 + 2^{-17}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	-	-	$1/2 + 1/2$
3	16	16	$1/2 - 1/4$
4	16	16	$1/2 - 1/4$
5	-	-	$1/2 + 1/2$
6	16	16	$1/2 - 1/4$
7	16	16	$1/2 - 1/4$
8	-	-	$1/2 + 1/2$
9	16	16	$1/2 - 1/4$
10	16	16	$1/2 - 1/4$
11	-	-	$1/2 + 1/2$
12	16	16	$1/2 - 1/4$
13	16	16	$1/2 - 1/4$
14	-	-	$1/2 + 1/2$
15	16	16	$1/2 - 1/4$
16	16	16	$1/2 - 1/4$
17	-	-	$1/2 + 1/2$
18	16	16	$1/2 - 1/4$
19	16	16	$1/2 - 1/4$
20	-	-	$1/2 + 1/2$
21	17,31	16	$1/2 - 1/4$
22	19,21,28	17,31	$1/2 + 1/8$

TABLE XVII

1st LINEAR CHARACTERISTIC FOR $RK_{22} \oplus K_{14}^R$ ($p = 1/2 + 2^{-15}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	-	-	$1/2 + 1/2$
3	16	16	$1/2 - 1/4$
4	16	16	$1/2 - 1/4$
5	-	-	$1/2 + 1/2$
6	16	16	$1/2 - 1/4$
7	16	16	$1/2 - 1/4$
8	-	-	$1/2 + 1/2$
9	16	16	$1/2 - 1/4$
10	16	16	$1/2 - 1/4$
11	-	-	$1/2 + 1/2$
12	16	16	$1/2 - 1/4$
13	16	16	$1/2 - 1/4$
14	-	-	$1/2 + 1/2$
15	16	16	$1/2 - 1/4$
16	16	16	$1/2 - 1/4$
17	-	-	$1/2 + 1/2$
18	16	16	$1/2 - 1/4$
19	16	16	$1/2 - 1/4$
20	-	-	$1/2 + 1/2$
21	16	16	$1/2 - 1/4$

TABLE XIX

3st LINEAR CHARACTERISTIC FOR $RK_{22} \oplus K_{14}^R$ ($p = 1/2 + 2^{-16}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	-	-	$1/2 + 1/2$
3	16	16	$1/2 - 1/4$
4	16	16	$1/2 - 1/4$
5	-	-	$1/2 + 1/2$
6	16	16	$1/2 - 1/4$
7	16	16	$1/2 - 1/4$
8	-	-	$1/2 + 1/2$
9	16	16	$1/2 - 1/4$
10	16	16	$1/2 - 1/4$
11	-	-	$1/2 + 1/2$
12	16	16	$1/2 - 1/4$
13	16	16	$1/2 - 1/4$
14	-	-	$1/2 + 1/2$
15	16	16	$1/2 - 1/4$
16	16	16	$1/2 - 1/4$
17	-	-	$1/2 + 1/2$
18	16	16	$1/2 - 1/4$
19	16	16	$1/2 - 1/4$
20	-	-	$1/2 + 1/2$
21	18,31	16	$1/2 - 1/8$

TABLE XVIII

2st LINEAR CHARACTERISTIC FOR $RK_{22} \oplus K_{14}^R$ ($p = 1/2 + 2^{-16}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	-	-	$1/2 + 1/2$
3	16	16	$1/2 - 1/4$
4	16	16	$1/2 - 1/4$
5	-	-	$1/2 + 1/2$
6	16	16	$1/2 - 1/4$
7	16	16	$1/2 - 1/4$
8	-	-	$1/2 + 1/2$
9	16	16	$1/2 - 1/4$
10	16	16	$1/2 - 1/4$
11	-	-	$1/2 + 1/2$
12	16	16	$1/2 - 1/4$
13	16	16	$1/2 - 1/4$
14	-	-	$1/2 + 1/2$
15	16	16	$1/2 - 1/4$
16	16	16	$1/2 - 1/4$
17	-	-	$1/2 + 1/2$
18	16	16	$1/2 - 1/4$
19	16	16	$1/2 - 1/4$
20	-	-	$1/2 + 1/2$
21	18	16	$1/2 - 1/8$

TABLE XX

4st LINEAR CHARACTERISTIC FOR $RK_{22} \oplus K_{14}^R$ ($p = 1/2 + 2^{-15}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	-	-	$1/2 + 1/2$
3	16	16	$1/2 - 1/4$
4	16	16	$1/2 - 1/4$
5	-	-	$1/2 + 1/2$
6	16	16	$1/2 - 1/4$
7	16	16	$1/2 - 1/4$
8	-	-	$1/2 + 1/2$
9	16	16	$1/2 - 1/4$
10	16	16	$1/2 - 1/4$
11	-	-	$1/2 + 1/2$
12	16	16	$1/2 - 1/4$
13	16	16	$1/2 - 1/4$
14	-	-	$1/2 + 1/2$
15	16	16	$1/2 - 1/4$
16	16	16	$1/2 - 1/4$
17	-	-	$1/2 + 1/2$
18	16	16	$1/2 - 1/4$
19	16	16	$1/2 - 1/4$
20	-	-	$1/2 + 1/2$
21	17,31	16	$1/2 - 1/4$

TABLE XXI

5st LINEAR CHARACTERISTIC FOR $RK_{22} \oplus K_{14}^R$ ($p = 1/2 + 2^{-16}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	18	16	$1/2 - 1/8$
21	8,11	18	$1/2 - 1/4$

TABLE XXIII

7st LINEAR CHARACTERISTIC FOR $RK_{22} \oplus K_{14}^R$ ($p = 1/2 - 2^{-16}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	17,31	16	$1/2 - 1/4$
21	19,21,27,29	17,31	$1/2 + 1/8$

TABLE XXII

6st LINEAR CHARACTERISTIC FOR $RK_{22} \oplus K_{14}^R$ ($p = 1/2 + 2^{-16}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	18	16	$1/2 - 1/8$
21	9,11	18	$1/2 - 1/4$

TABLE XXIV

8st LINEAR CHARACTERISTIC FOR $RK_{22} \oplus K_{14}^R$ ($p = 1/2 - 2^{-16}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	17,31	16	$1/2 - 1/4$
21	19,21,28	17,31	$1/2 + 1/8$

TABLE XXV
1st LINEAR CHARACTERISTIC FOR $RK_{21} \oplus K_{14}^L$ ($p = 1/2 - 2^{-14}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	16	16	$1/2 - 1/4$

TABLE XXVII
3st LINEAR CHARACTERISTIC FOR $RK_{21} \oplus K_{14}^L$ ($p = 1/2 - 2^{-15}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	18,31	16	$1/2 - 1/8$

TABLE XXVI
2st LINEAR CHARACTERISTIC FOR $RK_{21} \oplus K_{14}^L$ ($p = 1/2 - 2^{-15}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	18	16	$1/2 - 1/8$

TABLE XXVIII
4st LINEAR CHARACTERISTIC FOR $RK_{21} \oplus K_{14}^L$ ($p = 1/2 - 2^{-14}$)

Round	Input	Output	Probability
1	-	-	$1/2 + 1/2$
2	16	16	$1/2 - 1/4$
3	16	16	$1/2 - 1/4$
4	-	-	$1/2 + 1/2$
5	16	16	$1/2 - 1/4$
6	16	16	$1/2 - 1/4$
7	-	-	$1/2 + 1/2$
8	16	16	$1/2 - 1/4$
9	16	16	$1/2 - 1/4$
10	-	-	$1/2 + 1/2$
11	16	16	$1/2 - 1/4$
12	16	16	$1/2 - 1/4$
13	-	-	$1/2 + 1/2$
14	16	16	$1/2 - 1/4$
15	16	16	$1/2 - 1/4$
16	-	-	$1/2 + 1/2$
17	16	16	$1/2 - 1/4$
18	16	16	$1/2 - 1/4$
19	-	-	$1/2 + 1/2$
20	17,31	16	$1/2 - 1/4$

TABLE XXIX

5st LINEAR CHARACTERISTIC FOR $RK_{21} \oplus K_{14}^L$ ($p = 1/2 + 2^{-16}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	18	16	$1/2 - 1/8$
20	8,11	18	$1/2 - 1/4$

TABLE XXXI

7st LINEAR CHARACTERISTIC FOR $RK_{21} \oplus K_{14}^L$ ($p = 1/2 - 2^{-16}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	17,31	16	$1/2 - 1/4$
20	19,21,27,29	17,31	$1/2 + 1/8$

TABLE XXX

6st LINEAR CHARACTERISTIC FOR $RK_{21} \oplus K_{14}^L$ ($p = 1/2 + 2^{-16}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	18	16	$1/2 - 1/8$
20	9,11	18	$1/2 - 1/4$

TABLE XXXII

8st LINEAR CHARACTERISTIC FOR $RK_{21} \oplus K_{14}^L$ ($p = 1/2 - 2^{-16}$)

Round	Input	Output	Probability
1	16	16	$1/2 - 1/4$
2	16	16	$1/2 - 1/4$
3	-	-	$1/2 + 1/2$
4	16	16	$1/2 - 1/4$
5	16	16	$1/2 - 1/4$
6	-	-	$1/2 + 1/2$
7	16	16	$1/2 - 1/4$
8	16	16	$1/2 - 1/4$
9	-	-	$1/2 + 1/2$
10	16	16	$1/2 - 1/4$
11	16	16	$1/2 - 1/4$
12	-	-	$1/2 + 1/2$
13	16	16	$1/2 - 1/4$
14	16	16	$1/2 - 1/4$
15	-	-	$1/2 + 1/2$
16	16	16	$1/2 - 1/4$
17	16	16	$1/2 - 1/4$
18	-	-	$1/2 + 1/2$
19	17,31	16	$1/2 - 1/4$
20	19,21,28	17,31	$1/2 + 1/8$