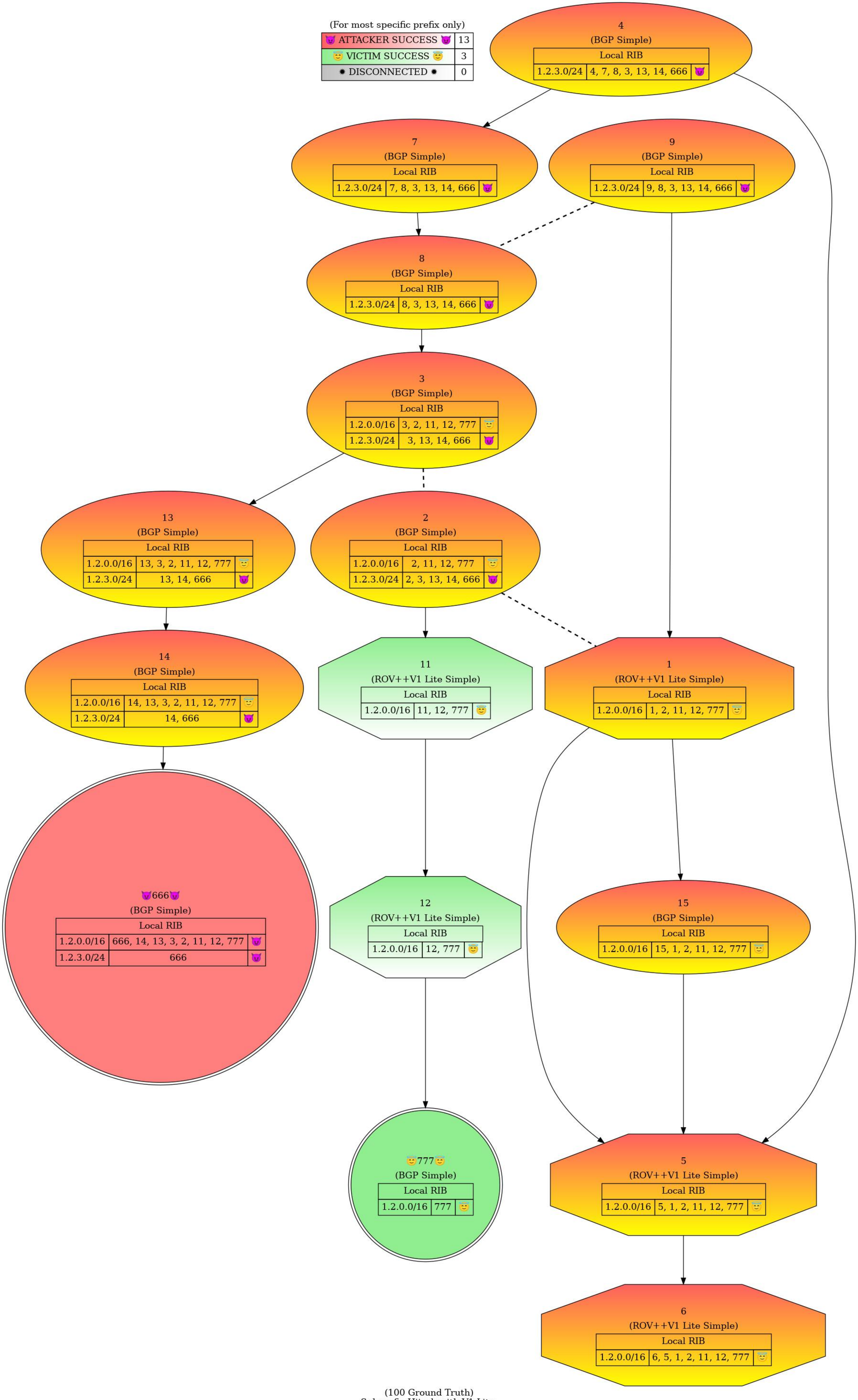
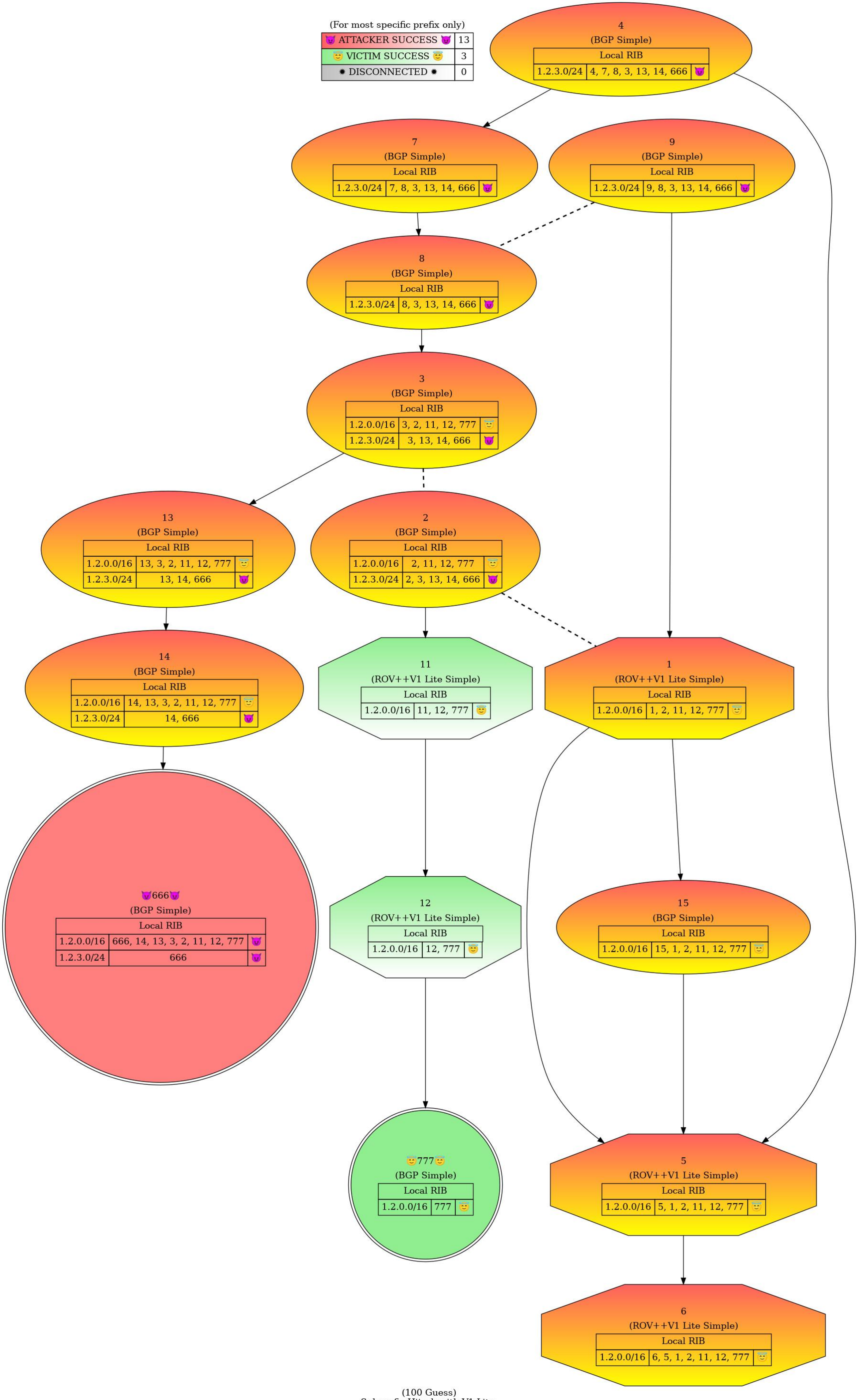
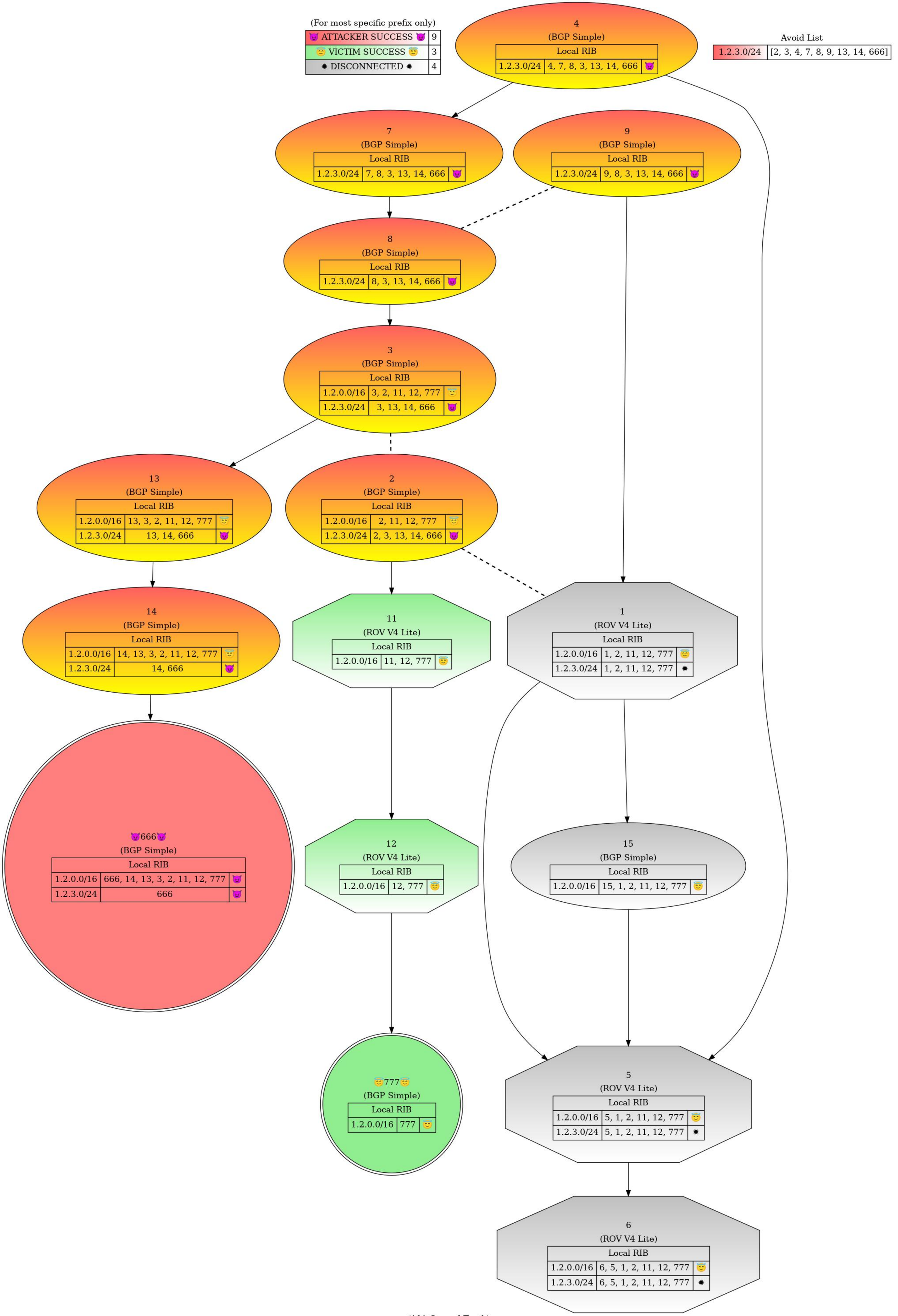


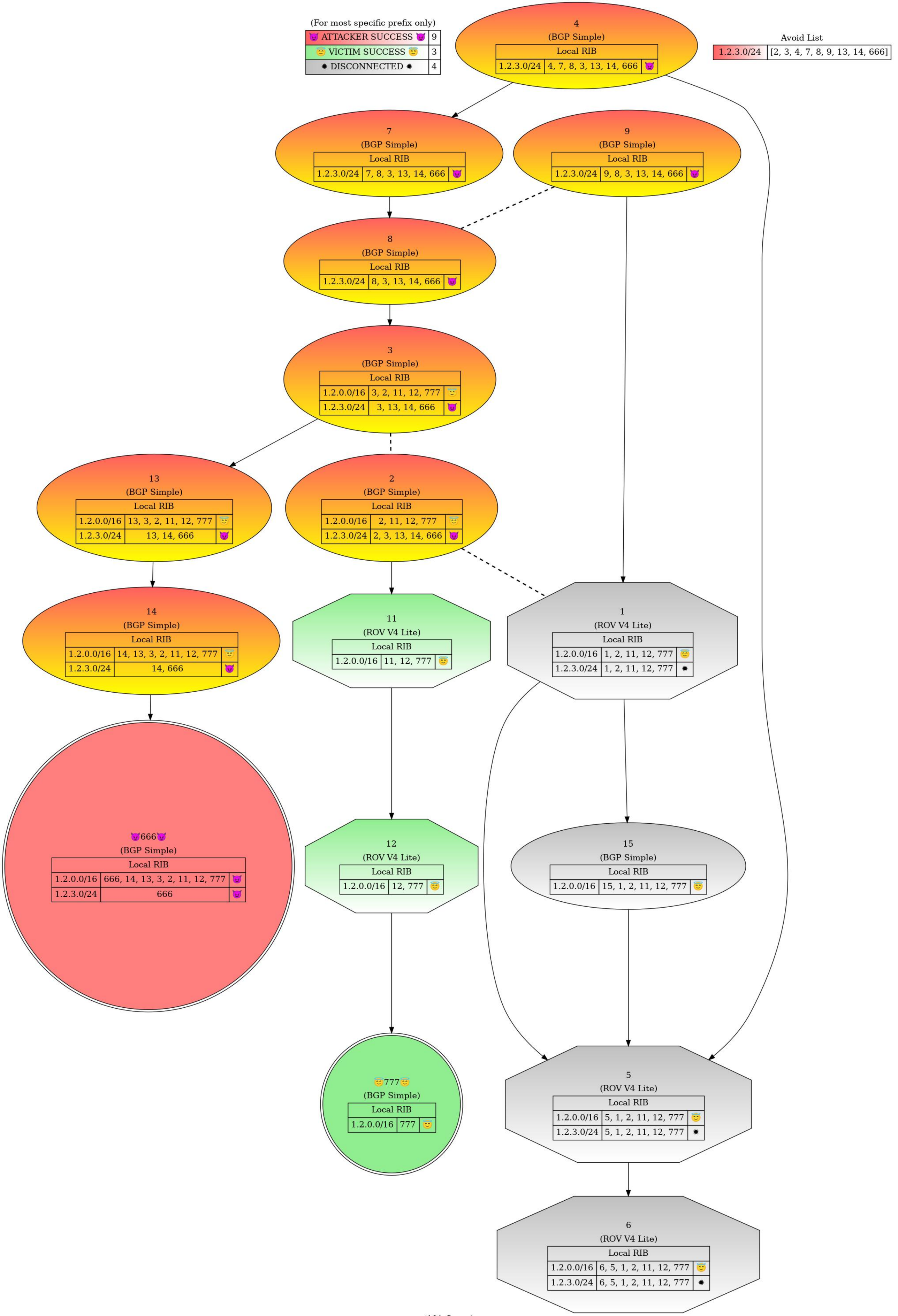
(100 Ground Truth)
Subprefix Hijack with V1 Lite.
Traceback for 1.2.3.0/24



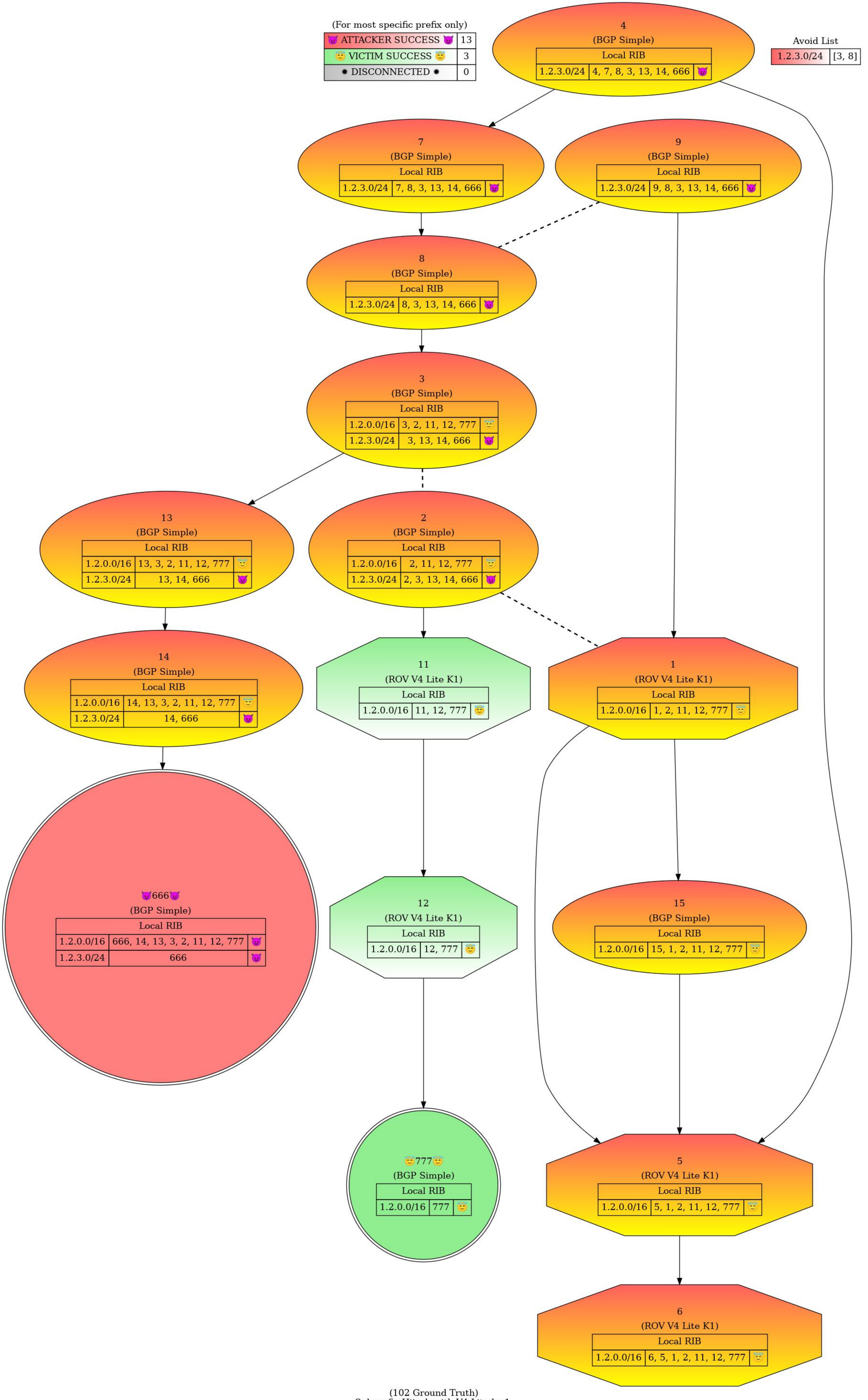
(100 Guess)
Subprefix Hijack with V1 Lite.
Traceback for 1.2.3.0/24



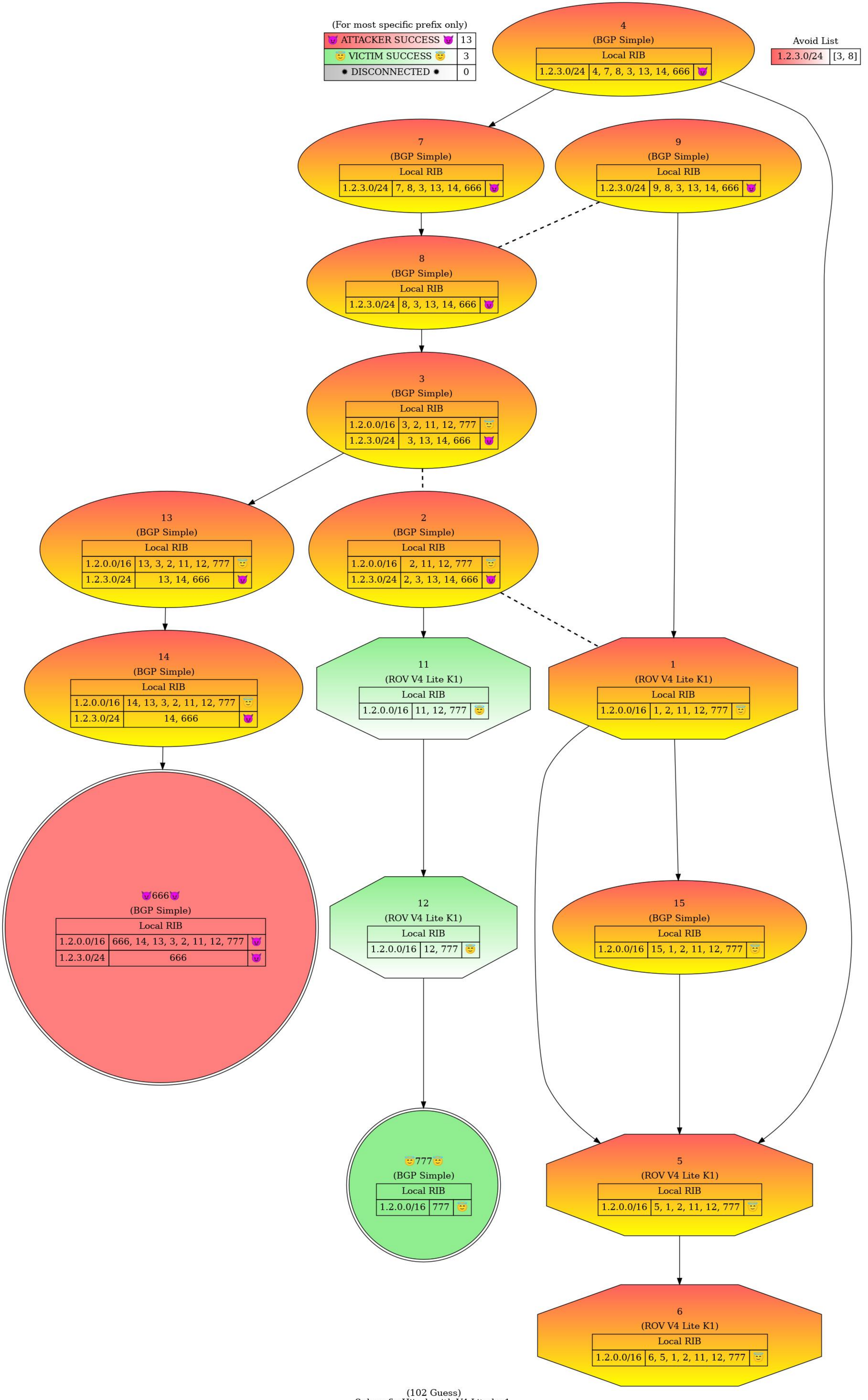
(101 Ground Truth)
Subprefix Hijack with V4 Lite.
Traceback for 1.2.3.0/24



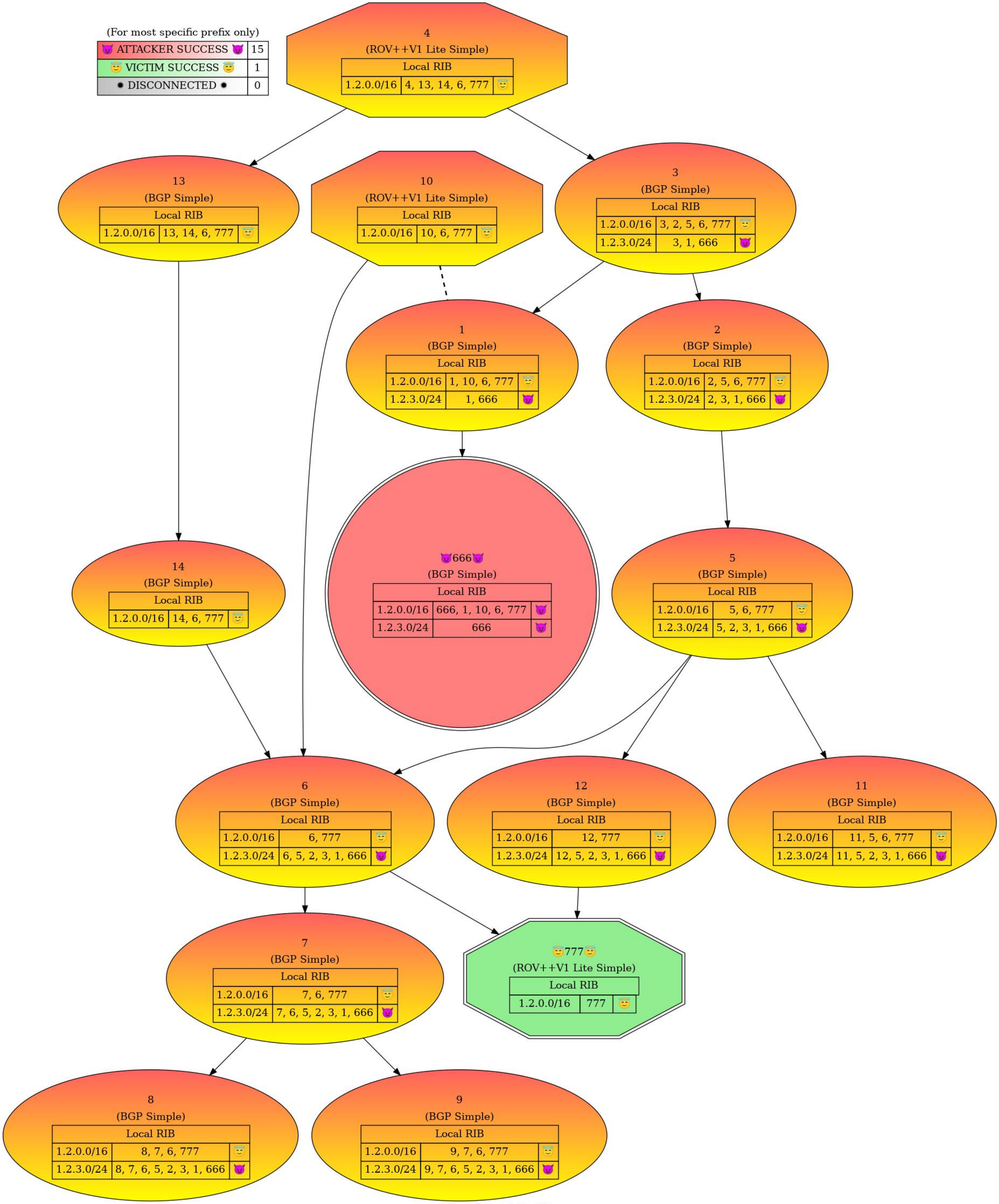
(101 Guess)
Subprefix Hijack with V4 Lite.
Traceback for 1.2.3.0/24



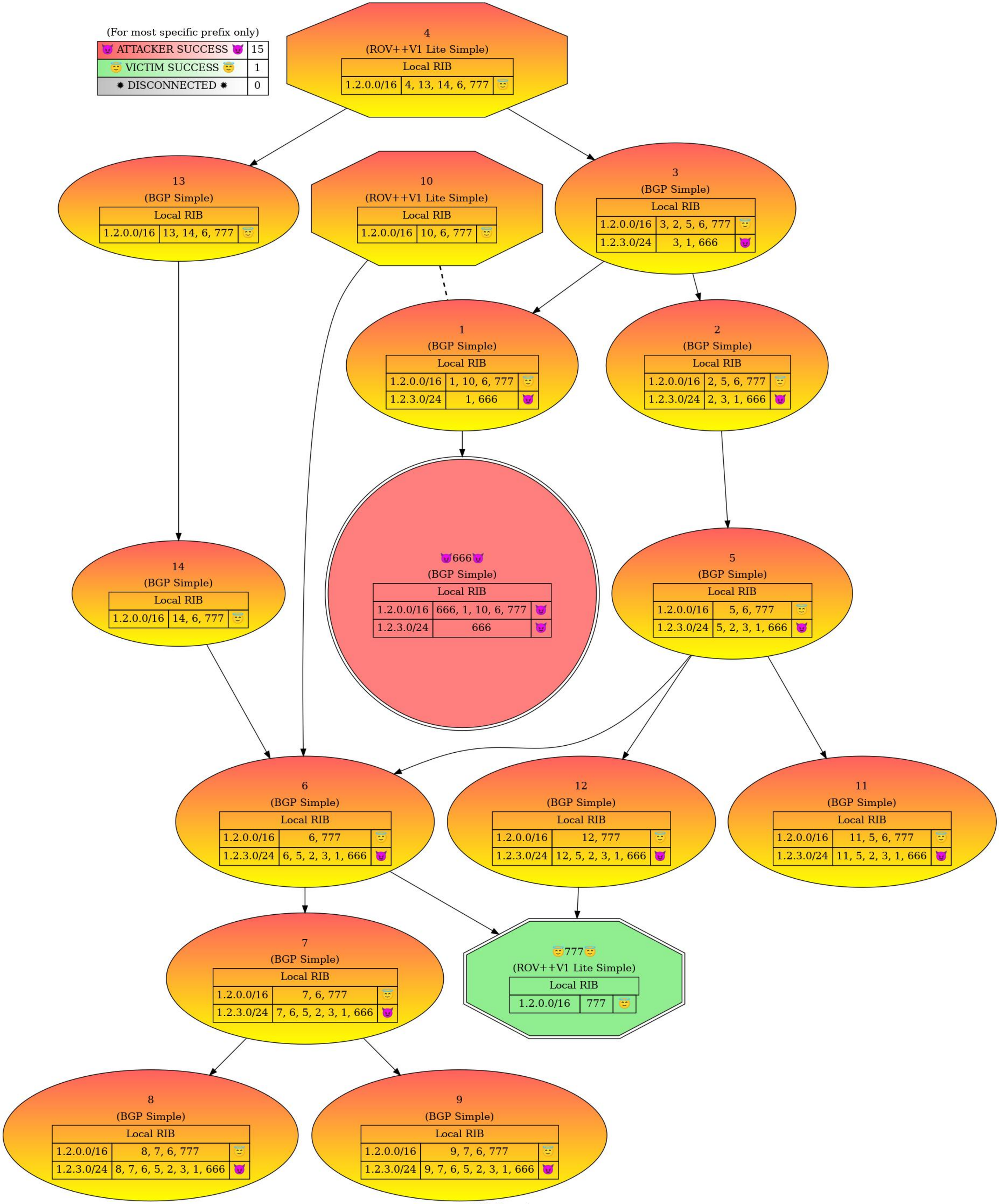
(102 Ground Truth)
Subprefix Hijack with V4 Lite k=1.
Traceback for 1.2.3.0/24



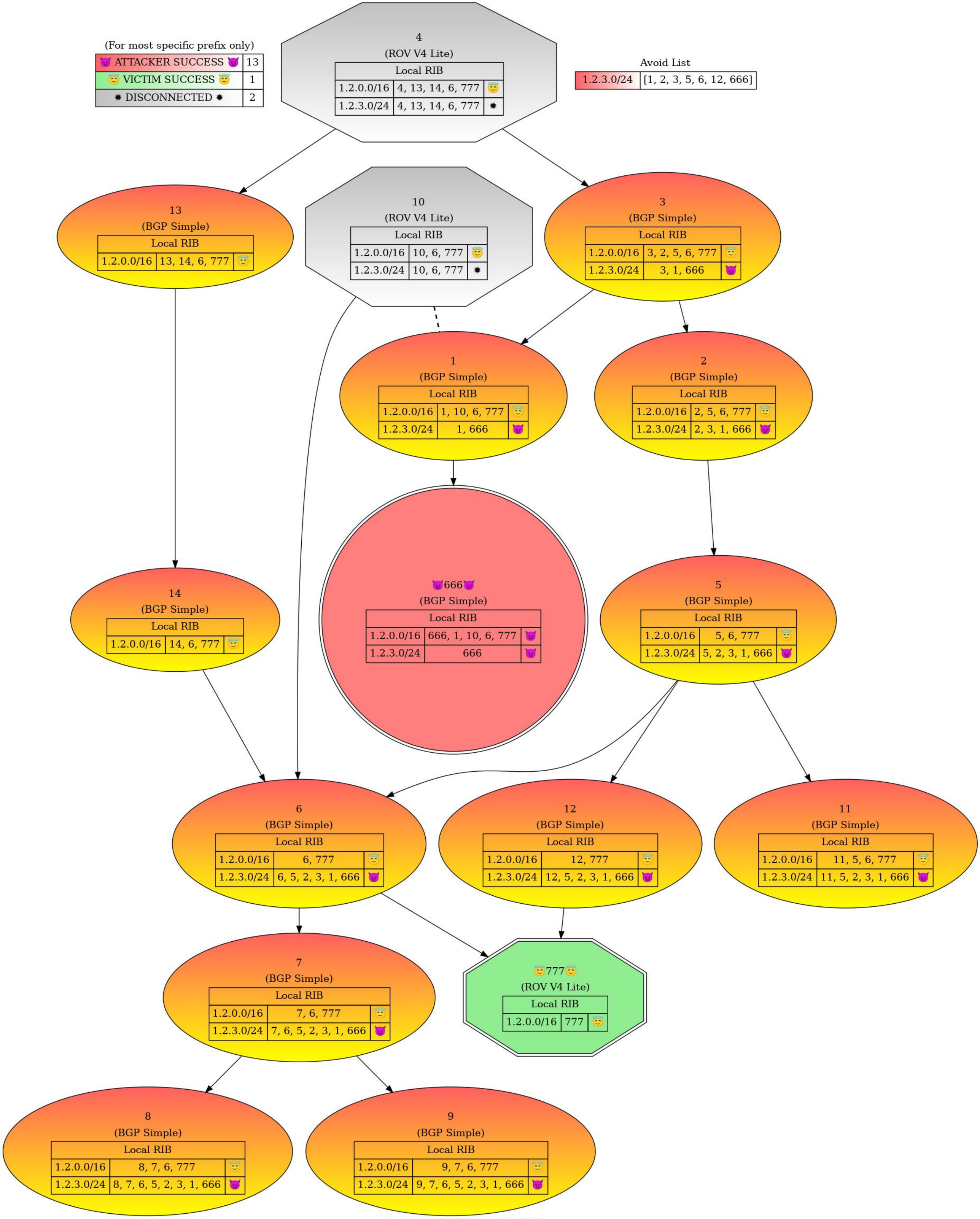
(102 Guess)
Subprefix Hijack with V4 Lite k=1.
Traceback for 1.2.3.0/24



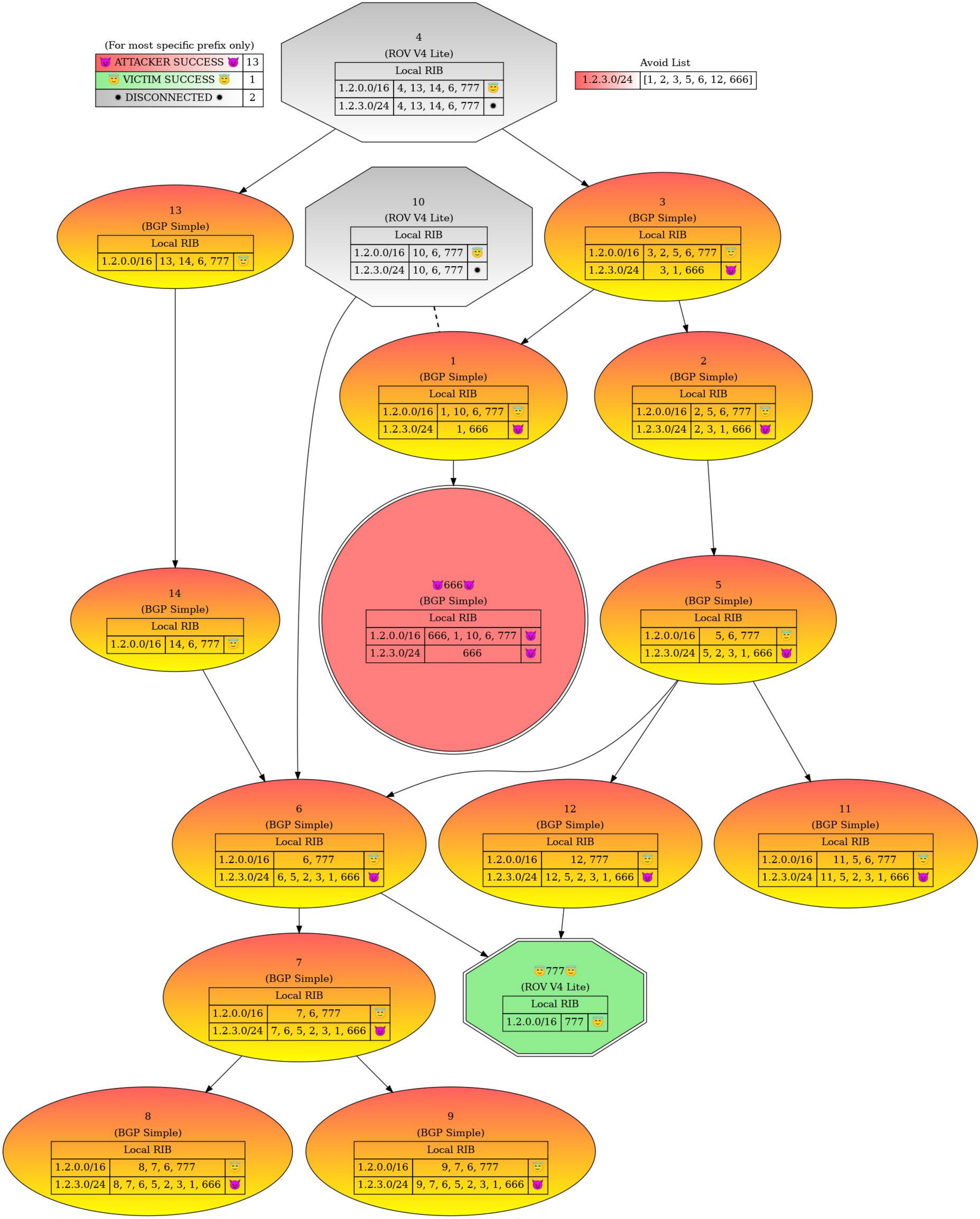
(103 Ground Truth)
Subprefix Hijack with V1 Lite.
Traceback for 1.2.3.0/24



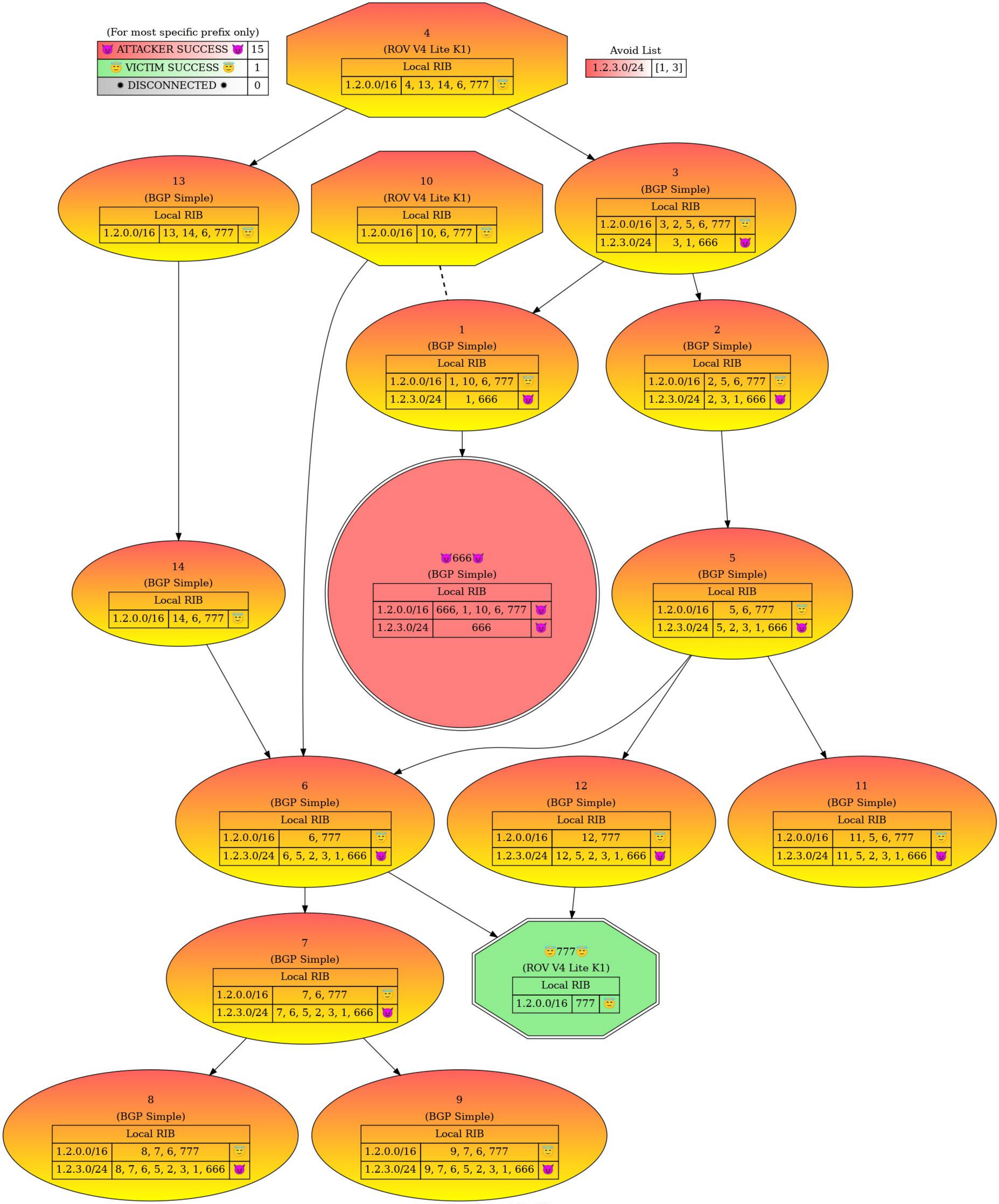
(103 Guess)
Subprefix Hijack with V1 Lite.
Traceback for 1.2.3.0/24



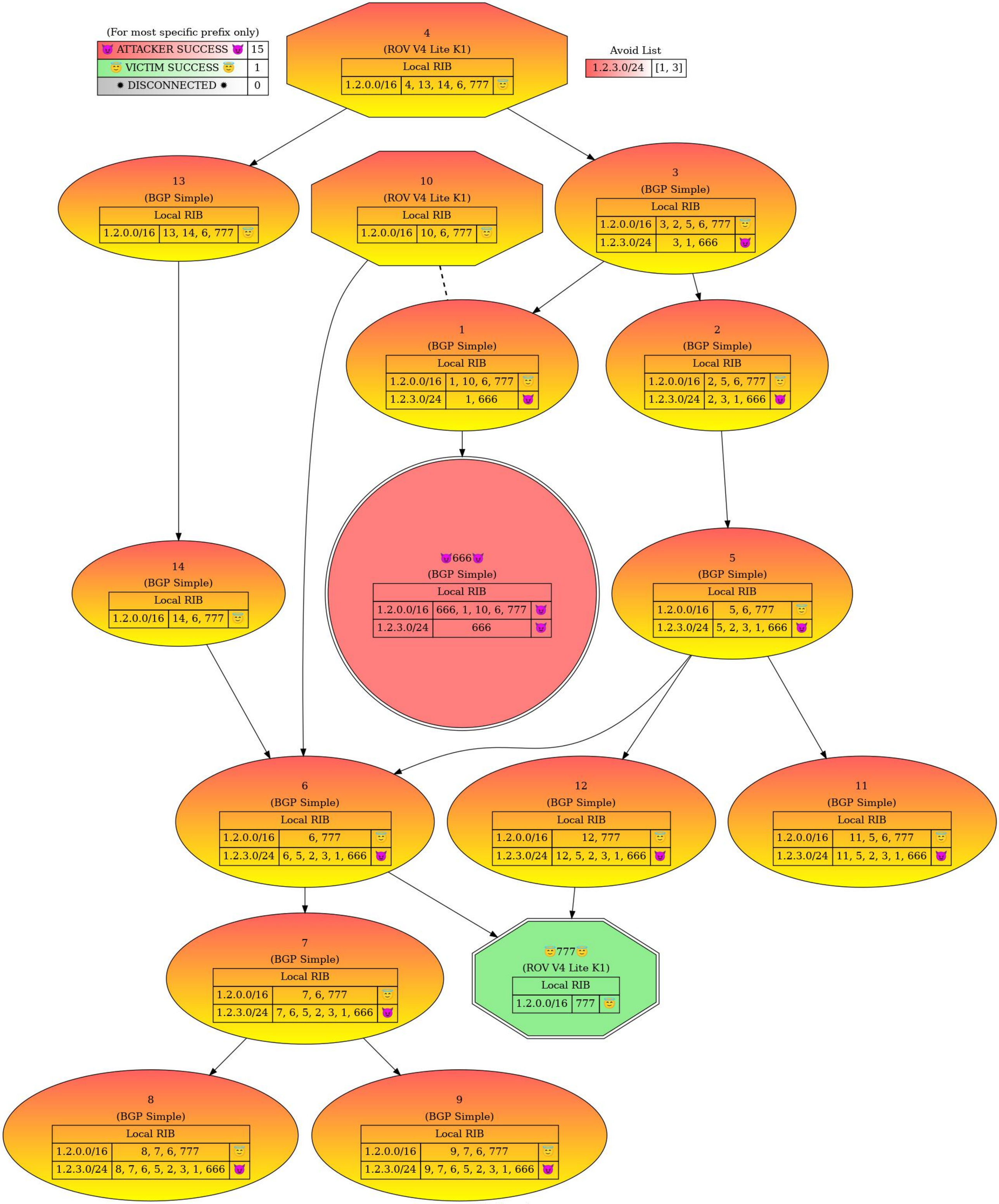
(104 Ground Truth)
Subprefix Hijack with V4 Lite.
Traceback for 1.2.3.0/24



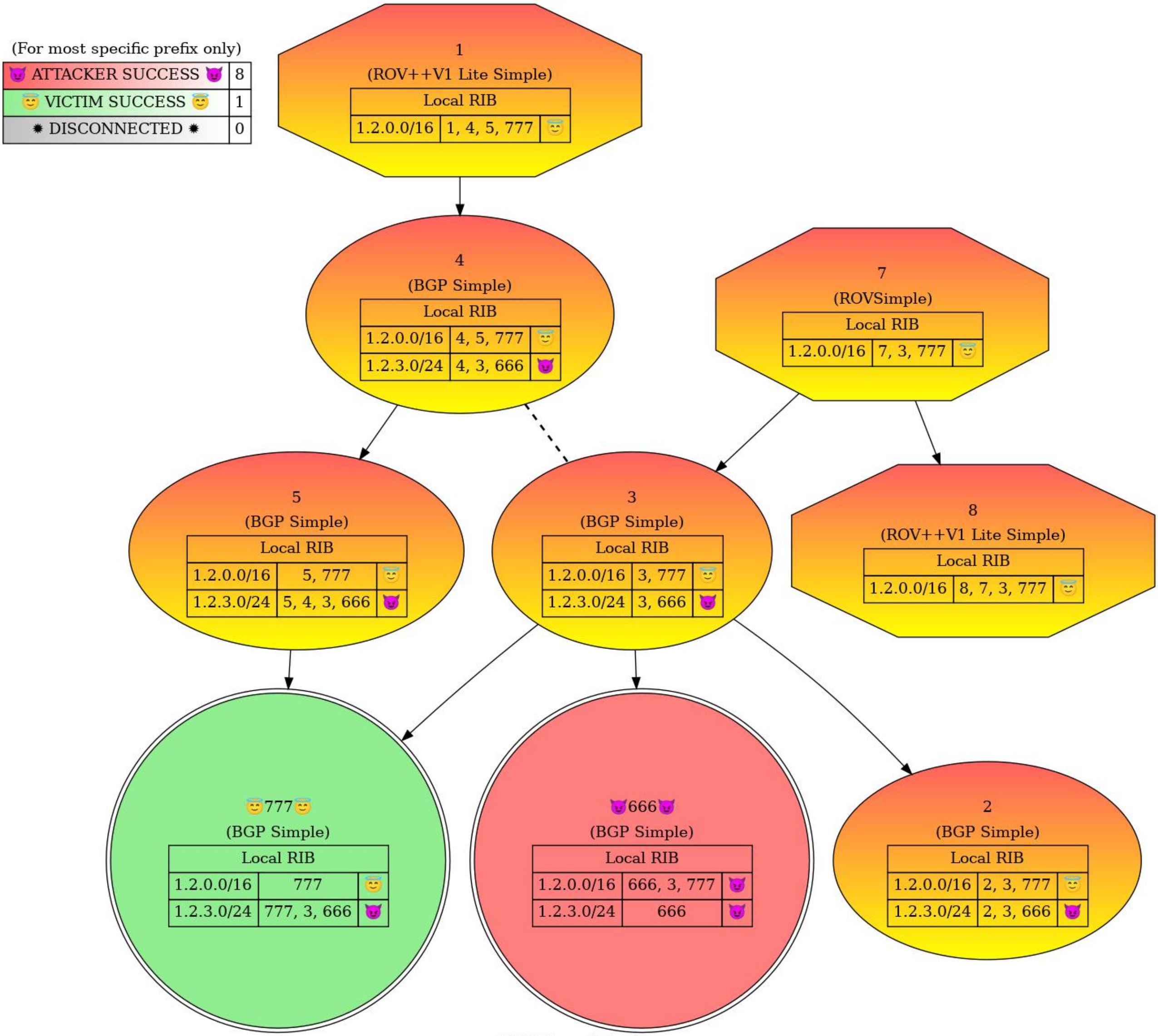
(104 Guess)
Subprefix Hijack with V4 Lite.
Traceback for 1.2.3.0/24



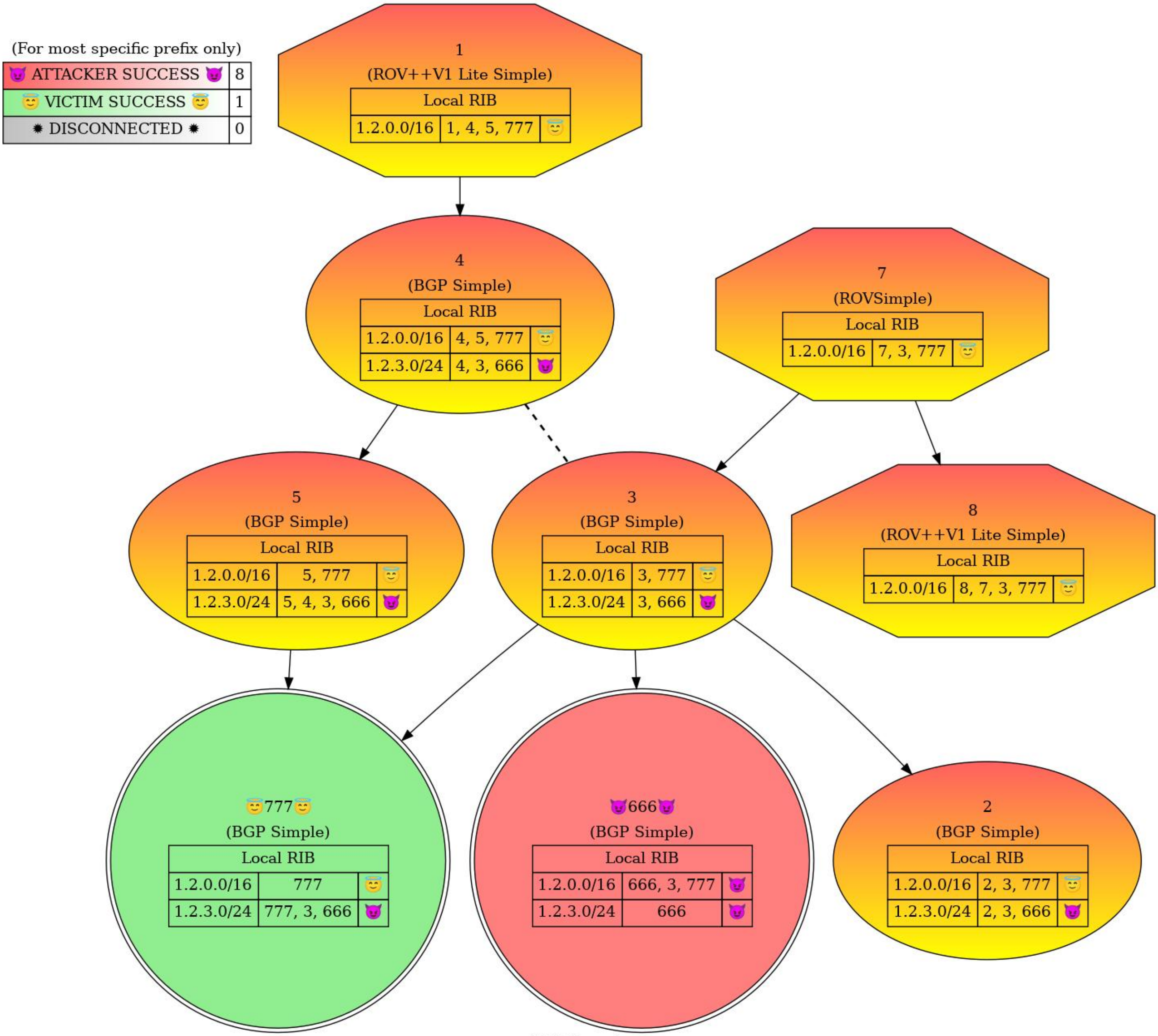
(105 Ground Truth)
Subprefix Hijack with V4 Lite k=1.
Traceback for 1.2.3.0/24



(105 Guess)
Subprefix Hijack with V4 Lite k=1.
Traceback for 1.2.3.0/24



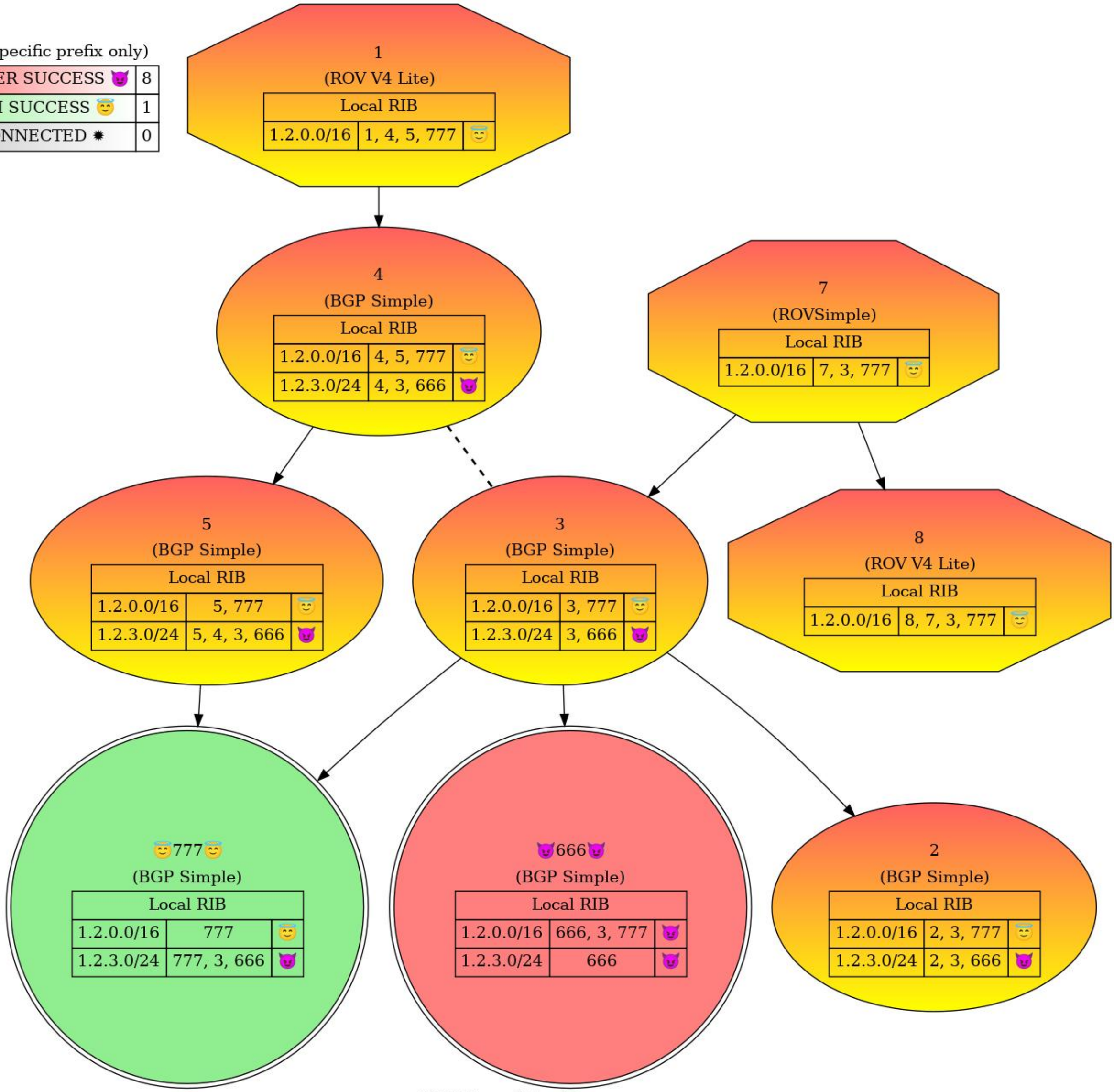
(106 Ground Truth)
Subprefix Hijack with V1 Lite.
Traceback for 1.2.3.0/24



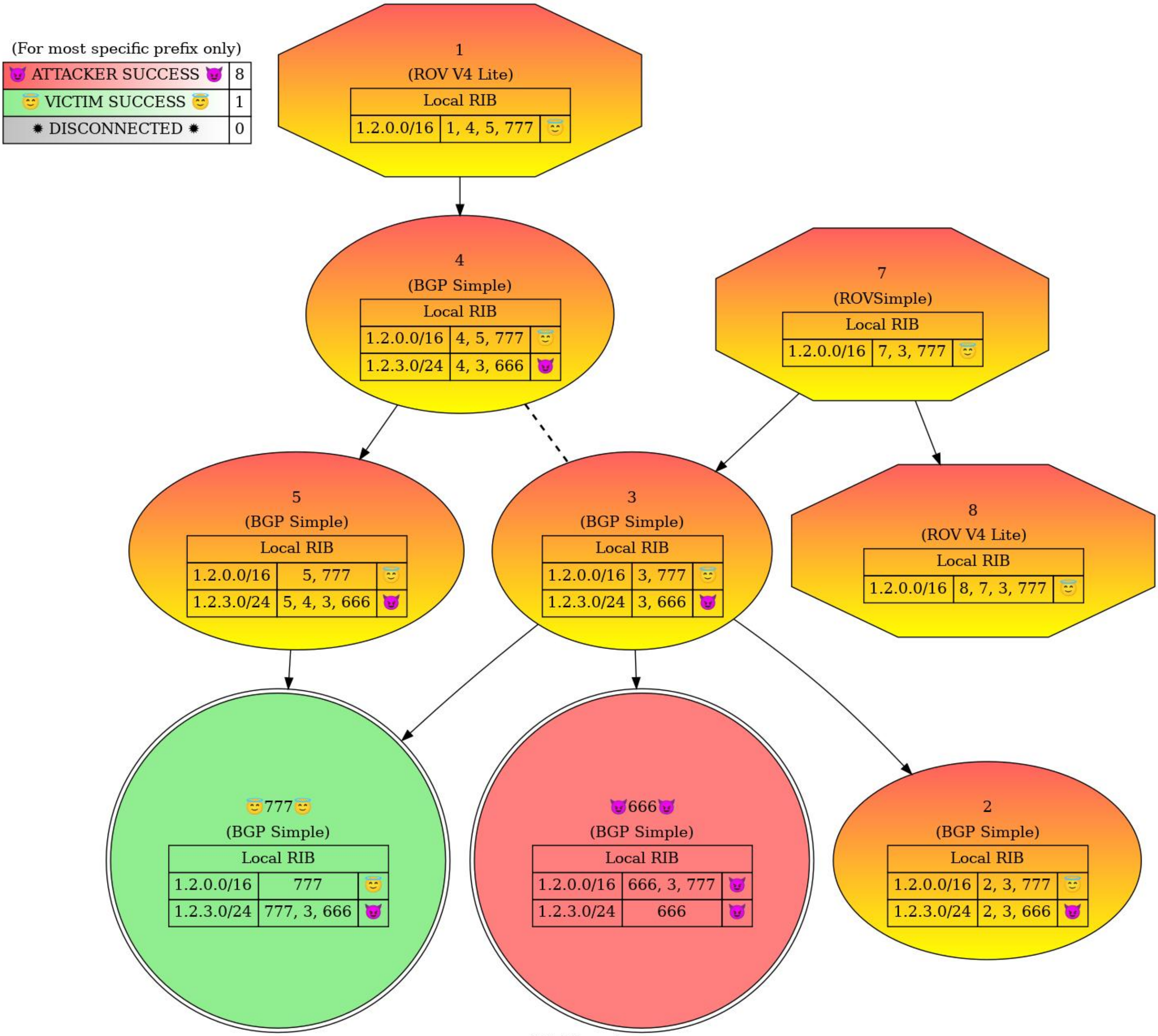
(106 Guess)
Subprefix Hijack with V1 Lite.
Traceback for 1.2.3.0/24

(For most specific prefix only)

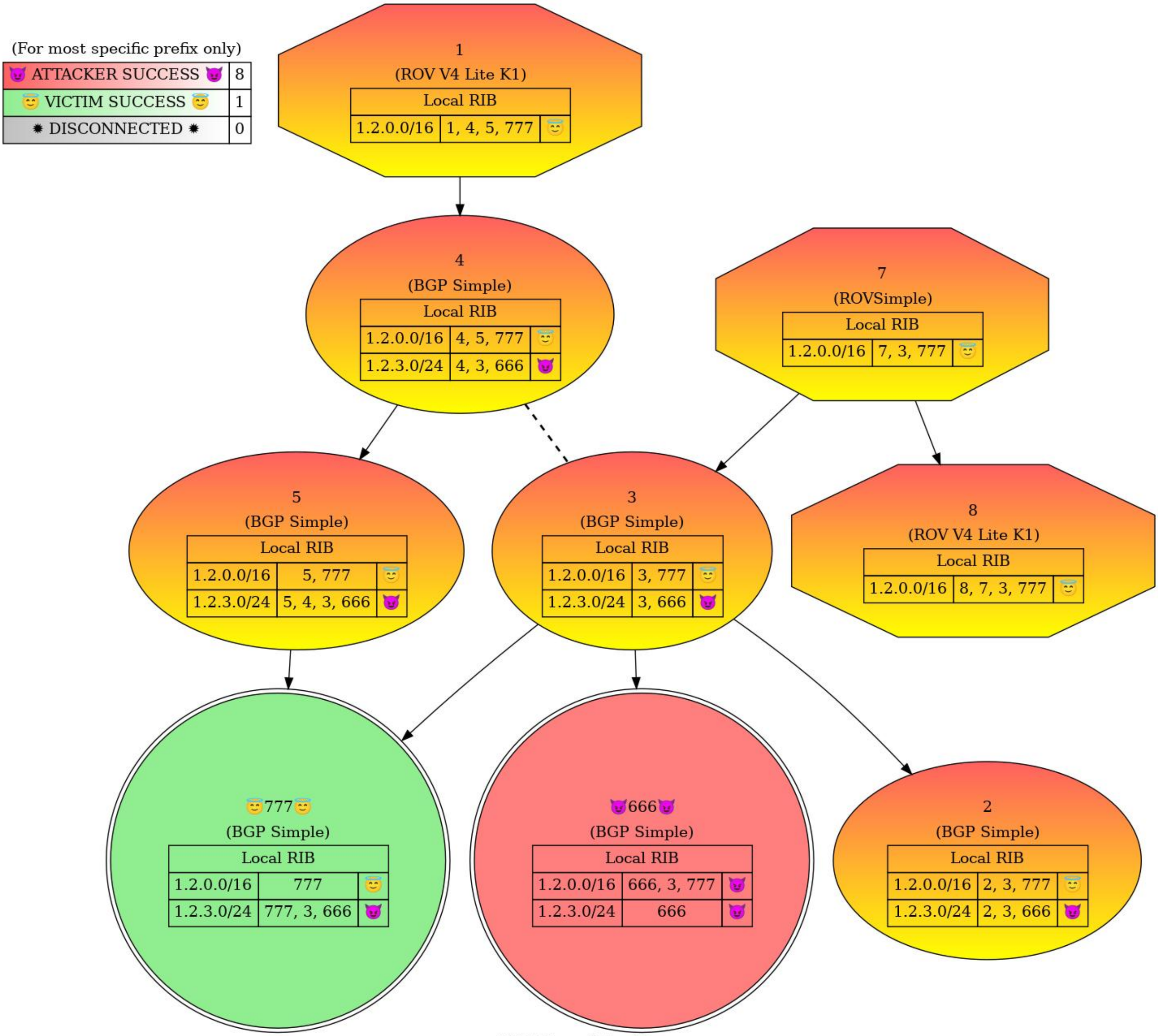
😈 ATTACKER SUCCESS 😈	8
😇 VICTIM SUCCESS 😇	1
✹ DISCONNECTED ✹	0



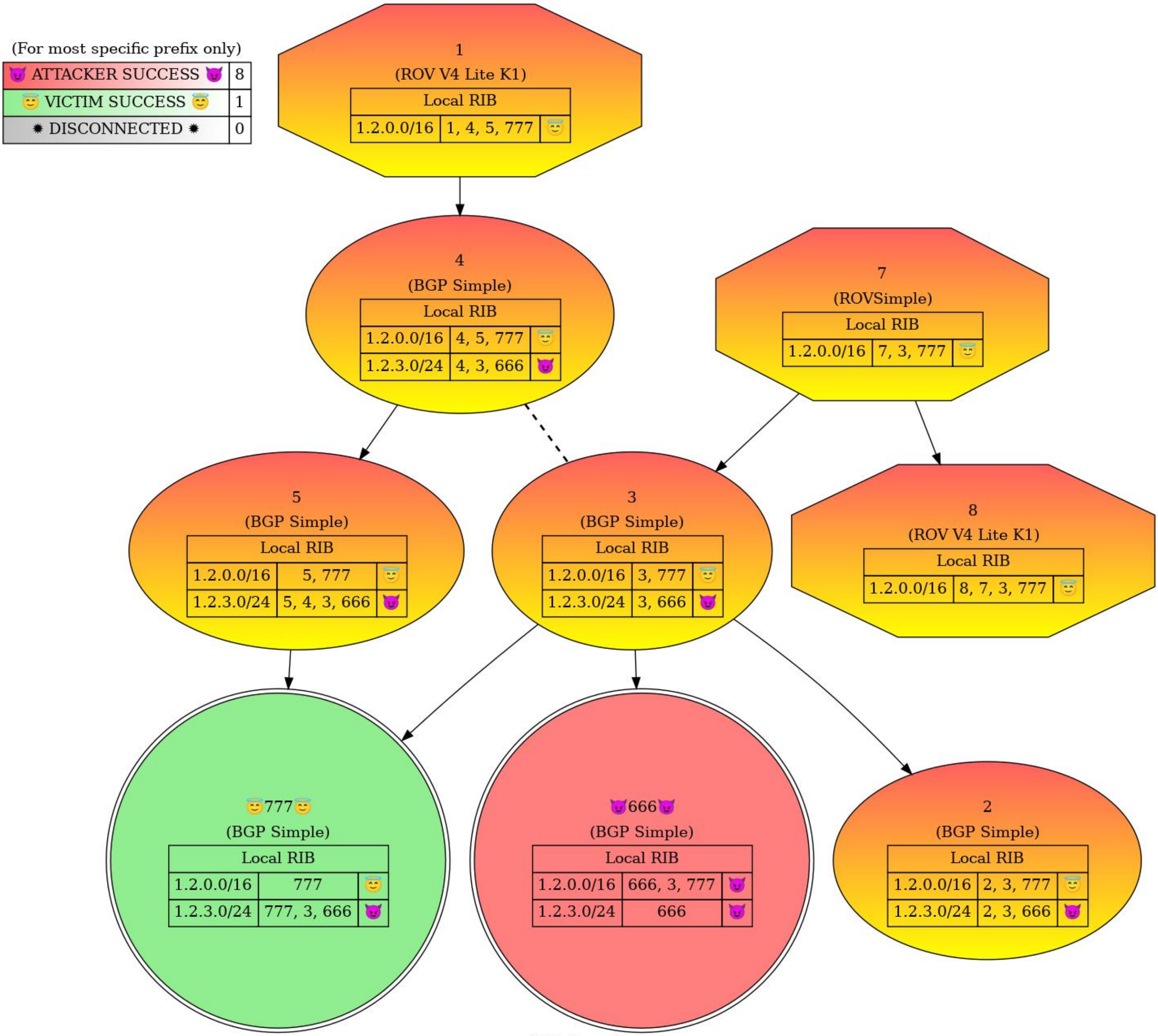
(107 Ground Truth)
Subprefix Hijack with V4 Lite.
Traceback for 1.2.3.0/24



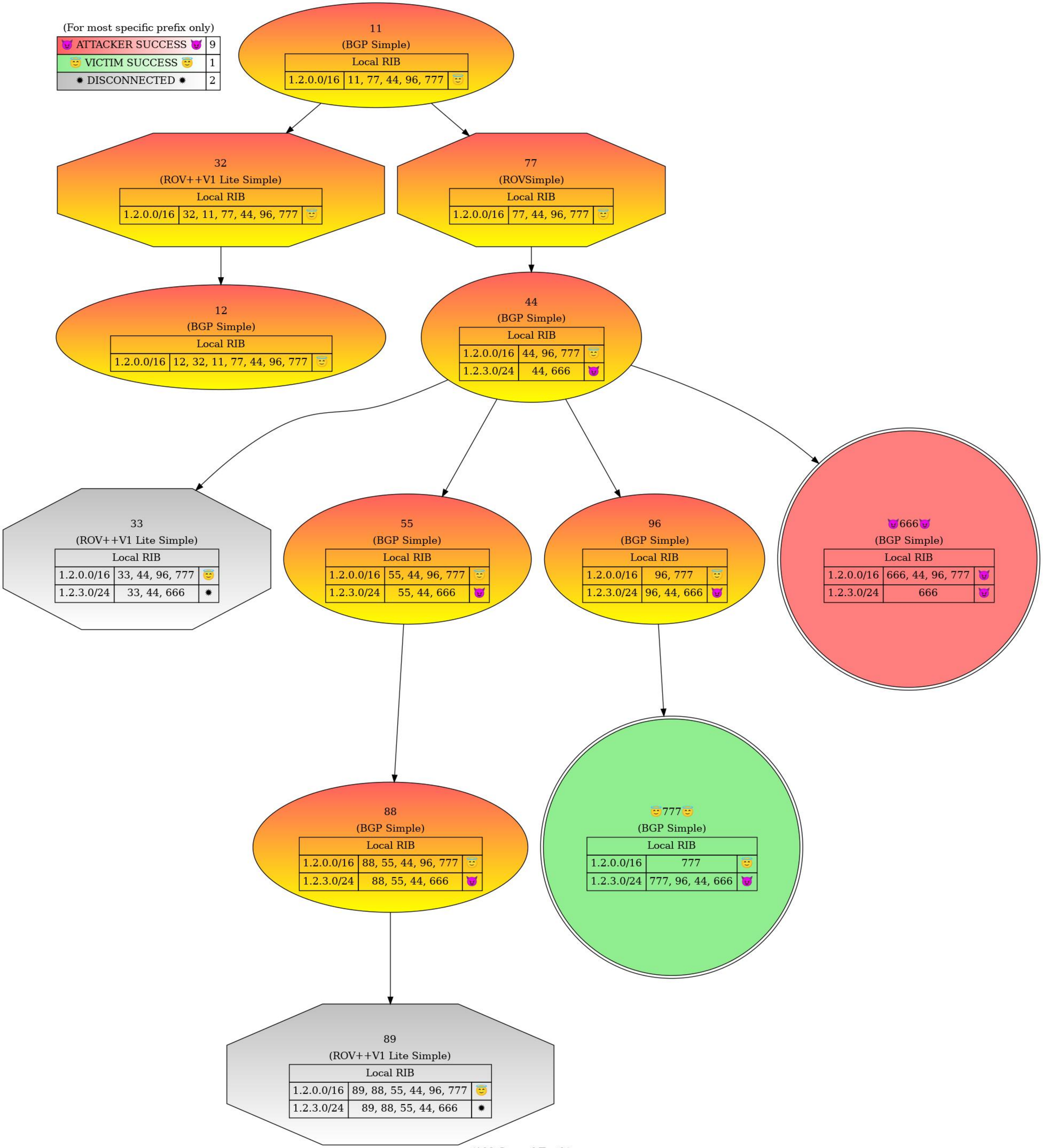
(107 Guess)
Subprefix Hijack with V4 Lite.
Traceback for 1.2.3.0/24



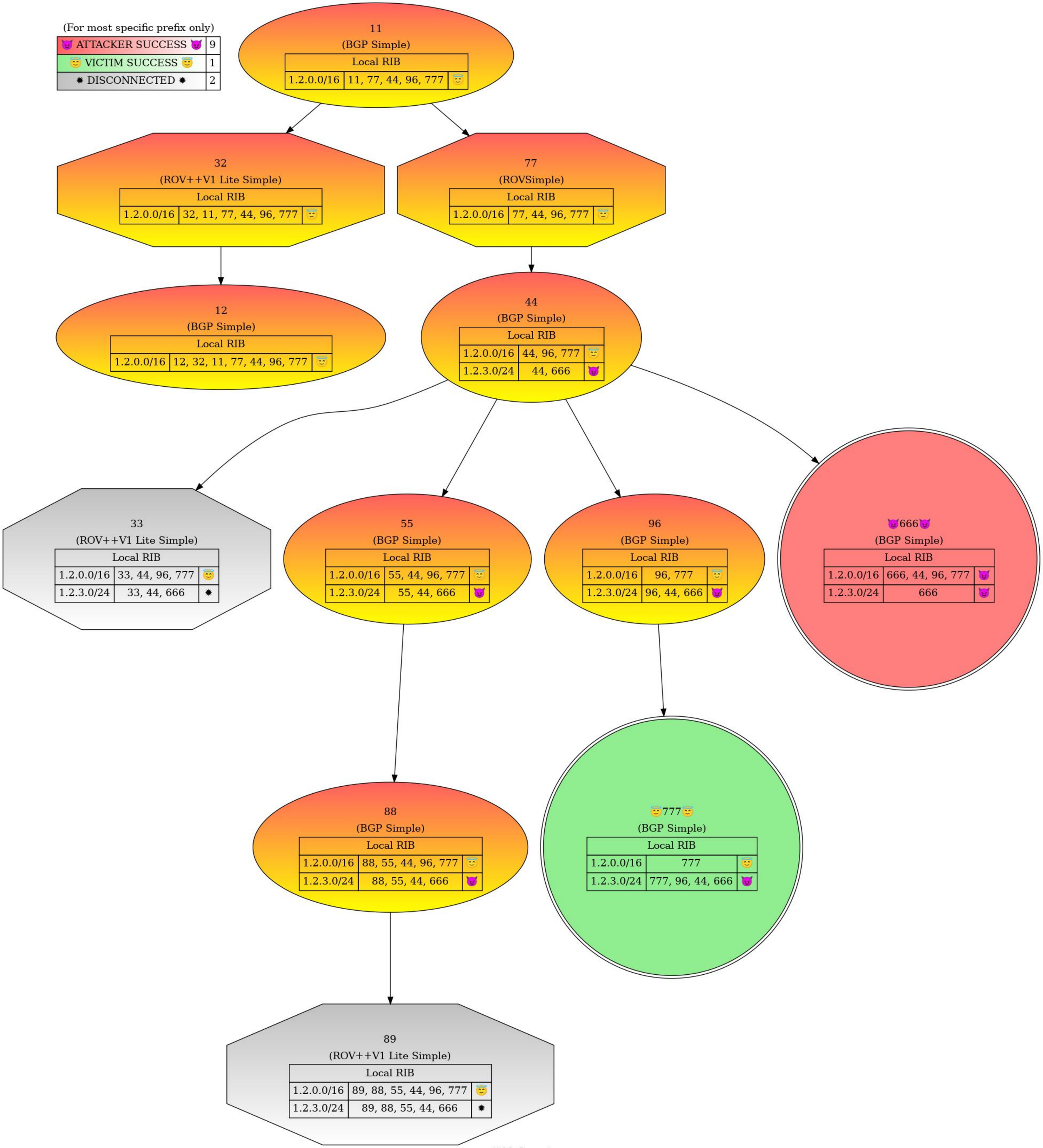
(108 Ground Truth)
Subprefix Hijack with V4 Lite k=1.
Traceback for 1.2.3.0/24



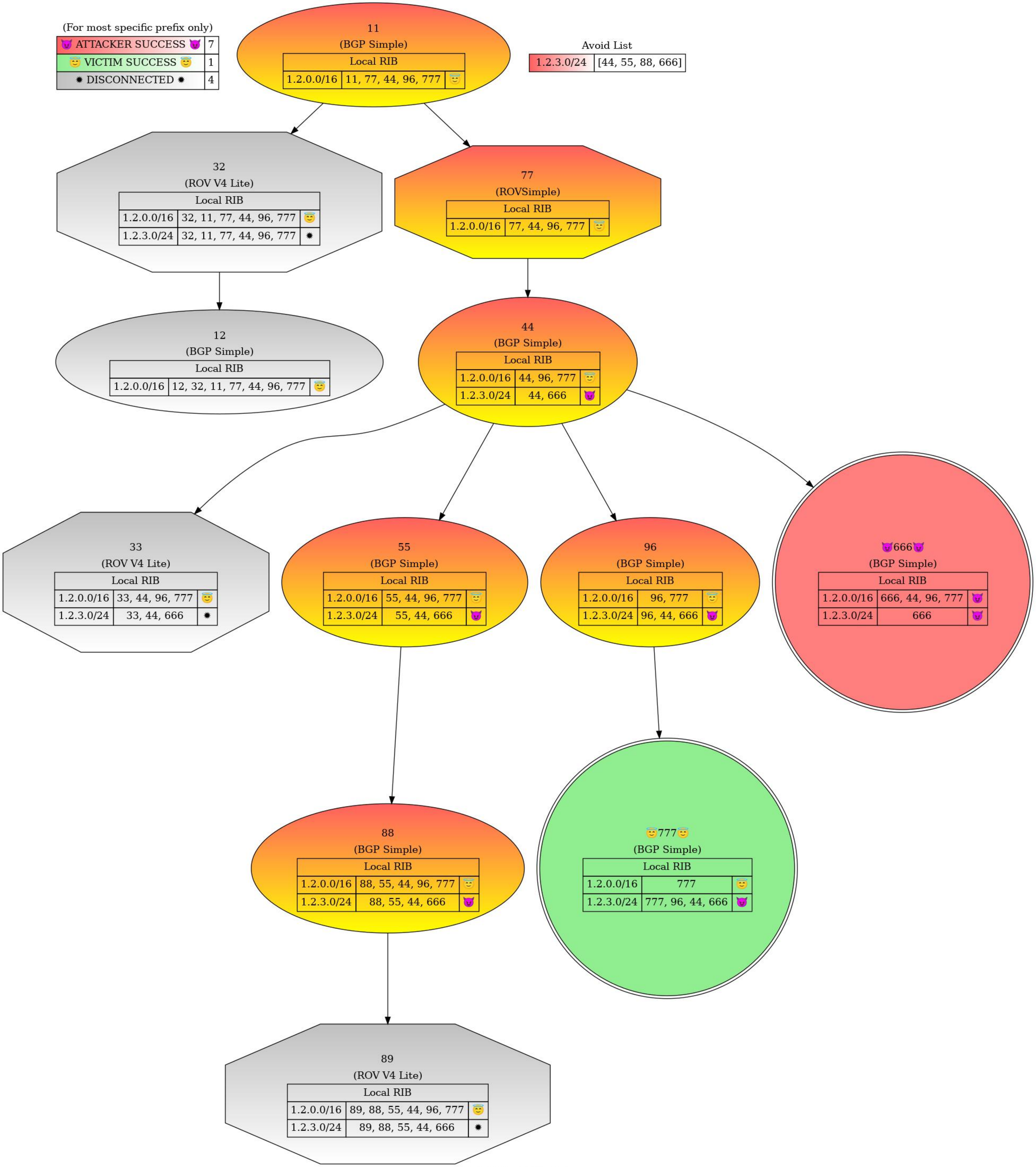
(108 Guess)
Subprefix Hijack with V4 Lite k=1.
Traceback for 1.2.3.0/24



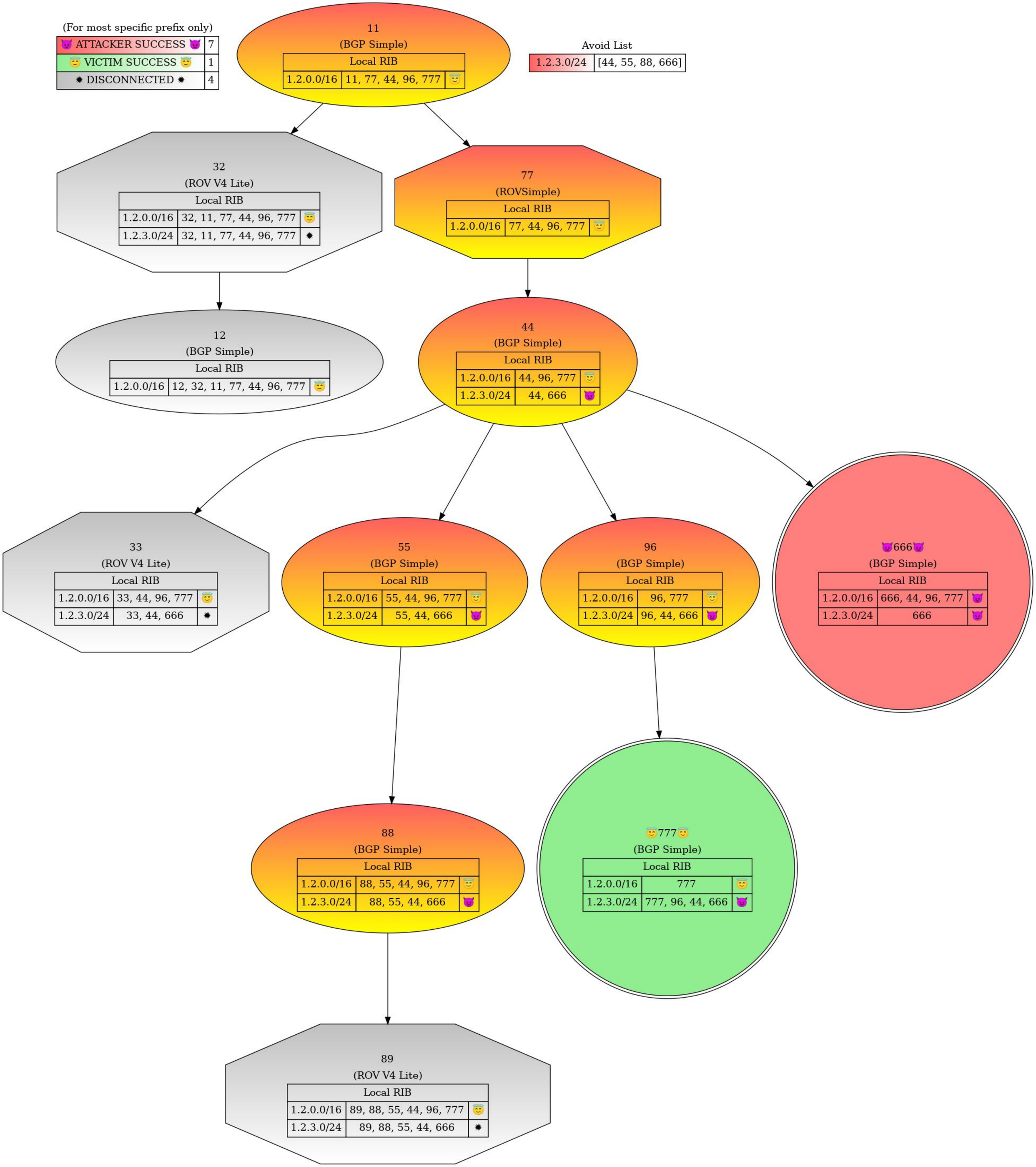
(109 Ground Truth)
Subprefix Hijack with V1 Lite.
Traceback for 1.2.3.0/24



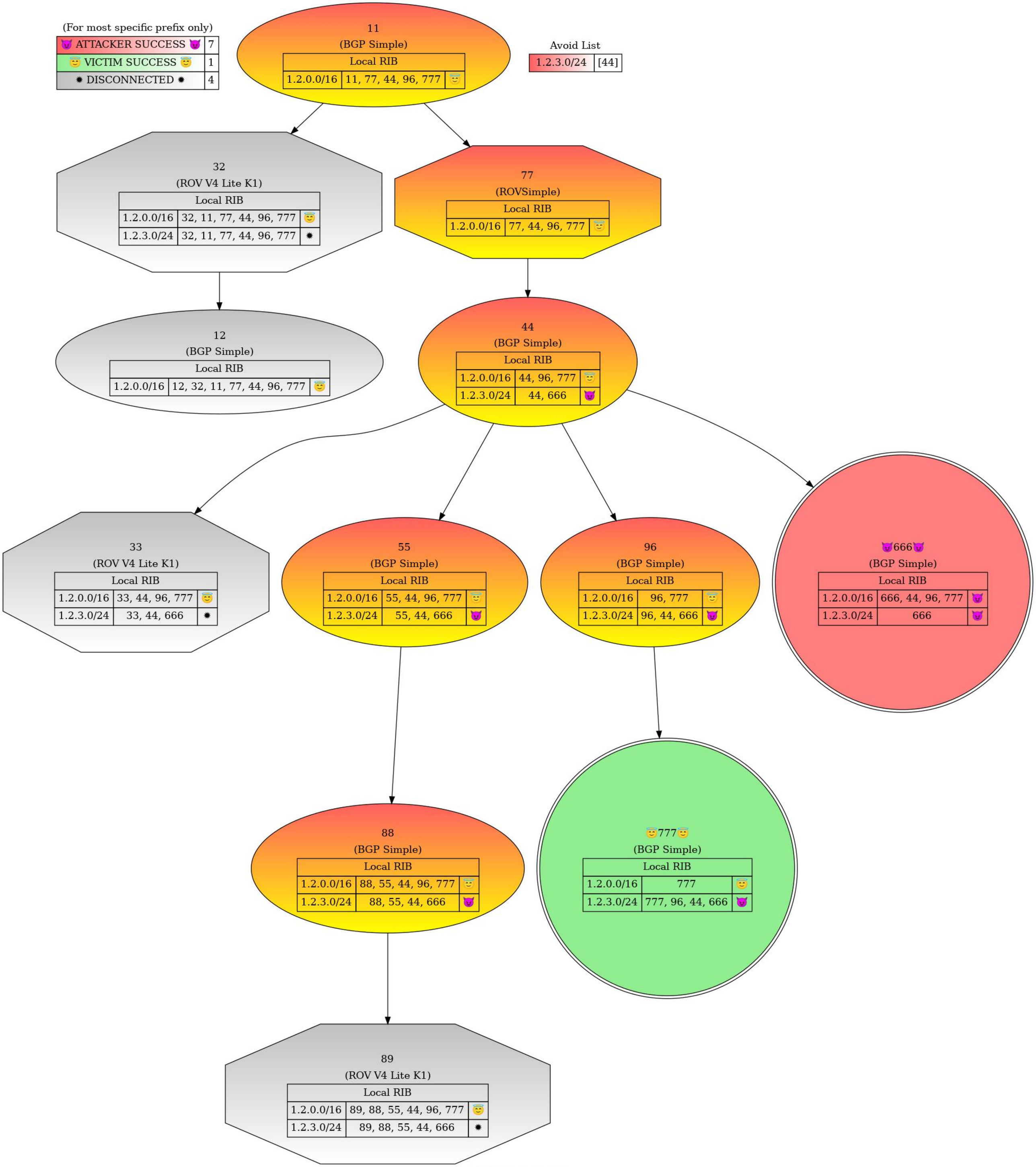
(109 Guess)
Subprefix Hijack with V1 Lite.
Traceback for 1.2.3.0/24



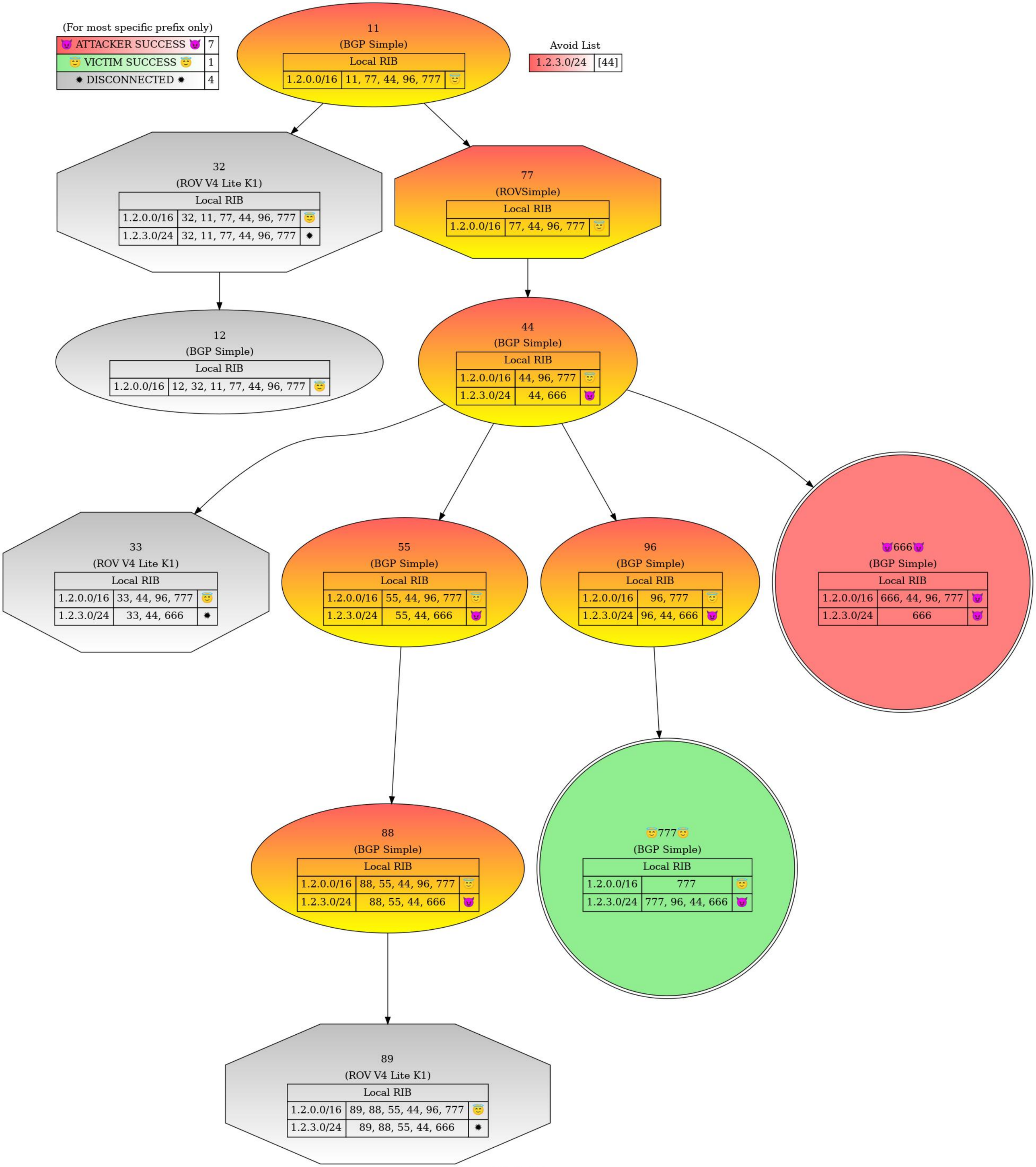
(110 Ground Truth)
Subprefix Hijack with V4 Lite.
Traceback for 1.2.3.0/24



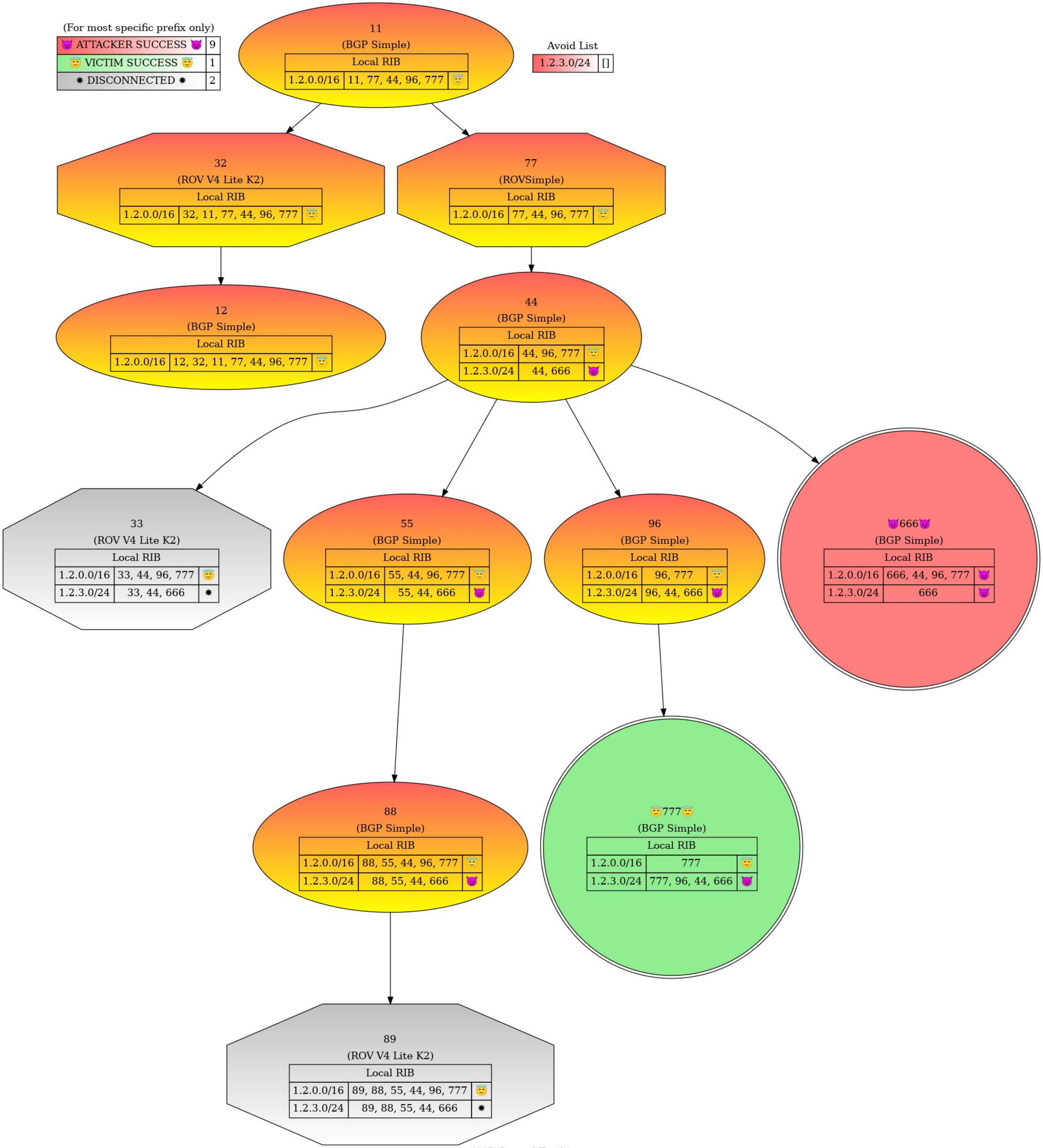
(110 Guess)
Subprefix Hijack with V4 Lite.
Traceback for 1.2.3.0/24



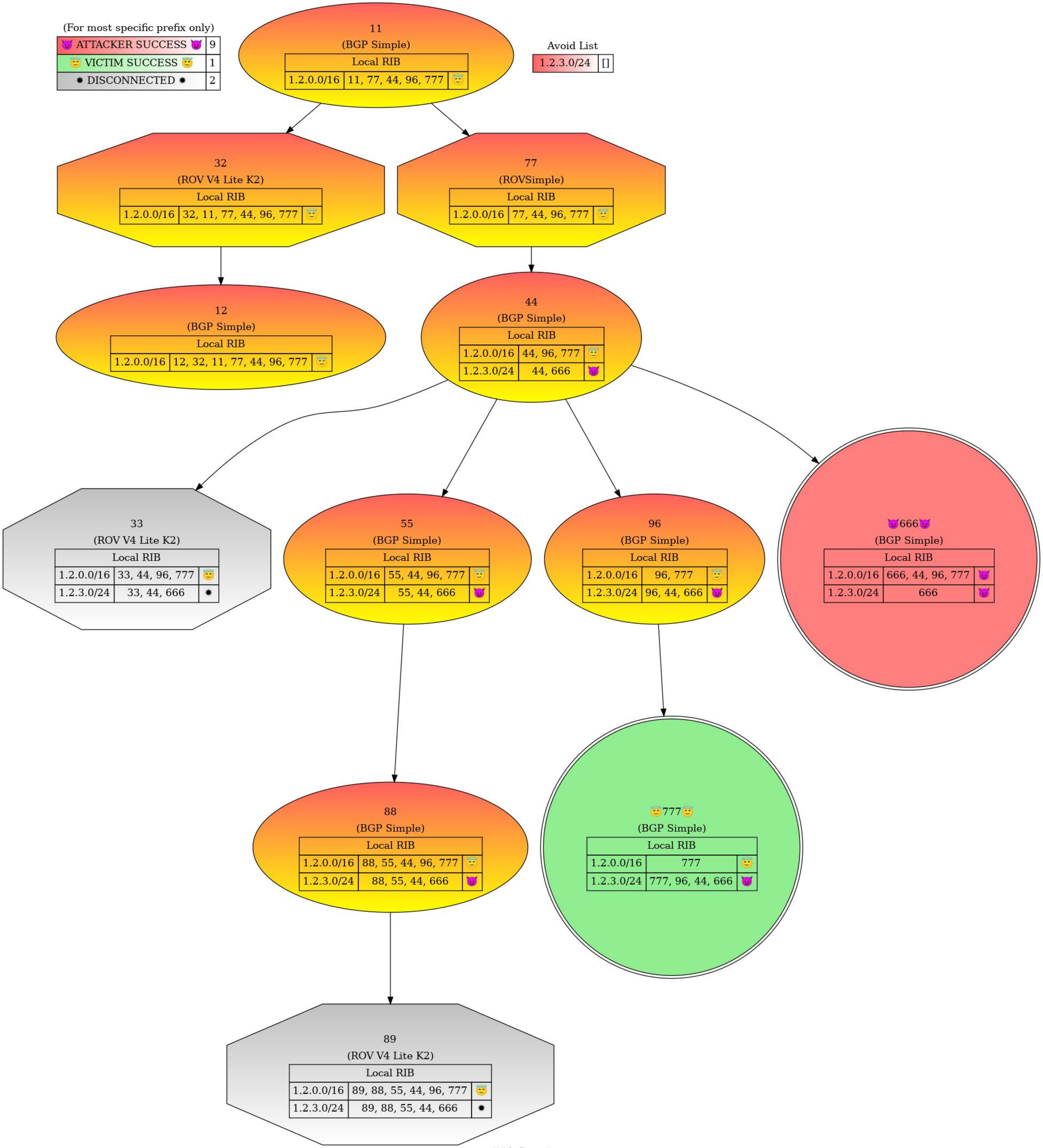
(111 Ground Truth)
Subprefix Hijack with V4 Lite k=1.
Traceback for 1.2.3.0/24



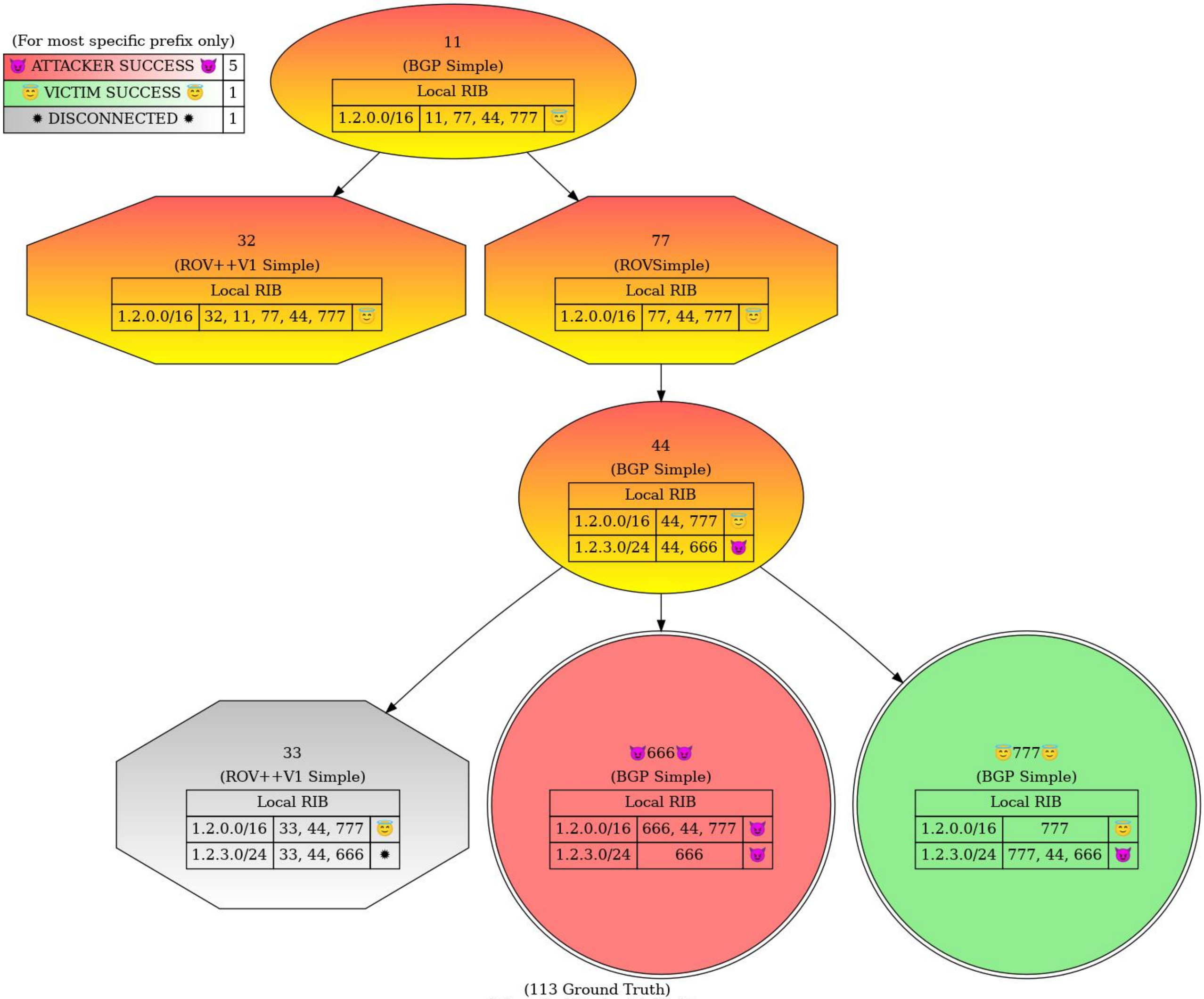
(111 Guess)
Subprefix Hijack with V4 Lite k=1.
Traceback for 1.2.3.0/24



(112 Ground Truth)
Subprefix Hijack with V4 Lite k=2.
Traceback for 1.2.3.0/24



(112 Guess)
Subprefix Hijack with V4 Lite k=2.
Traceback for 1.2.3.0/24



(113 Ground Truth)
Subprefix Hijack with V1 Lite
Traceback for 1.2.3.0/24

(For most specific prefix only)

😈 ATTACKER SUCCESS 😈	5
😇 VICTIM SUCCESS 😇	1
✹ DISCONNECTED ✹	1

11
(BGP Simple)

Local RIB		
1.2.0.0/16	11, 77, 44, 777	😇

32
(ROV++V1 Simple)

Local RIB		
1.2.0.0/16	32, 11, 77, 44, 777	😇

77
(ROVSimple)

Local RIB		
1.2.0.0/16	77, 44, 777	😇

44
(BGP Simple)

Local RIB		
1.2.0.0/16	44, 777	😇
1.2.3.0/24	44, 666	😈

33
(ROV++V1 Simple)

Local RIB		
1.2.0.0/16	33, 44, 777	😇
1.2.3.0/24	33, 44, 666	✹

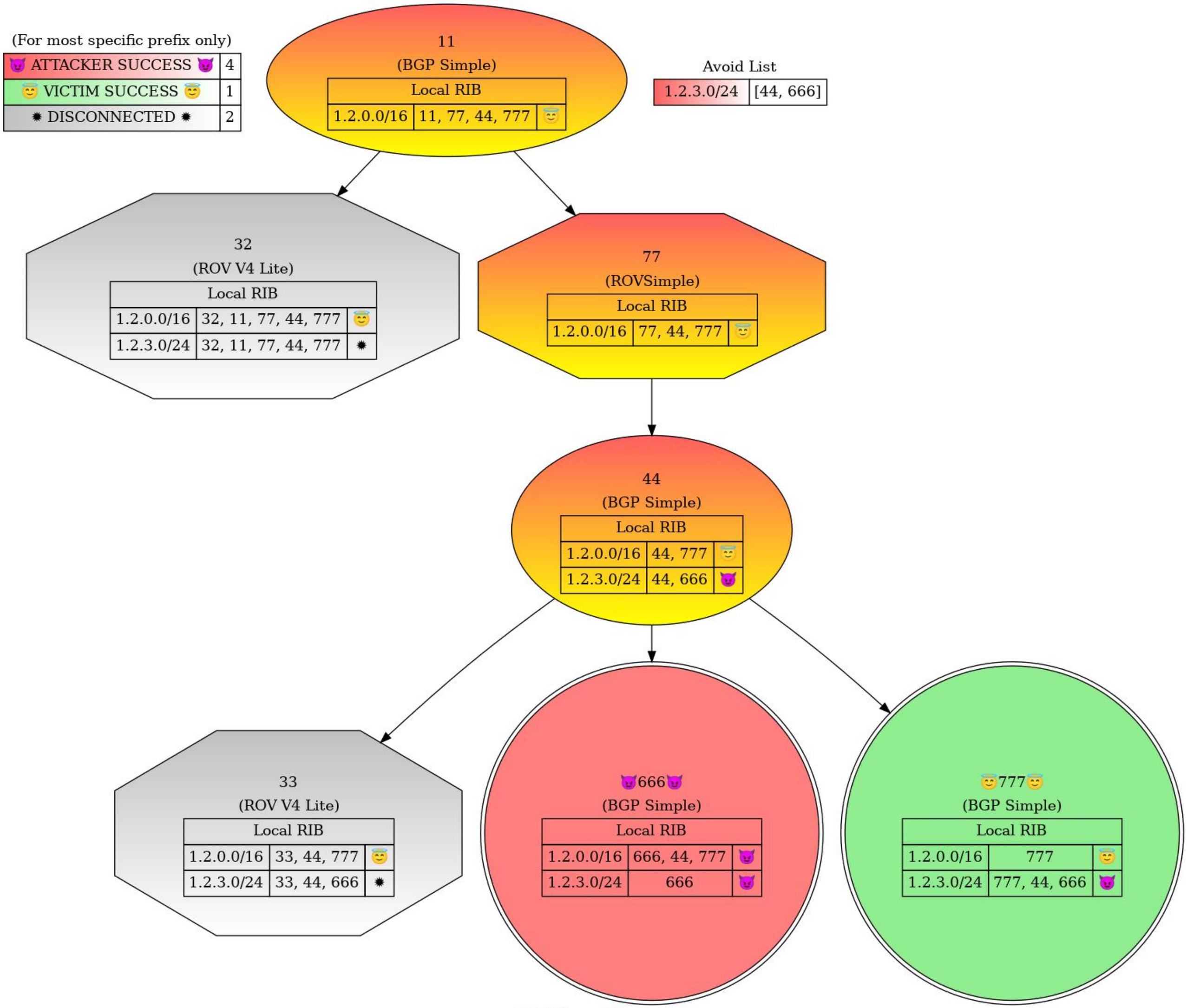
😈666😈
(BGP Simple)

Local RIB		
1.2.0.0/16	666, 44, 777	😈
1.2.3.0/24	666	😈

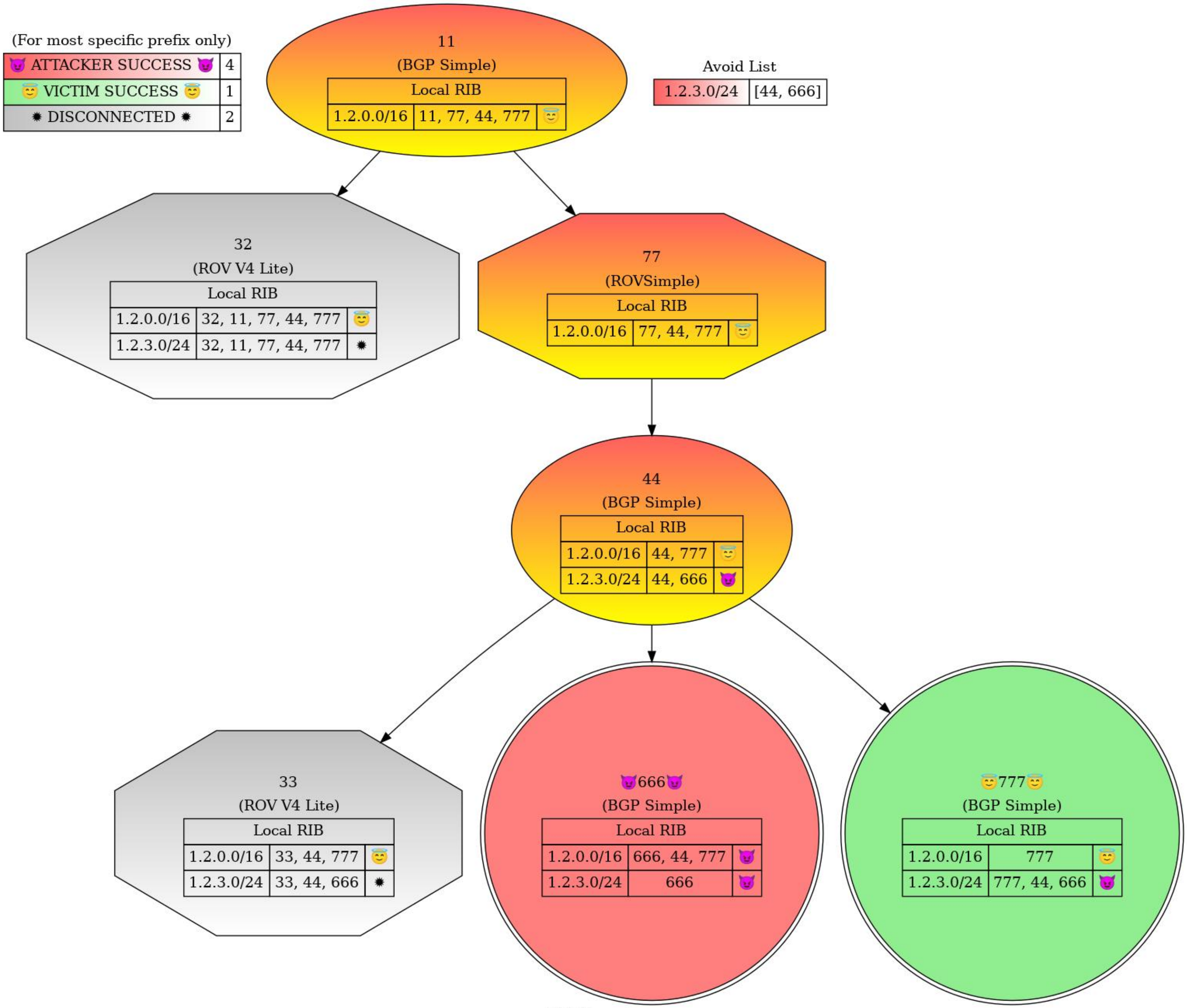
😇777😇
(BGP Simple)

Local RIB		
1.2.0.0/16	777	😇
1.2.3.0/24	777, 44, 666	😈

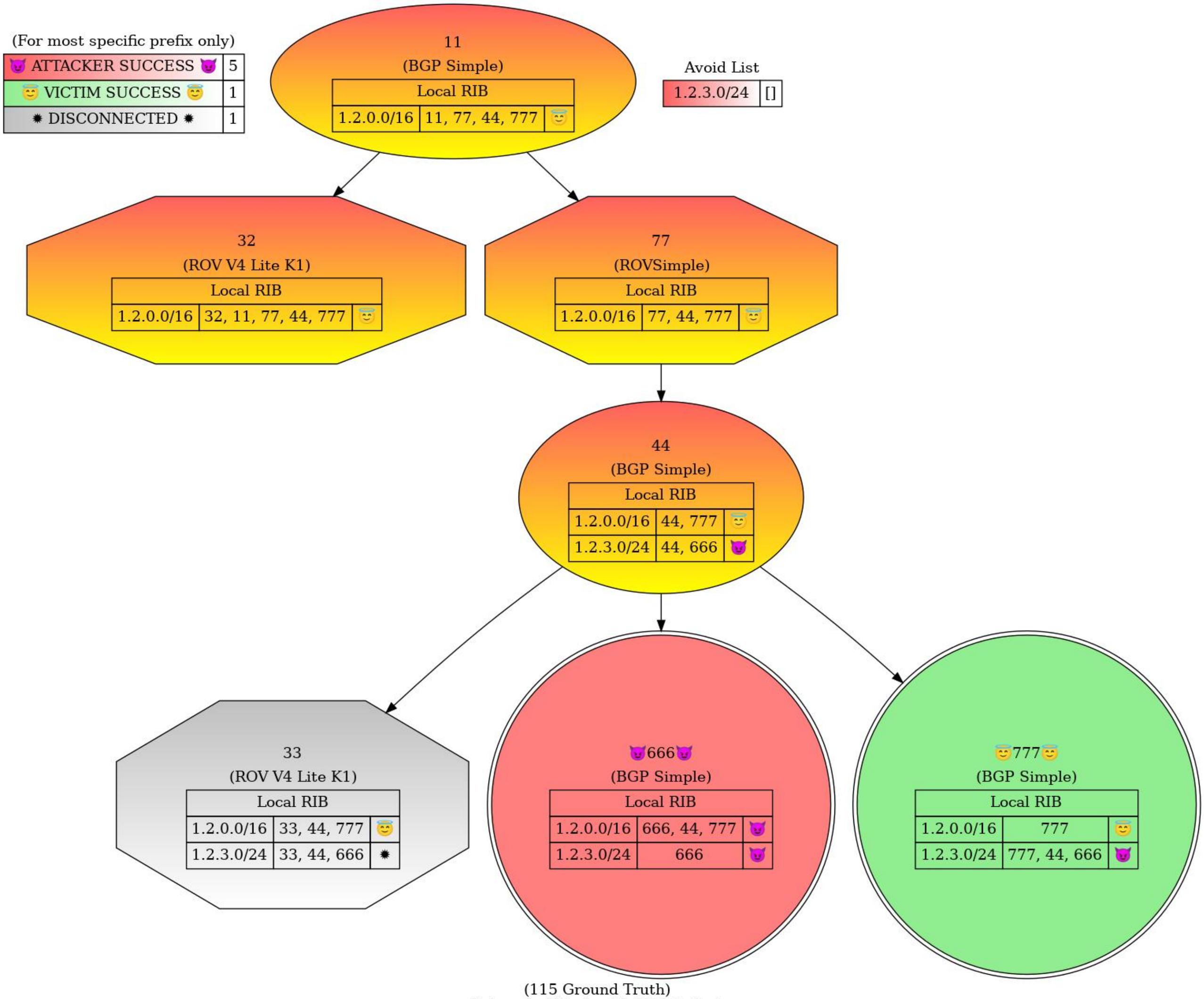
(113 Guess)
Subprefix Hijack with V1 Lite
Traceback for 1.2.3.0/24



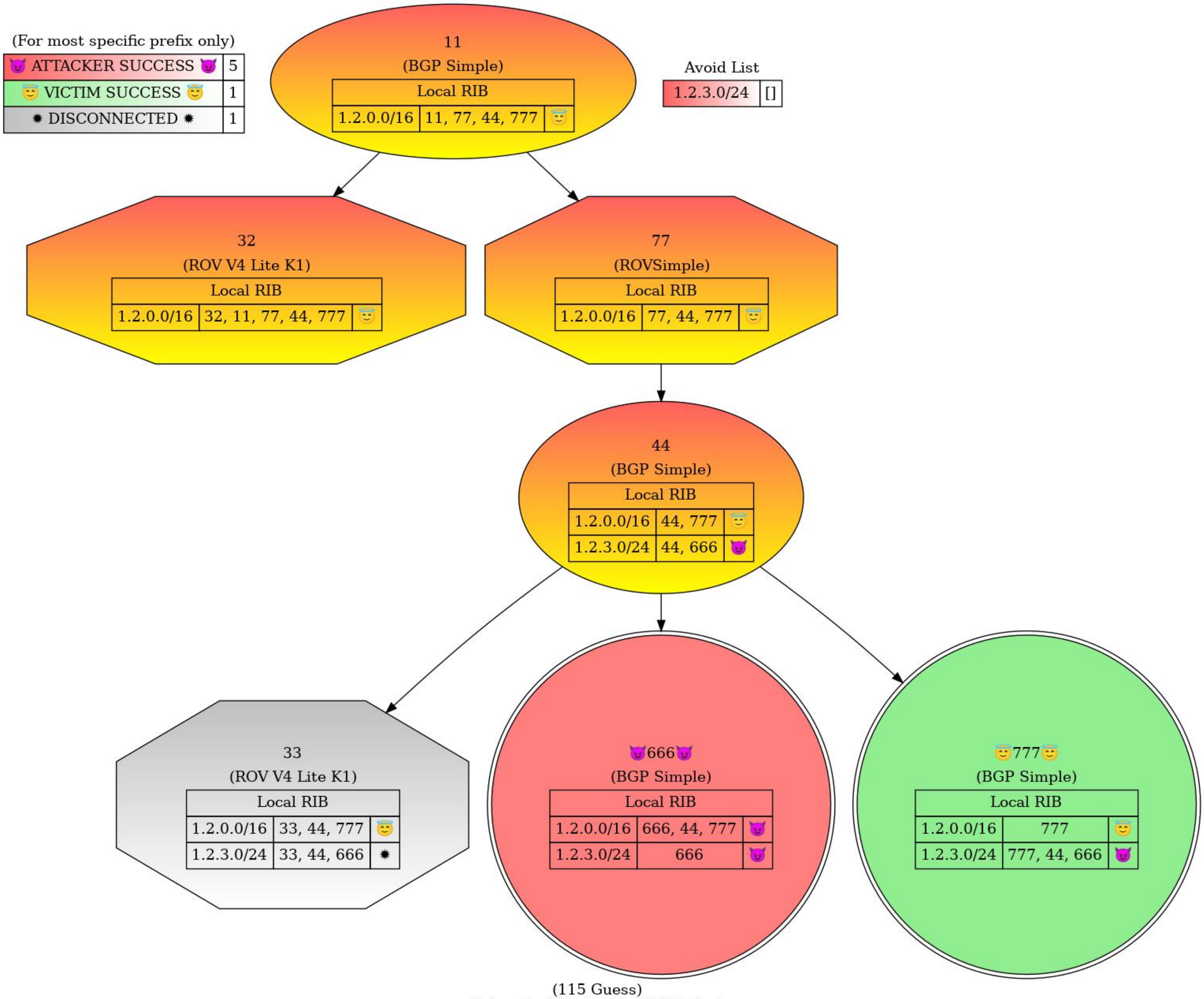
(114 Ground Truth)
Subprefix Hijack with V4 Lite
Traceback for 1.2.3.0/24



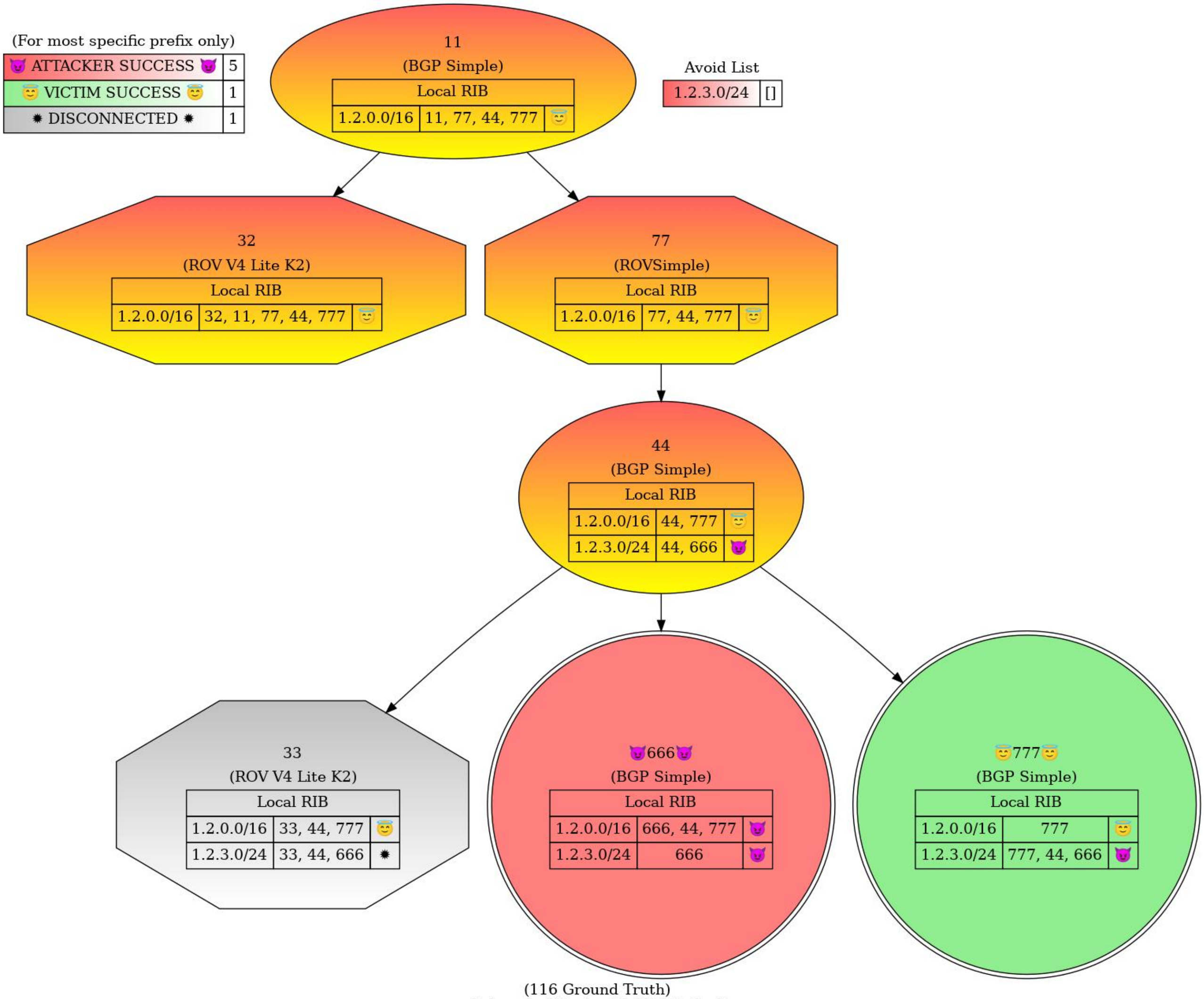
(114 Guess)
Subprefix Hijack with V4 Lite
Traceback for 1.2.3.0/24



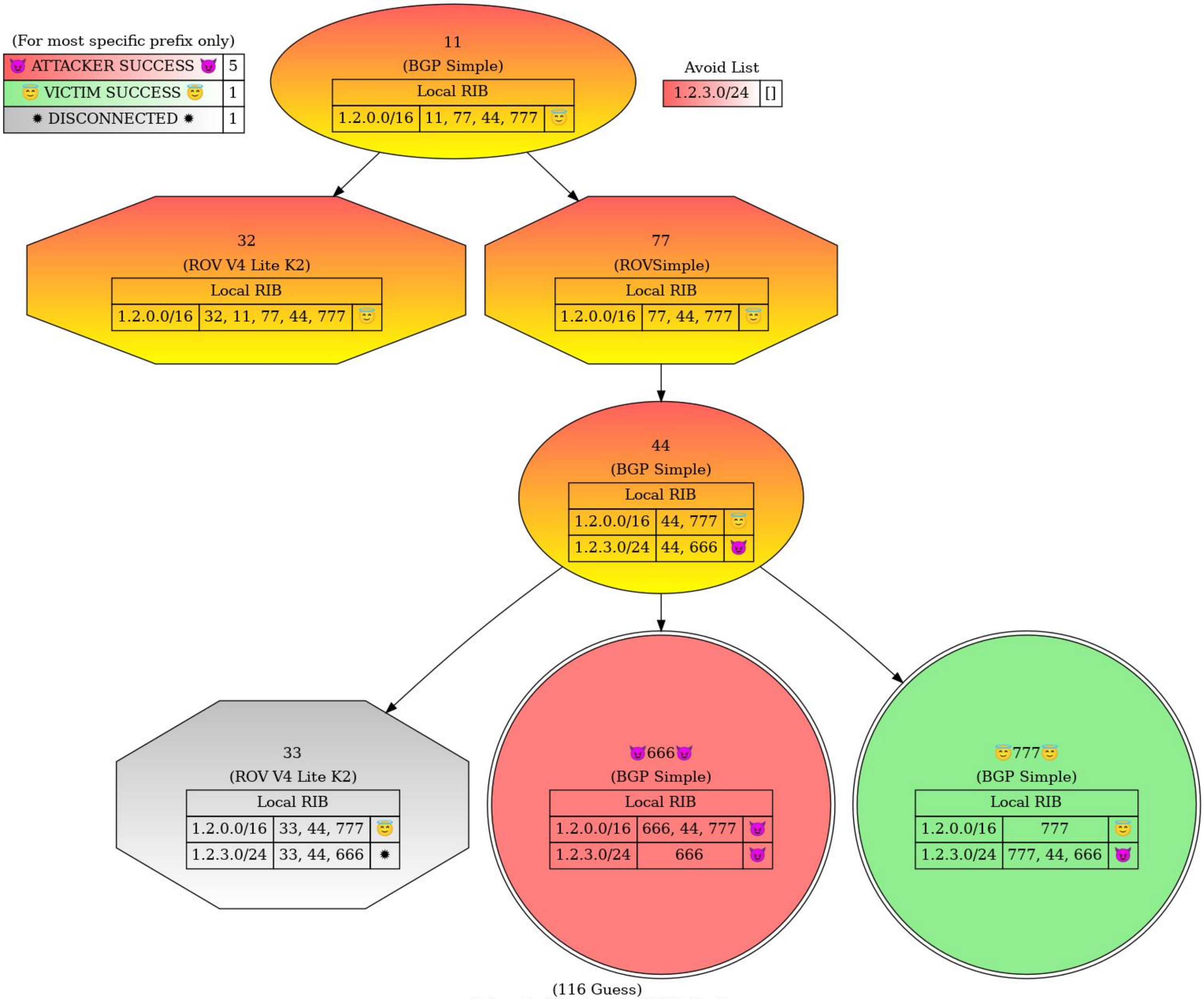
(115 Ground Truth)
Subprefix Hijack with V4 Lite k=1
Traceback for 1.2.3.0/24



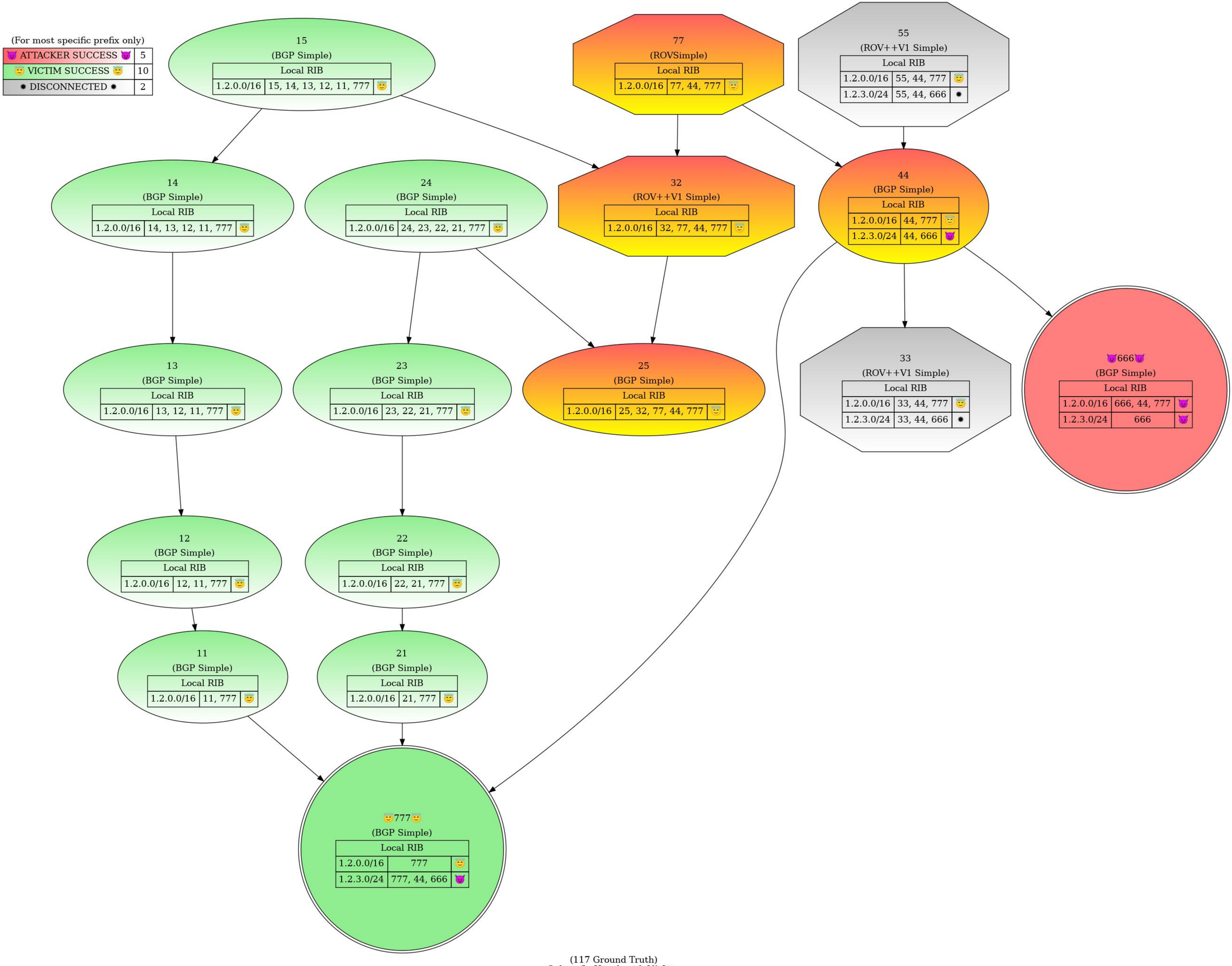
(115 Guess)
Subprefix Hijack with V4 Lite k=1
Traceback for 1.2.3.0/24



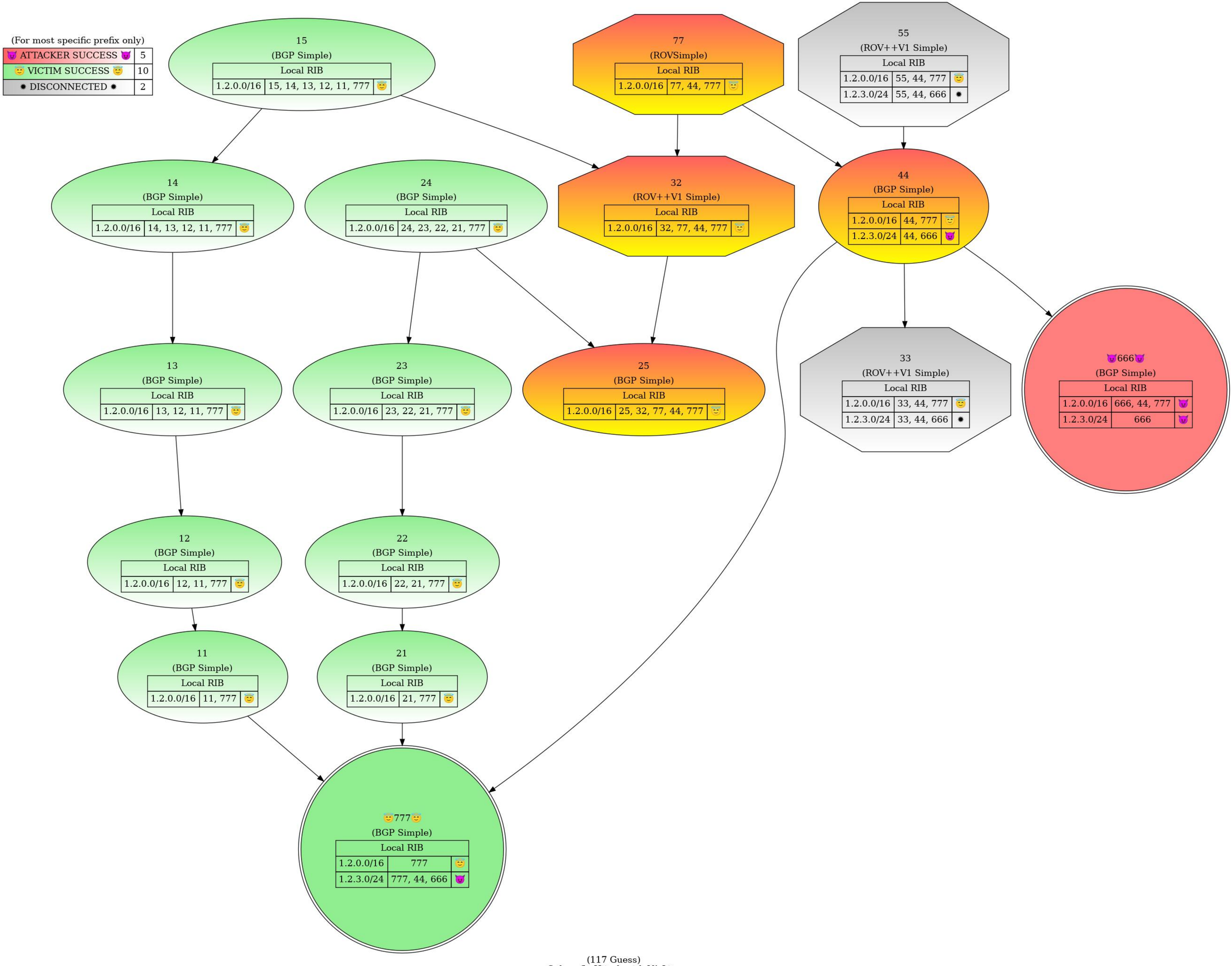
(116 Ground Truth)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



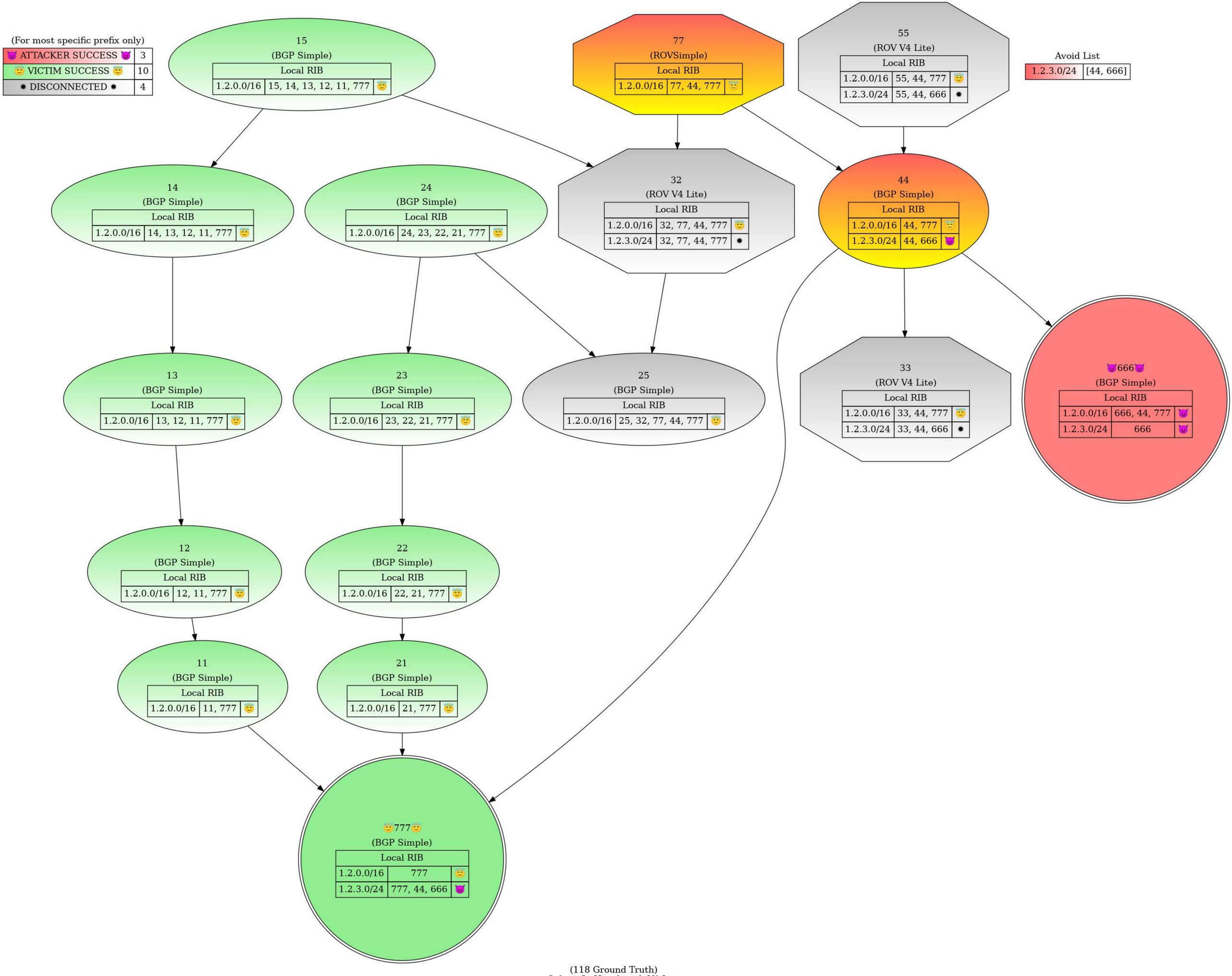
(116 Guess)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



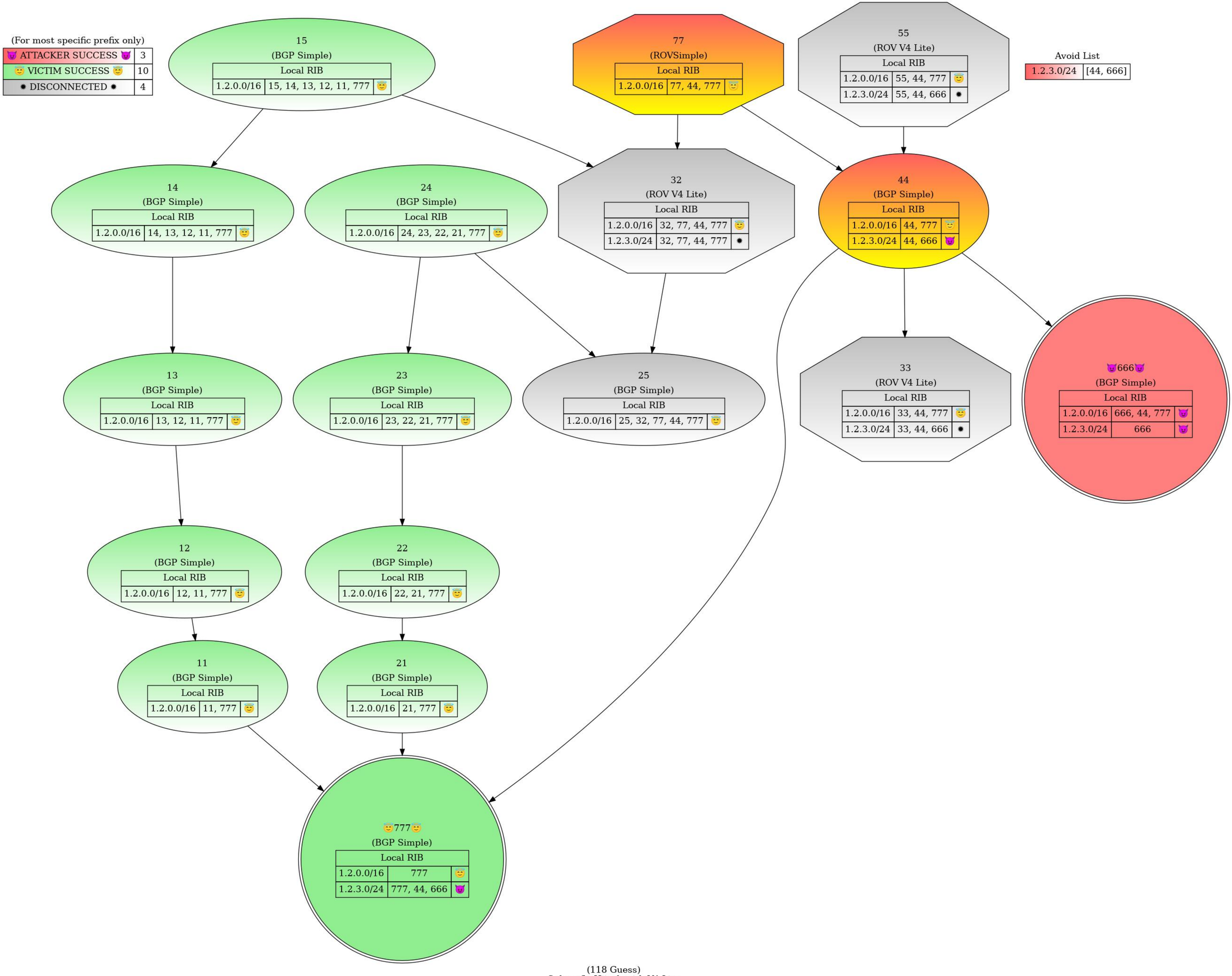
(117 Ground Truth)
Subprefix Hijack with V1 Lite
Traceback for 1.2.3.0/24



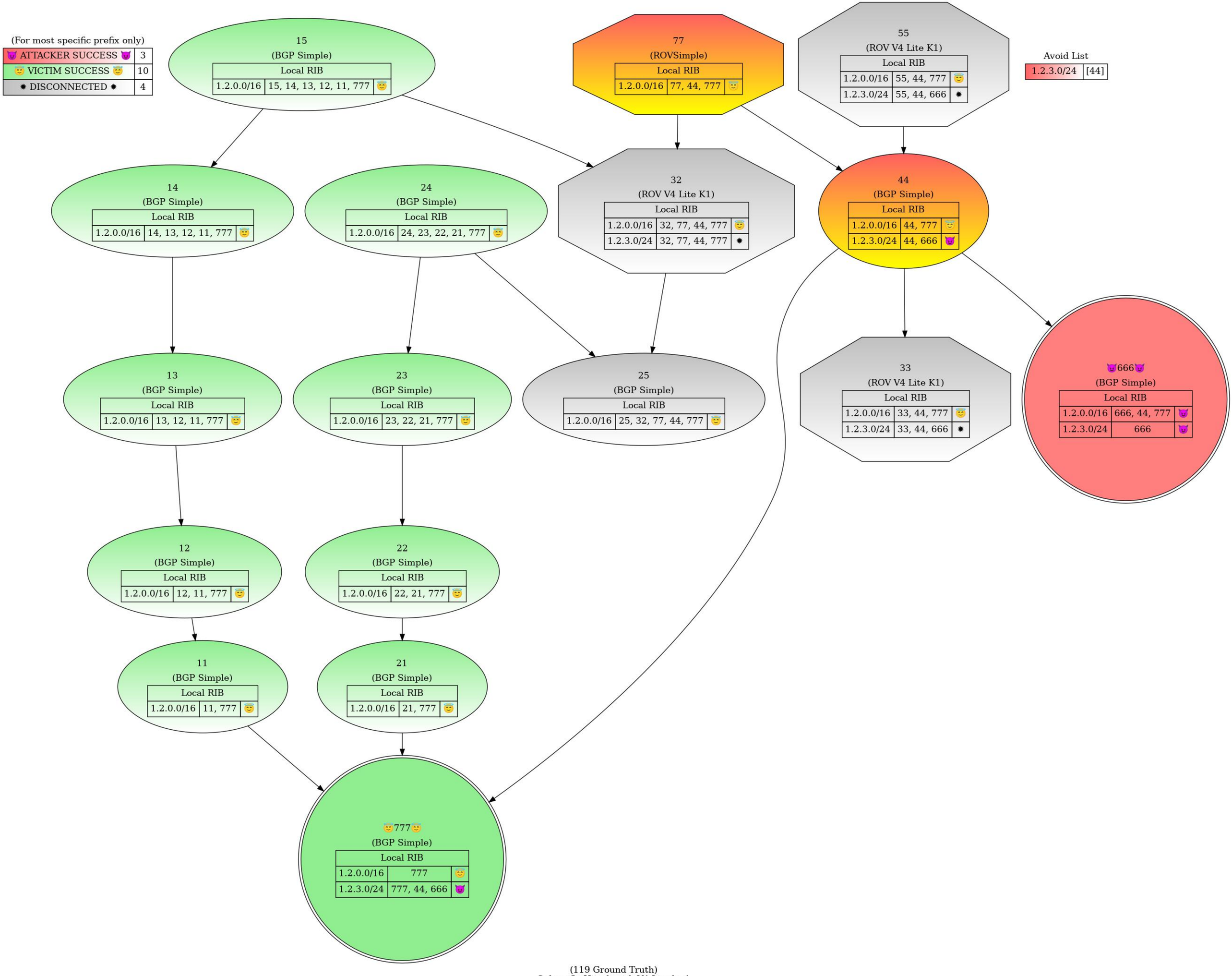
(117 Guess)
Subprefix Hijack with V1 Lite
Traceback for 1.2.3.0/24



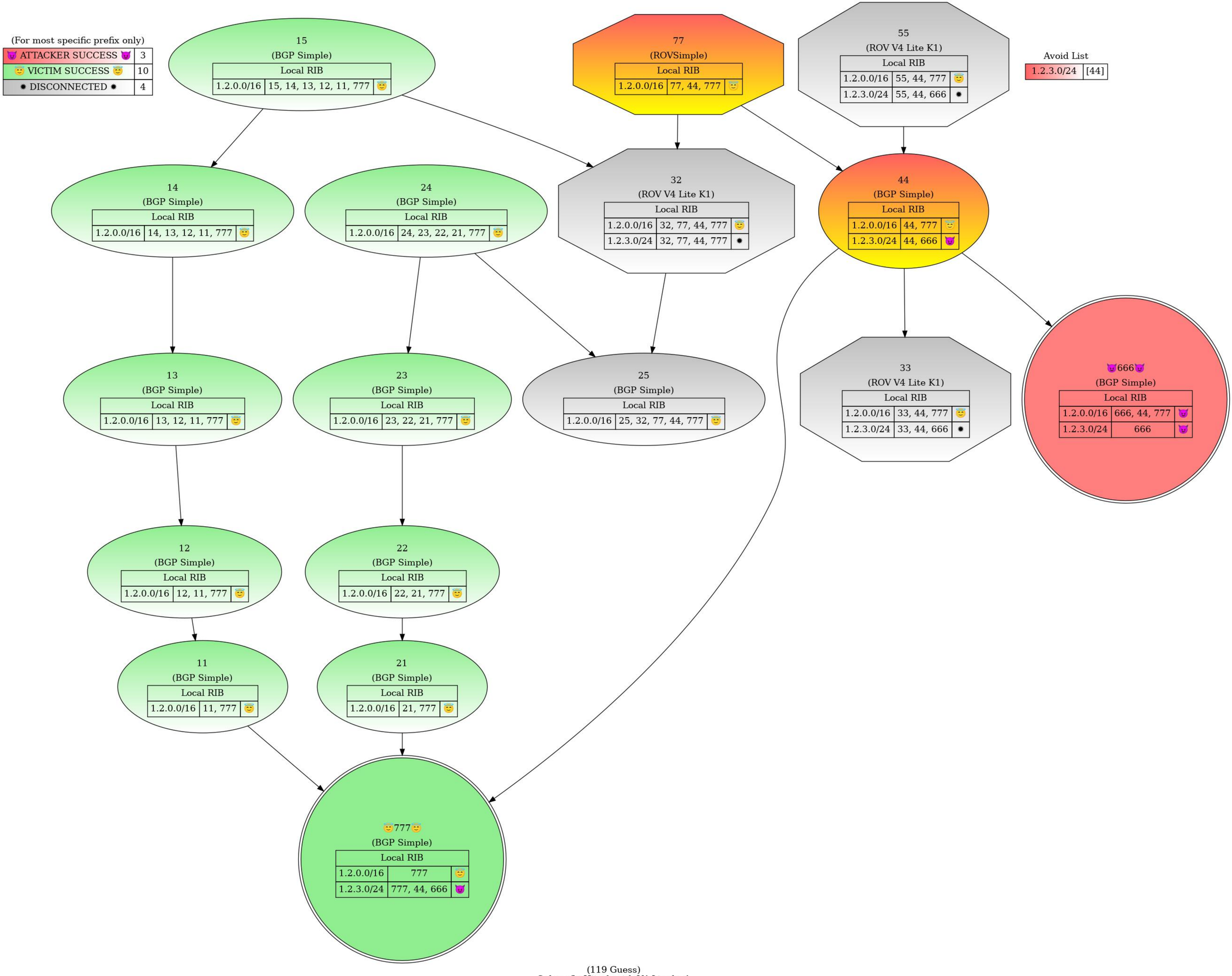
(118 Ground Truth)
Subprefix Hijack with V4 Lite
Traceback for 1.2.3.0/24



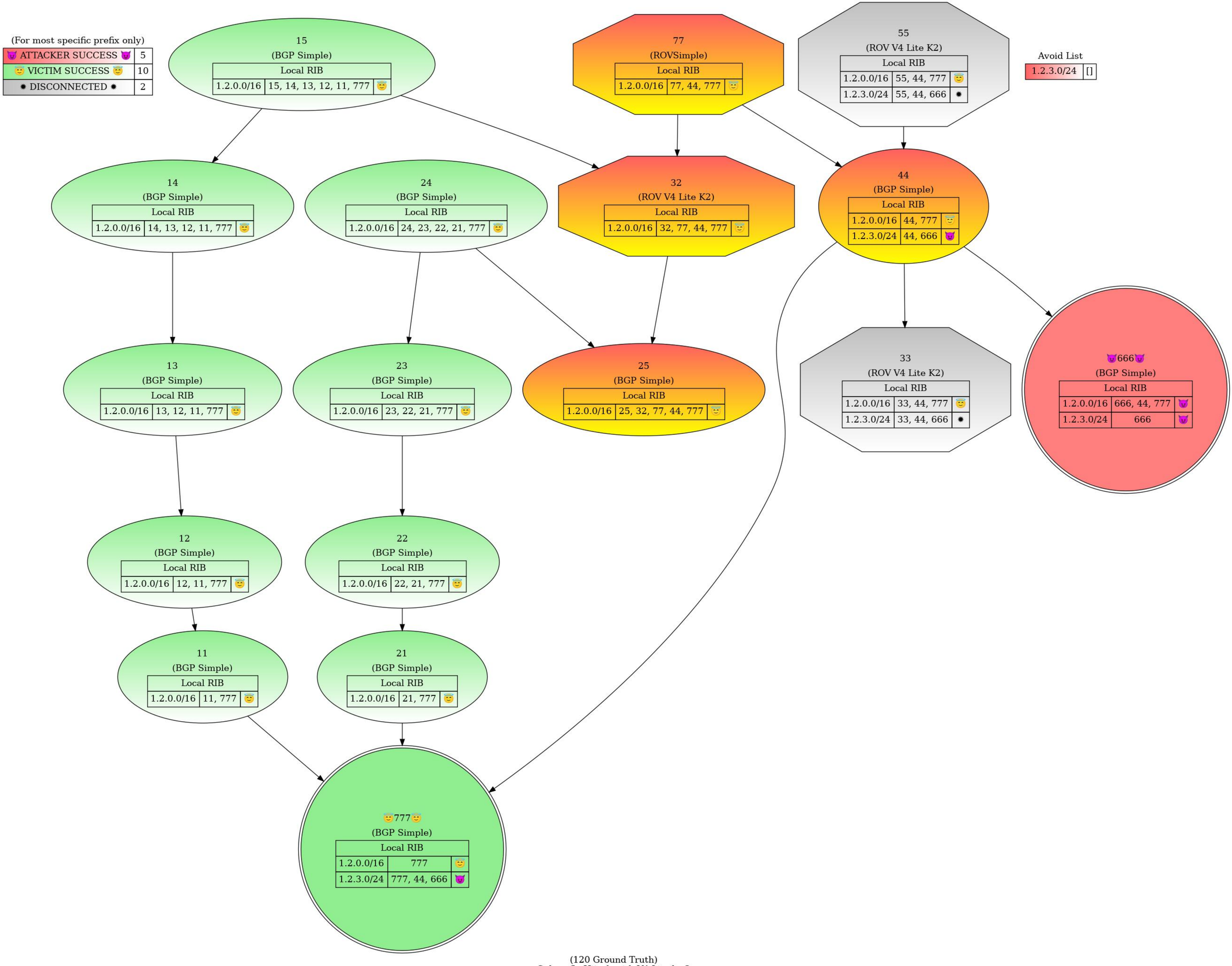
(118 Guess)
Subprefix Hijack with V4 Lite
Traceback for 1.2.3.0/24



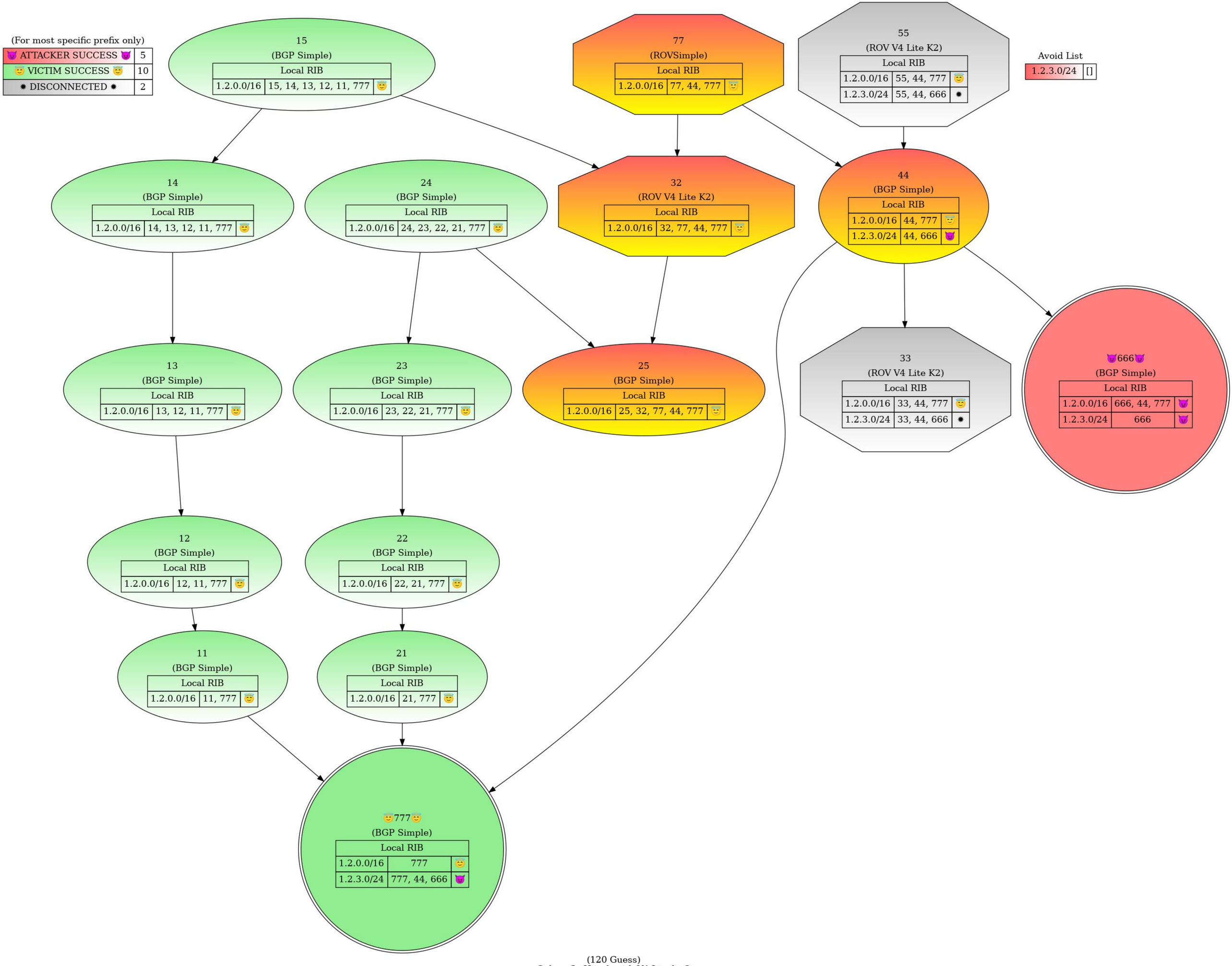
(119 Ground Truth)
Subprefix Hijack with V4 Lite k=1
Traceback for 1.2.3.0/24



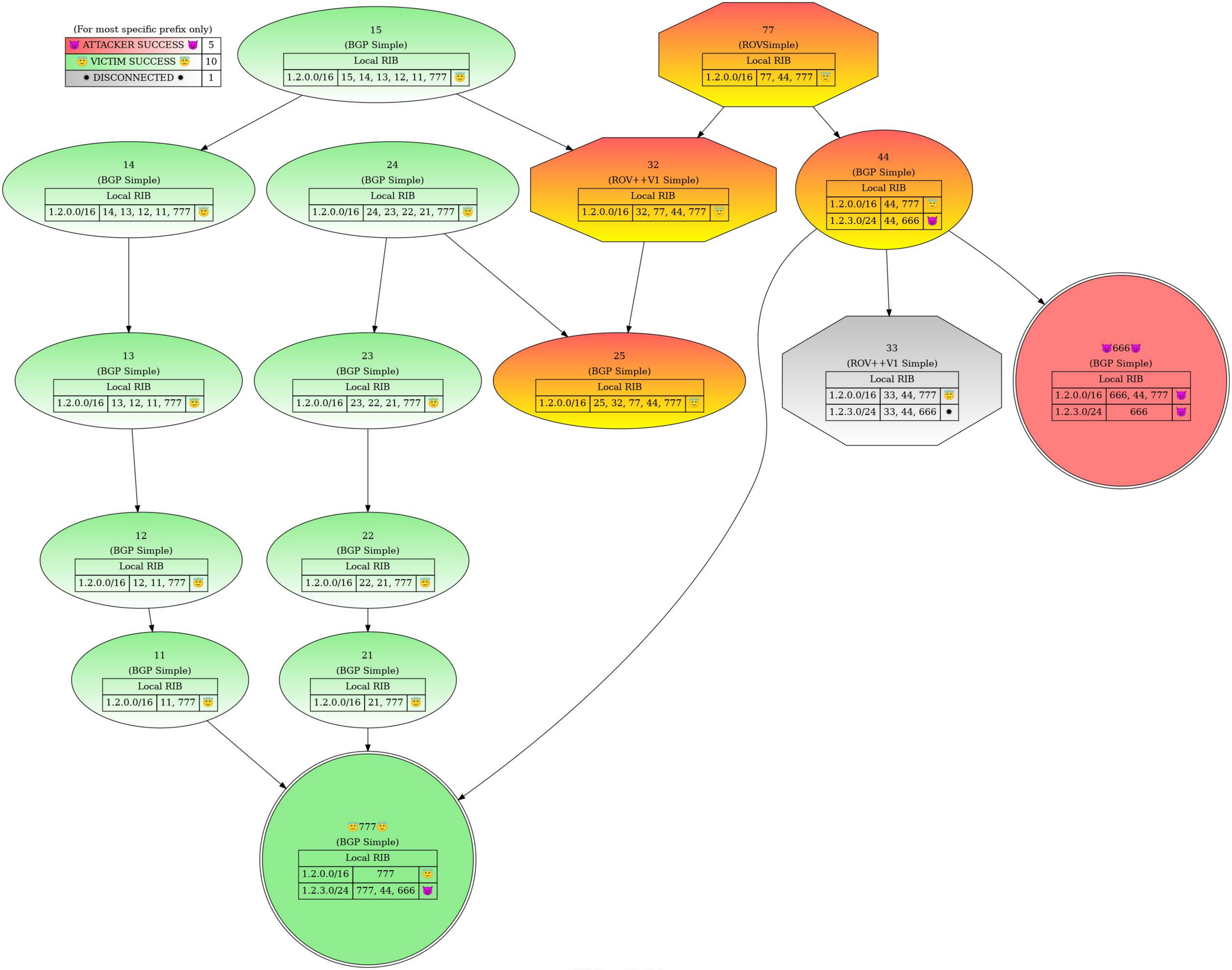
(119 Guess)
Subprefix Hijack with V4 Lite k=1
Traceback for 1.2.3.0/24



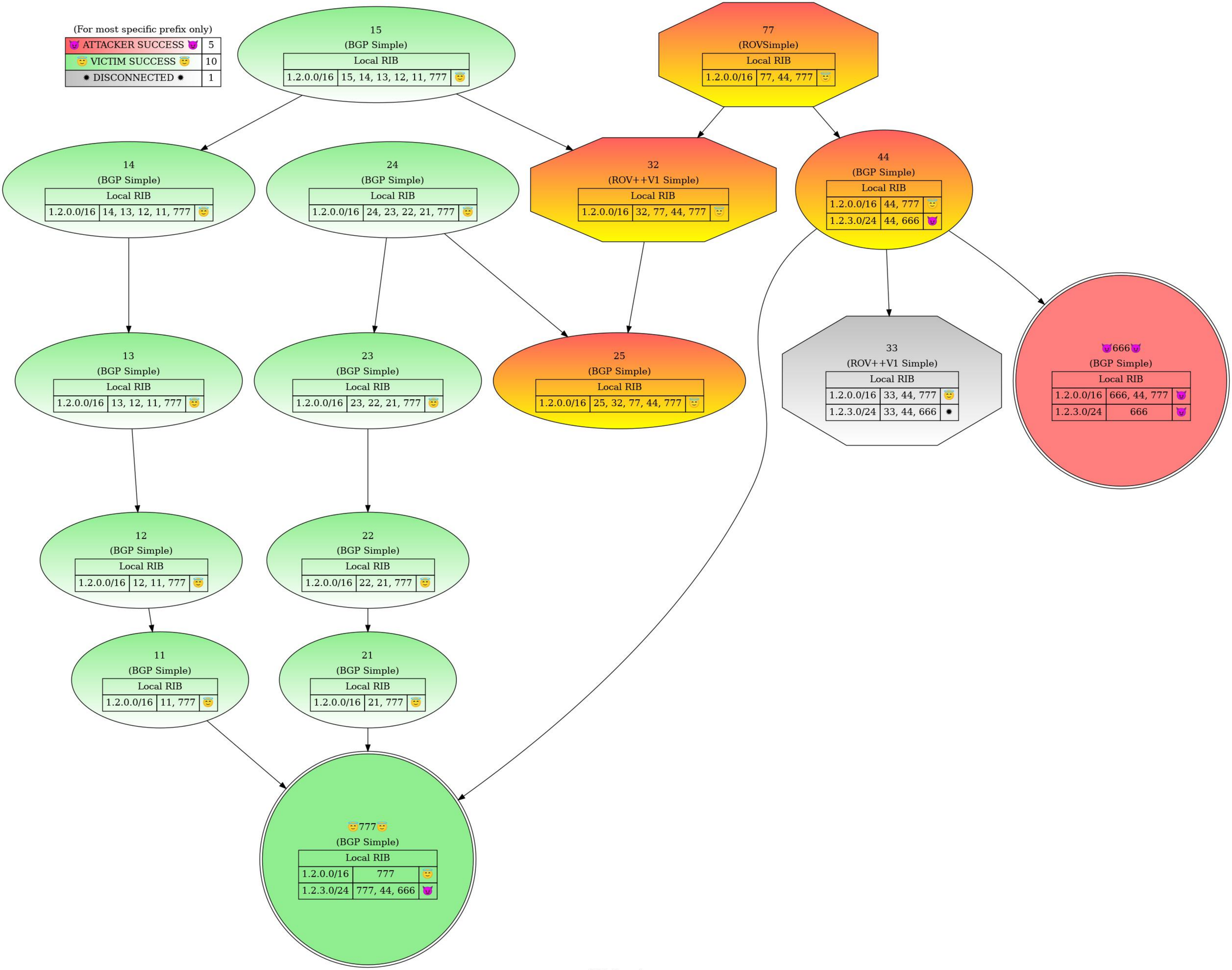
(120 Ground Truth)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



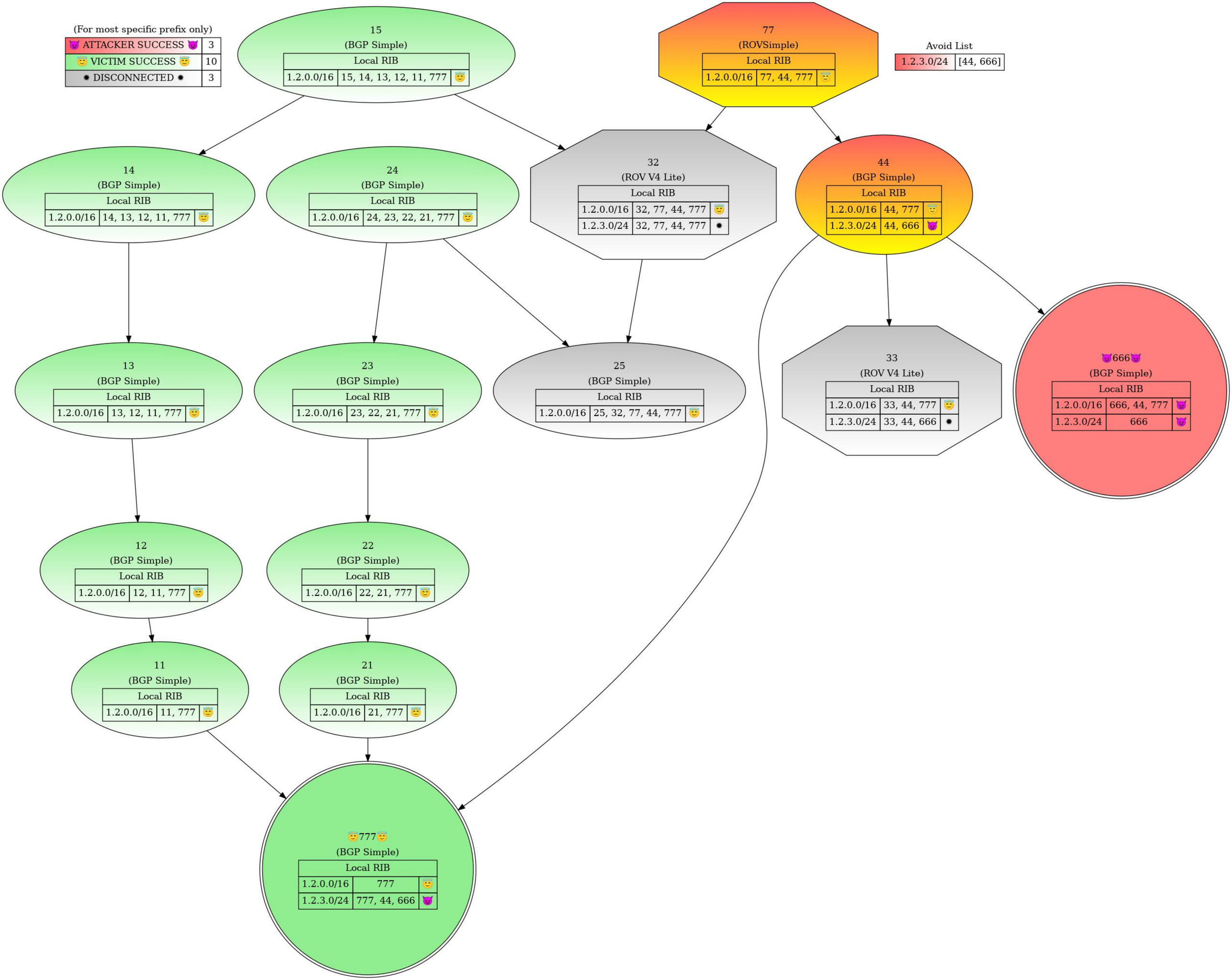
(120 Guess)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



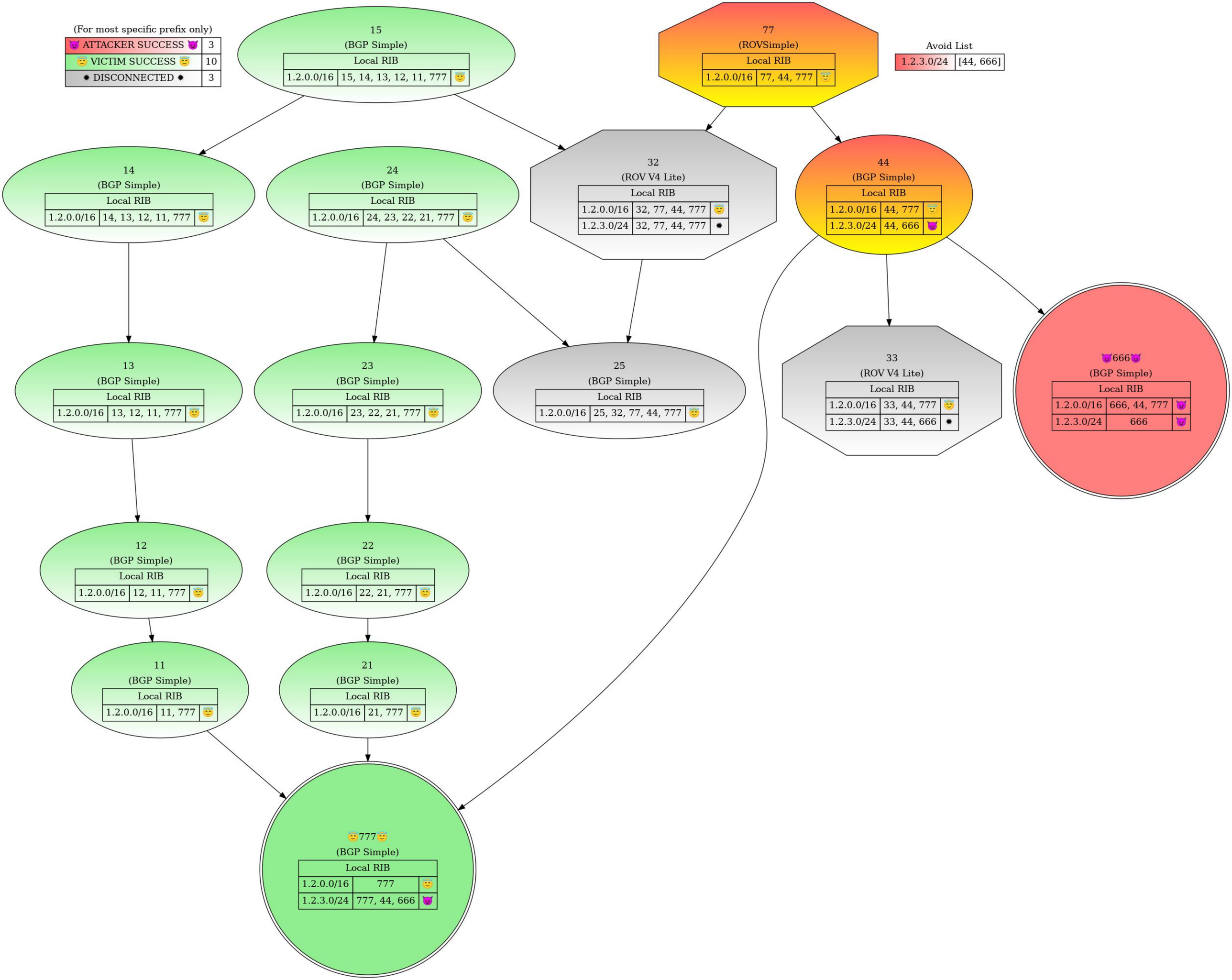
(121 Ground Truth)
Subprefix Hijack with V1 Lite
Traceback for 1.2.3.0/24



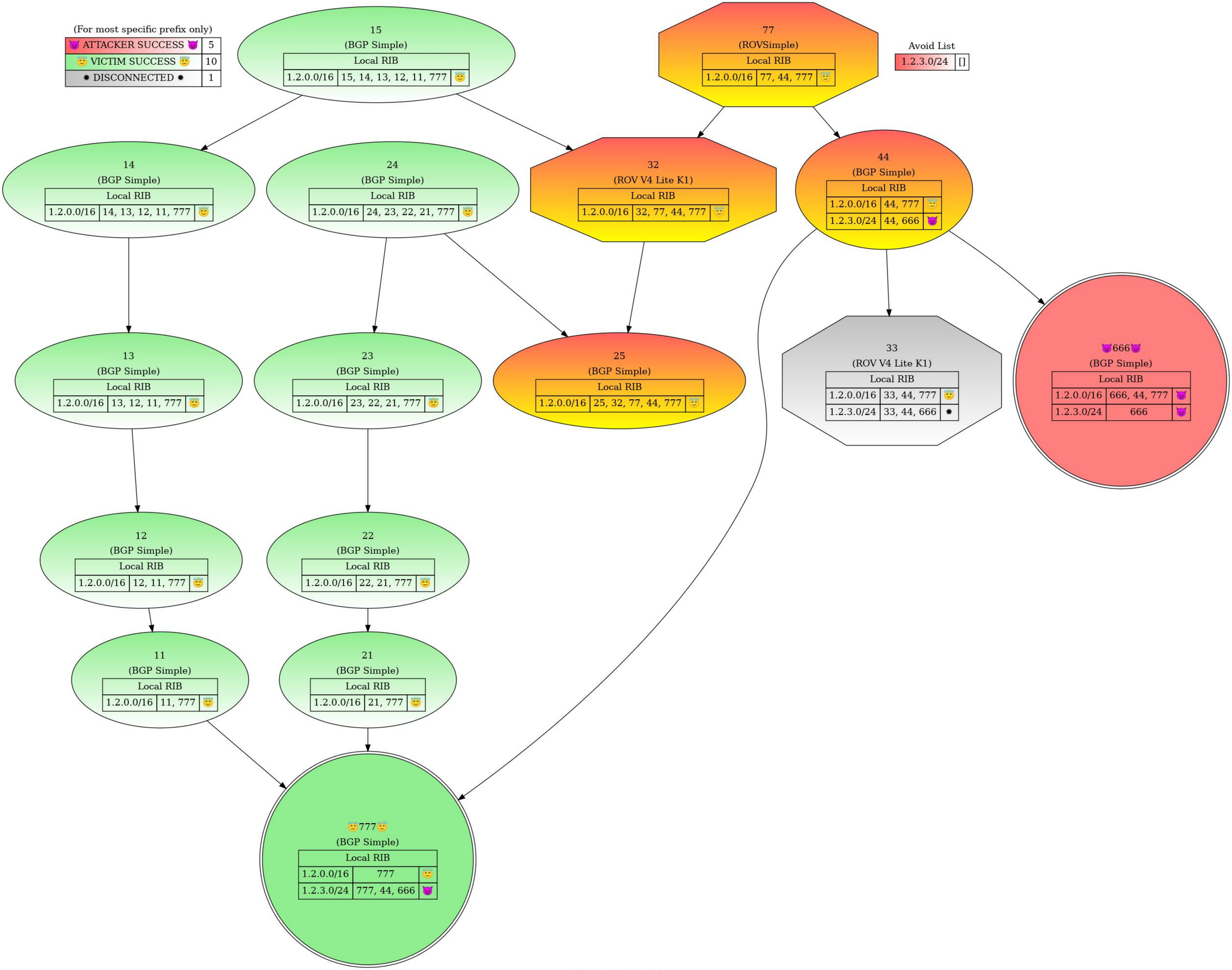
(121 Guess)
Subprefix Hijack with V1 Lite
Traceback for 1.2.3.0/24



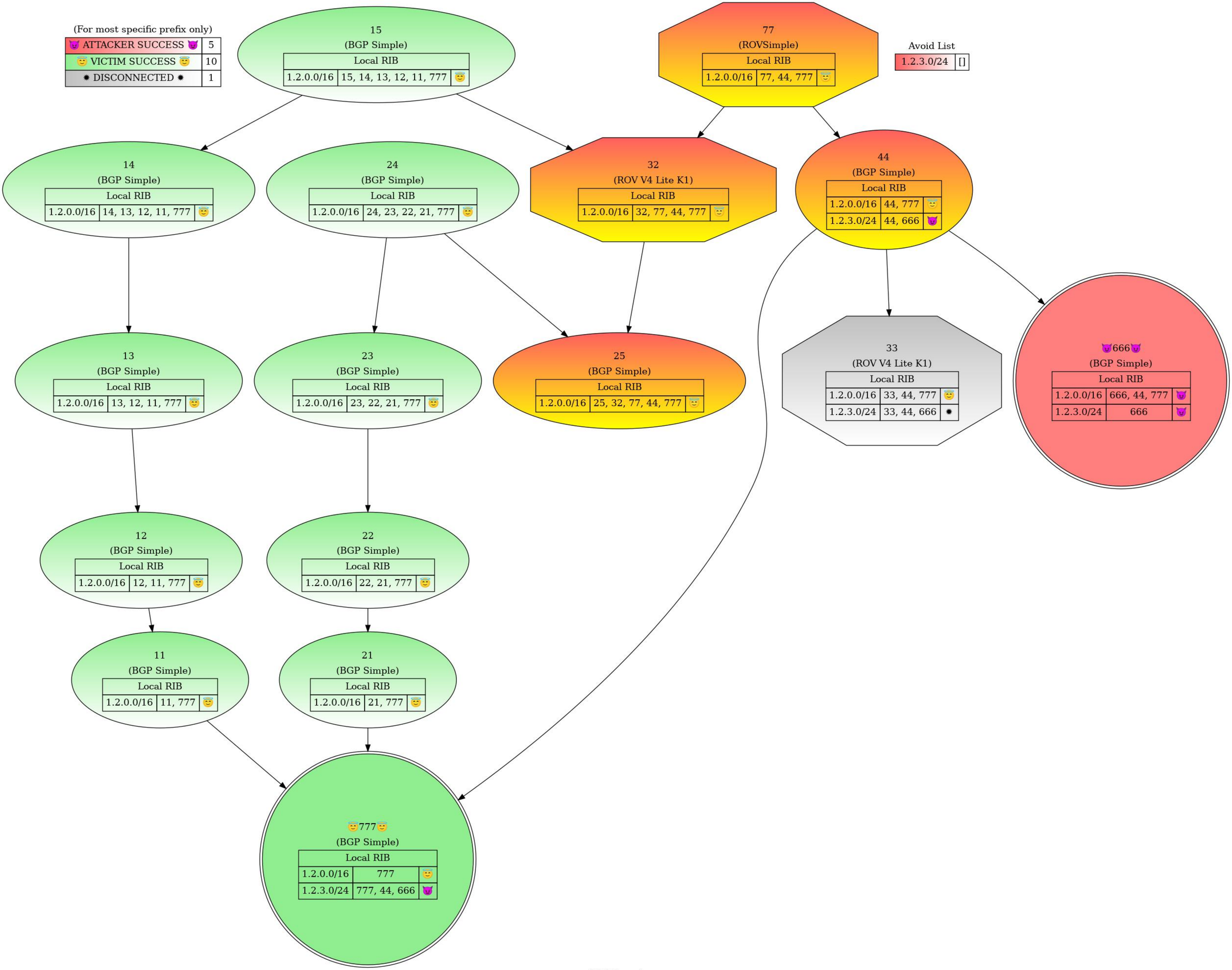
(122 Ground Truth)
Subprefix Hijack with V4 Lite
Traceback for 1.2.3.0/24



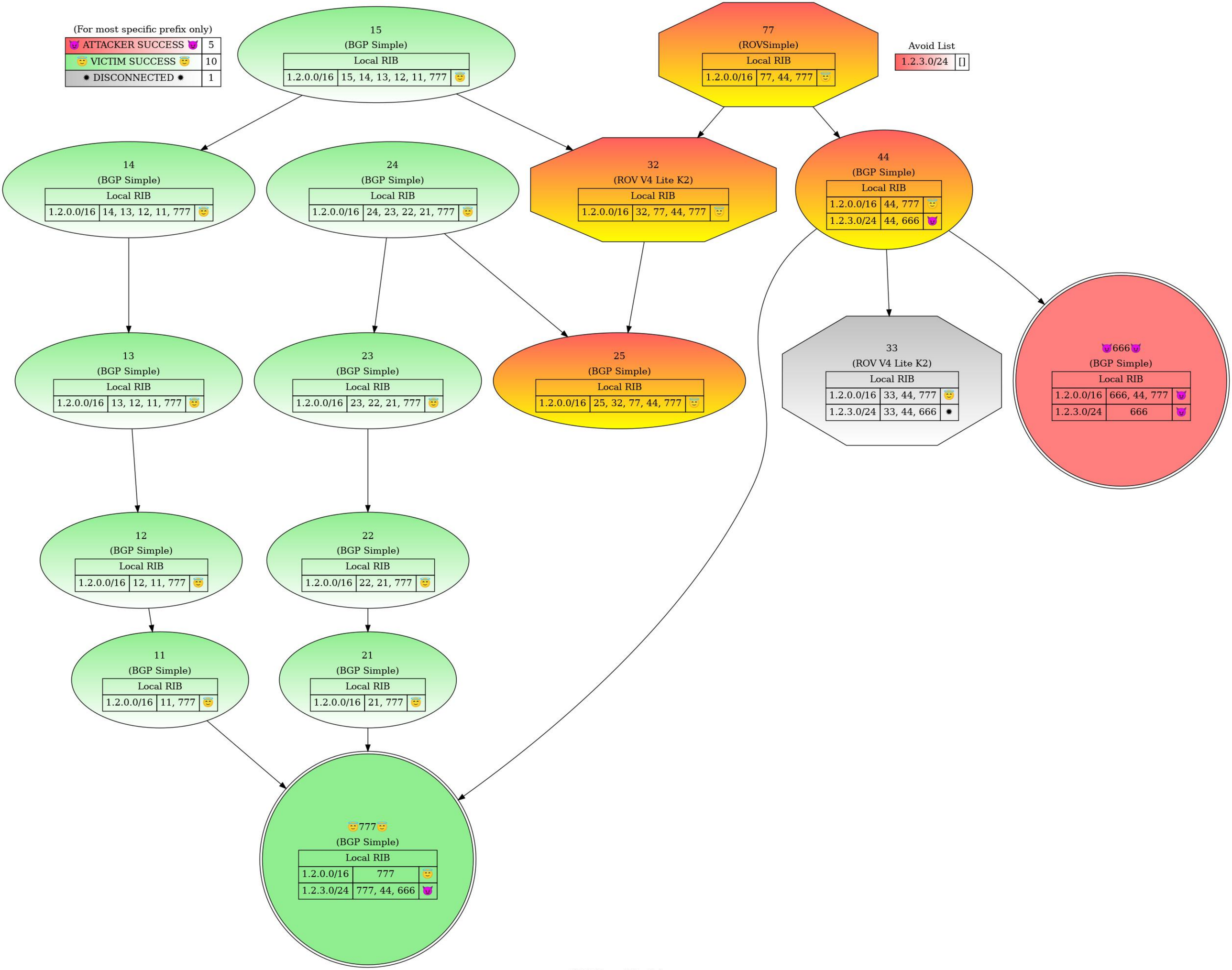
(122 Guess)
Subprefix Hijack with V4 Lite
Traceback for 1.2.3.0/24



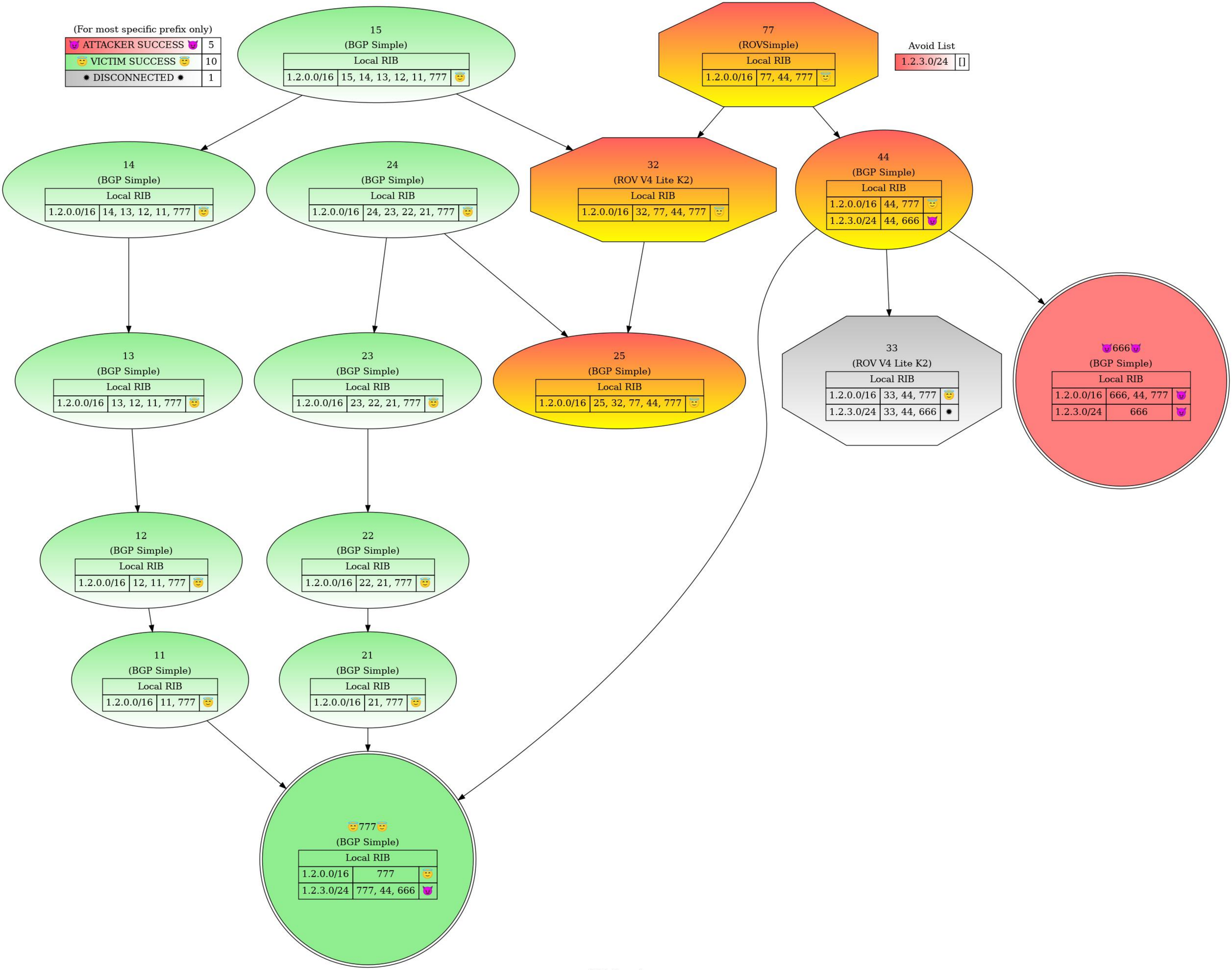
(123 Ground Truth)
Subprefix Hijack with V4 Lite k=1
Traceback for 1.2.3.0/24



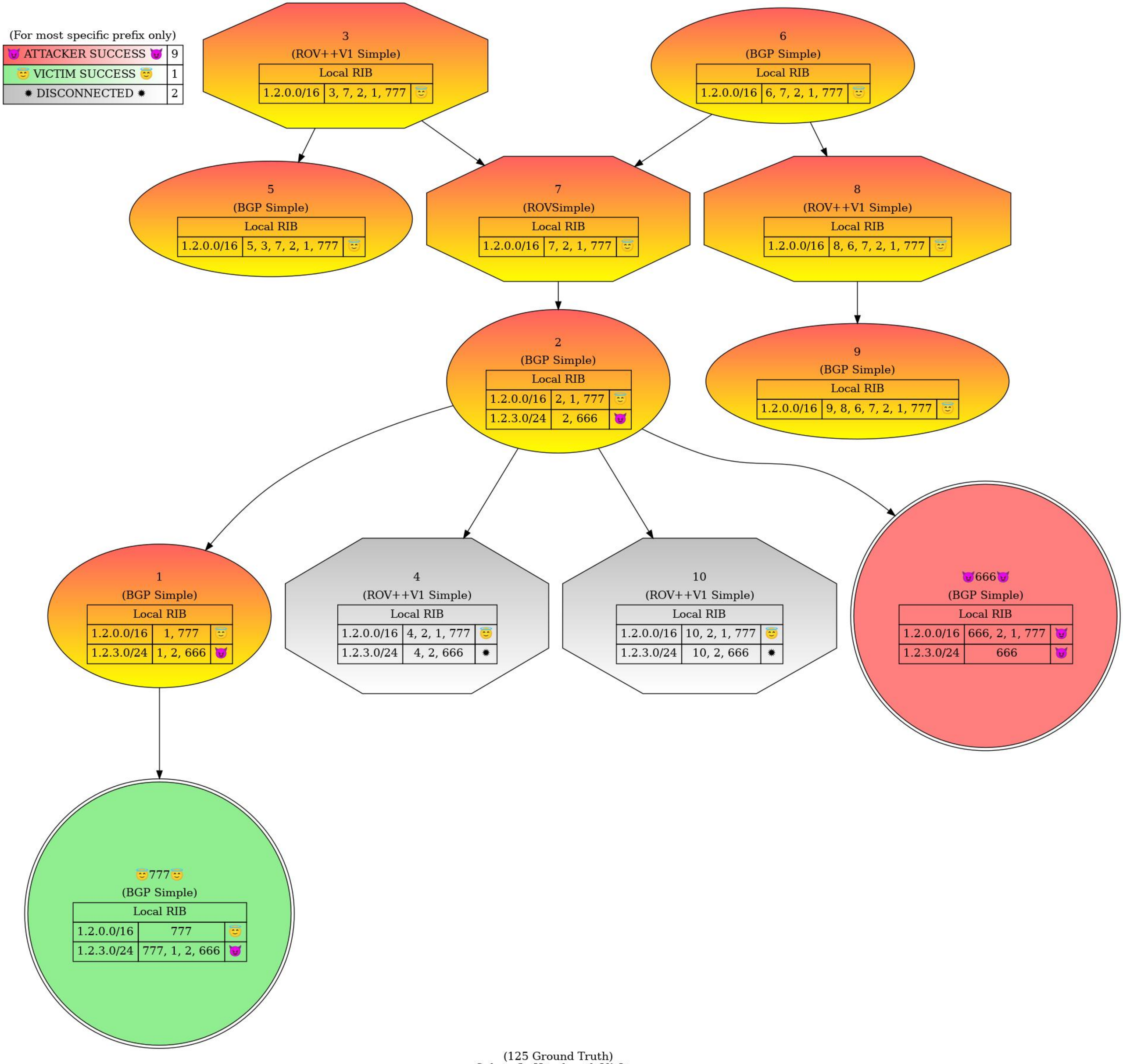
(123 Guess)
Subprefix Hijack with V4 Lite k=1
Traceback for 1.2.3.0/24



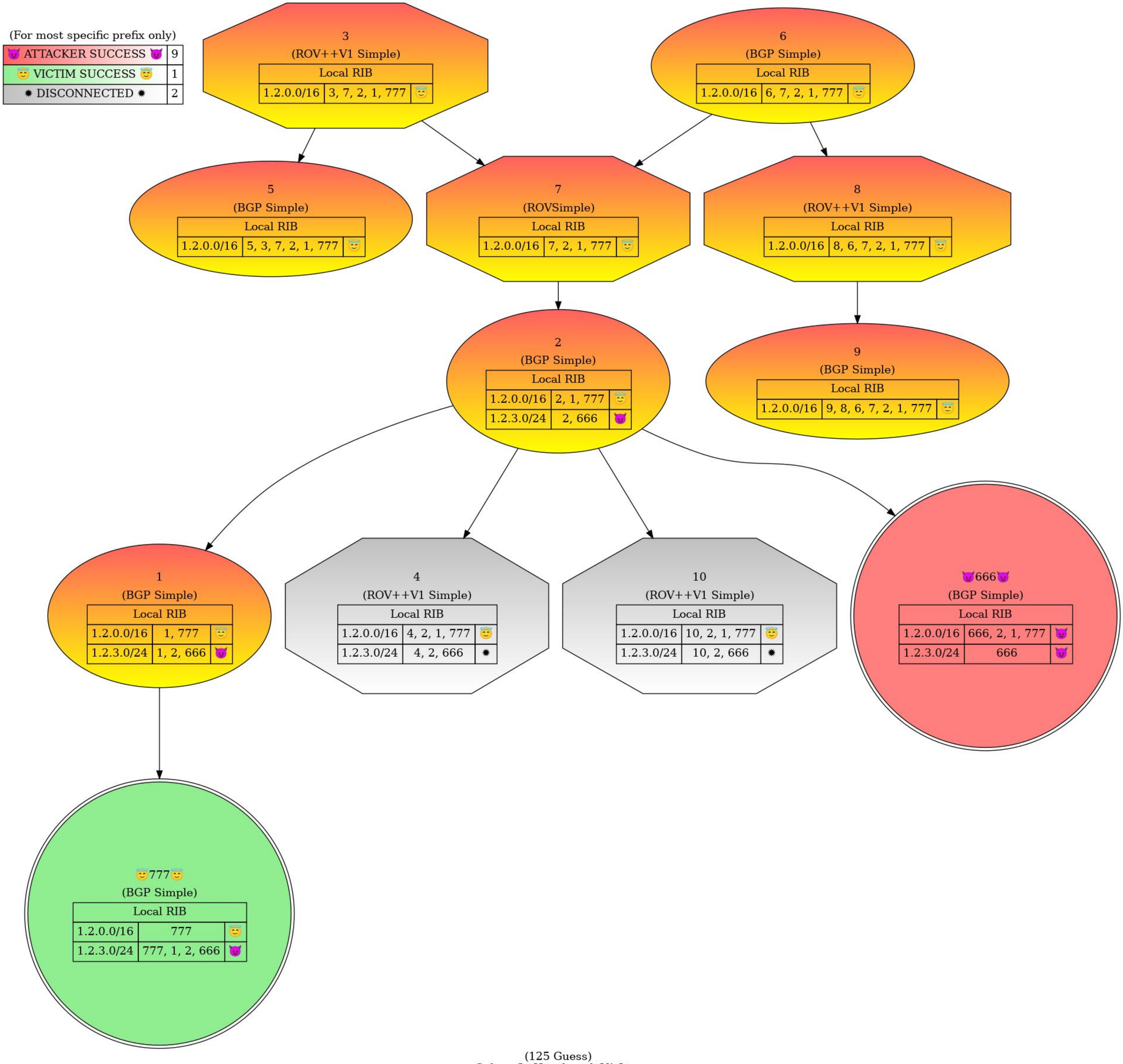
(124 Ground Truth)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



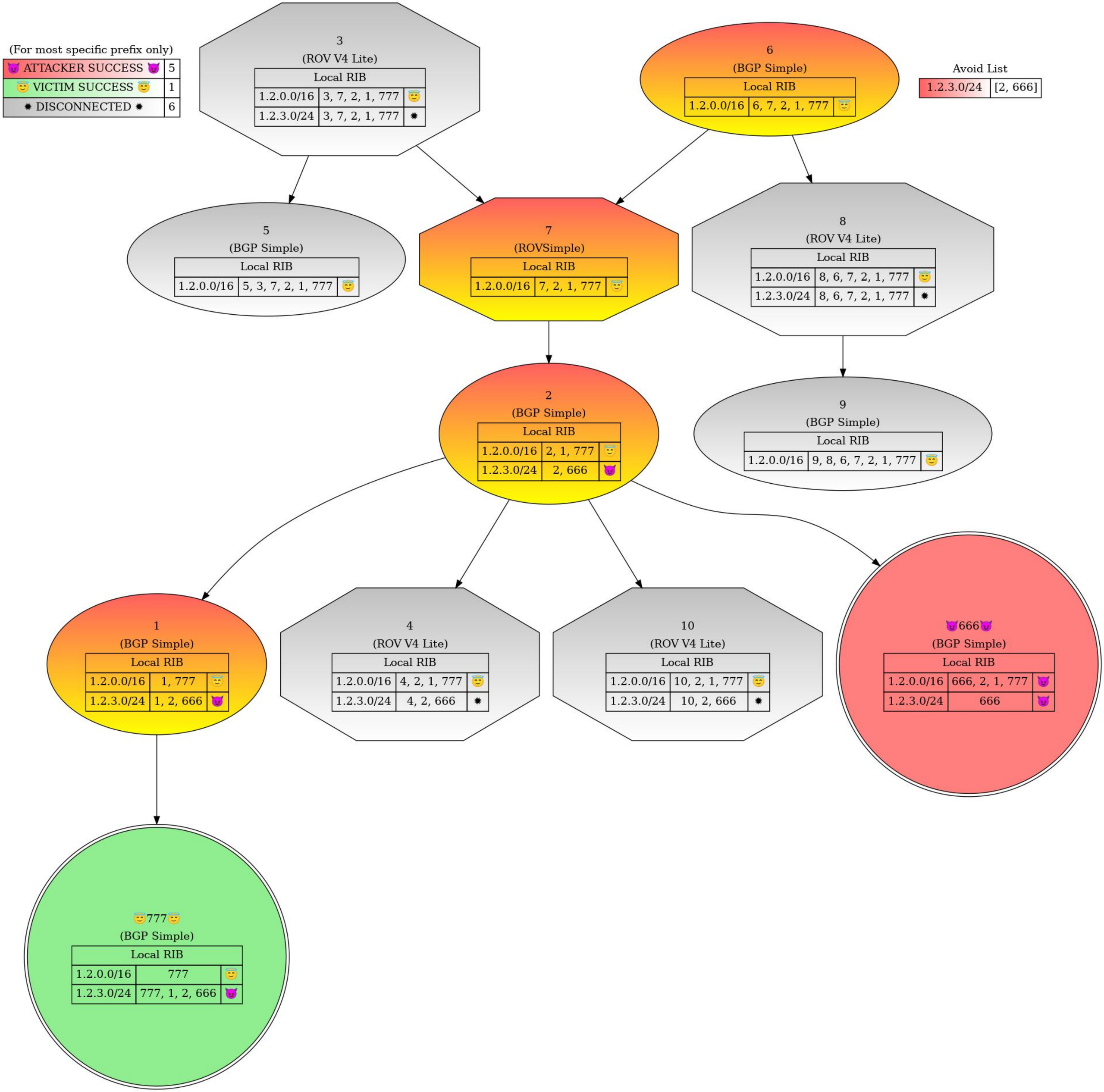
(124 Guess)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



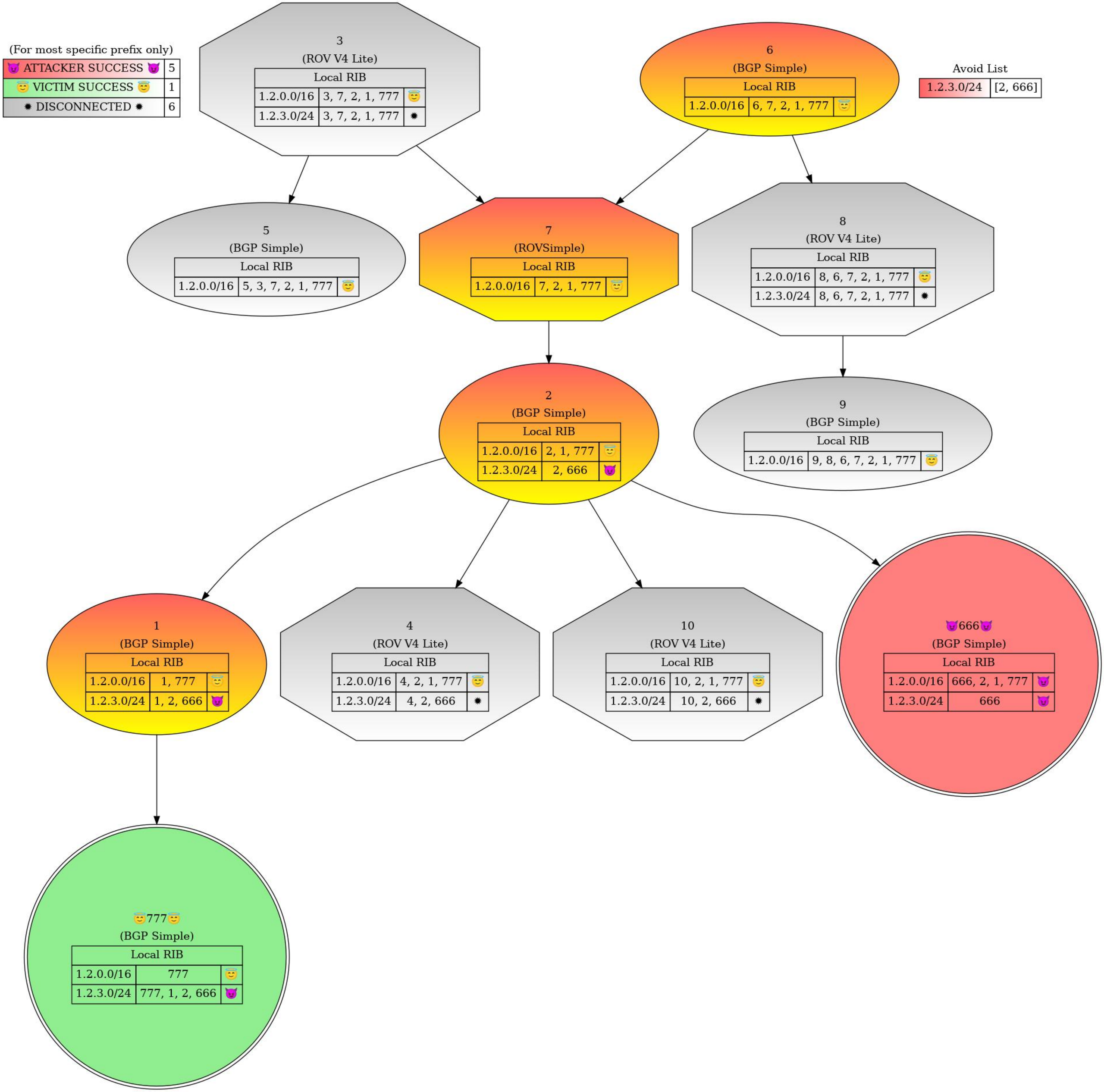
(125 Ground Truth)
Subprefix Hijack with V1 Lite
Traceback for 1.2.3.0/24



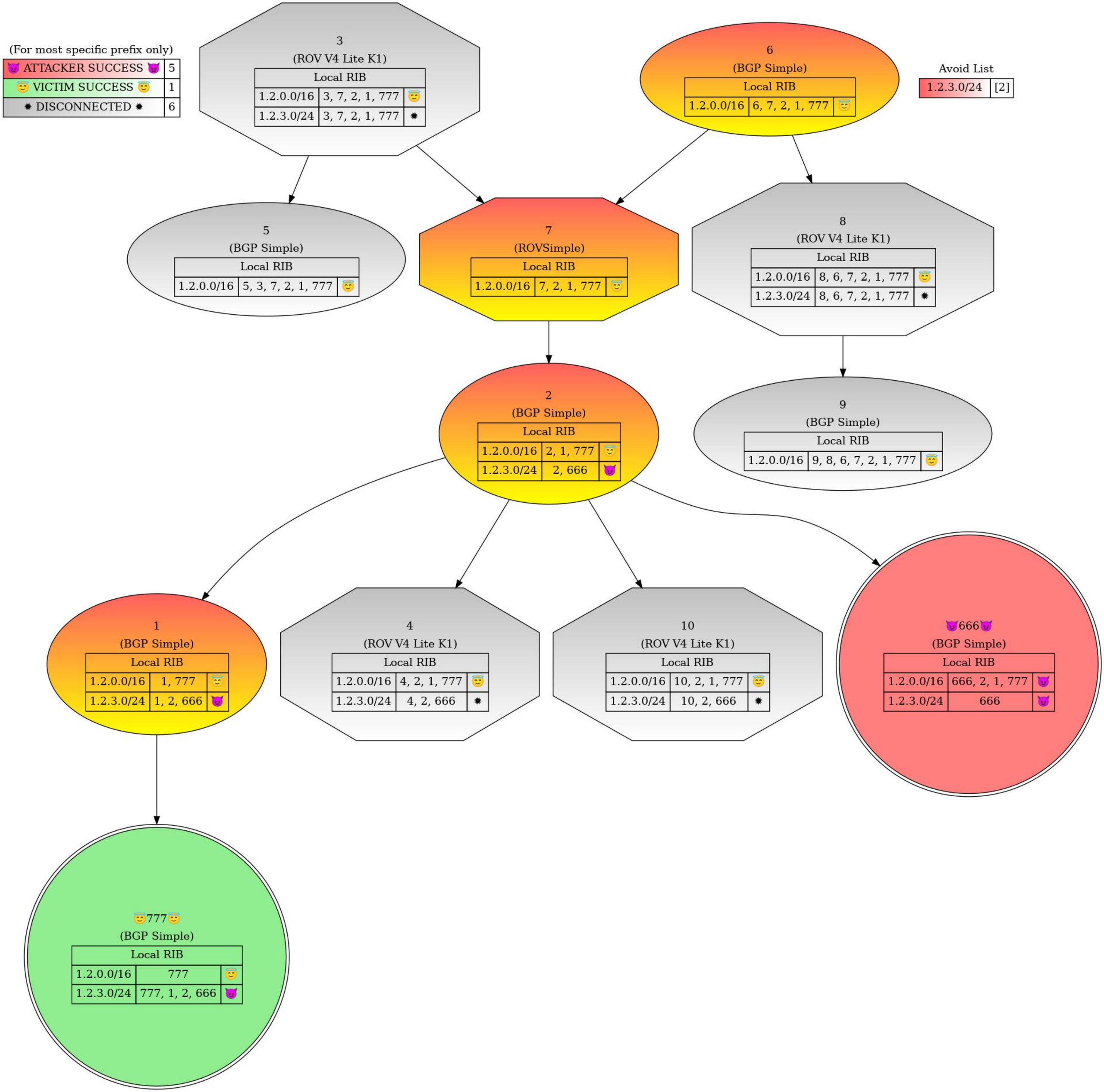
(125 Guess)
Subprefix Hijack with V1 Lite
Traceback for 1.2.3.0/24



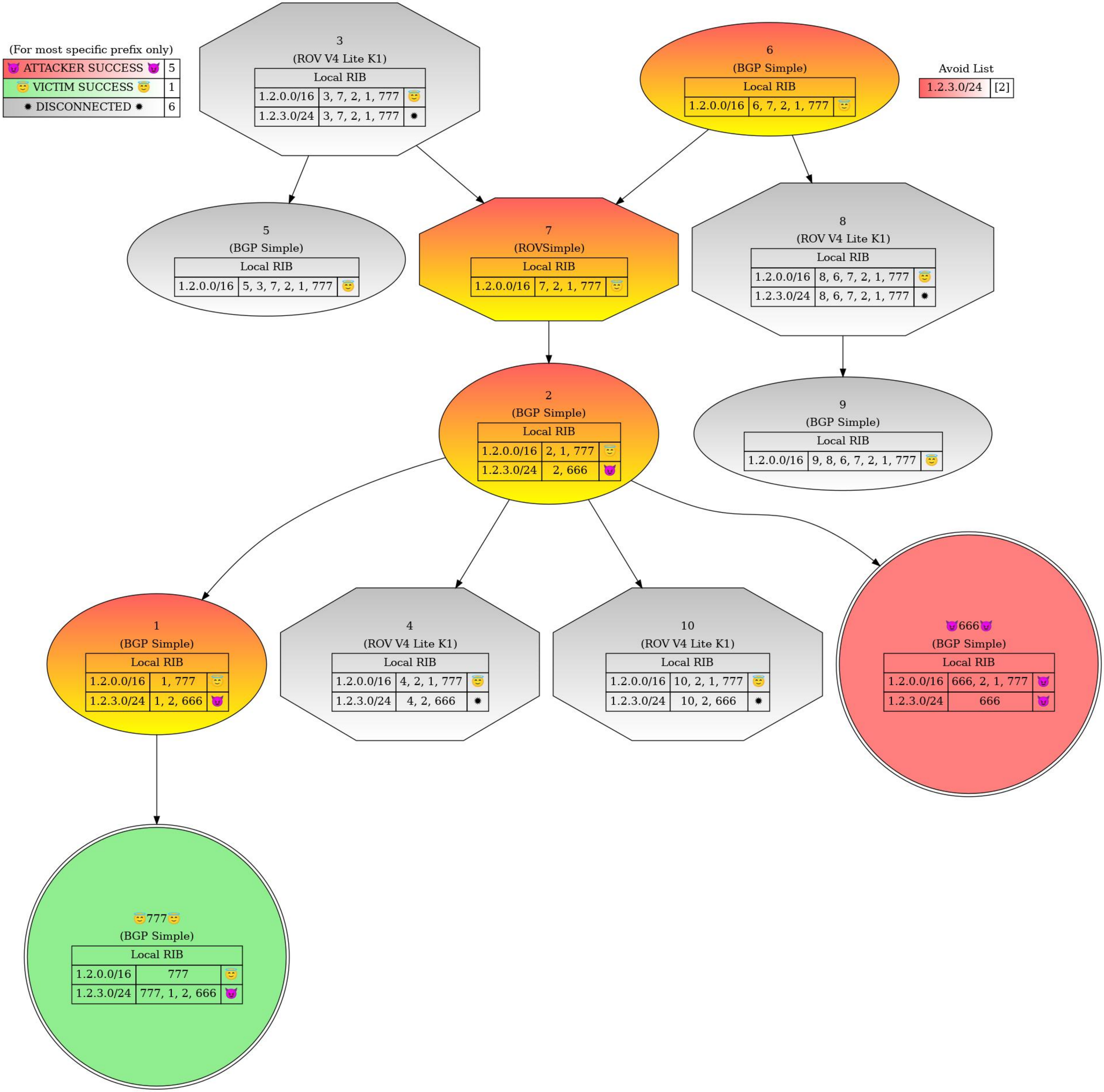
(126 Ground Truth)
Subprefix Hijack with V4 Lite
Traceback for 1.2.3.0/24



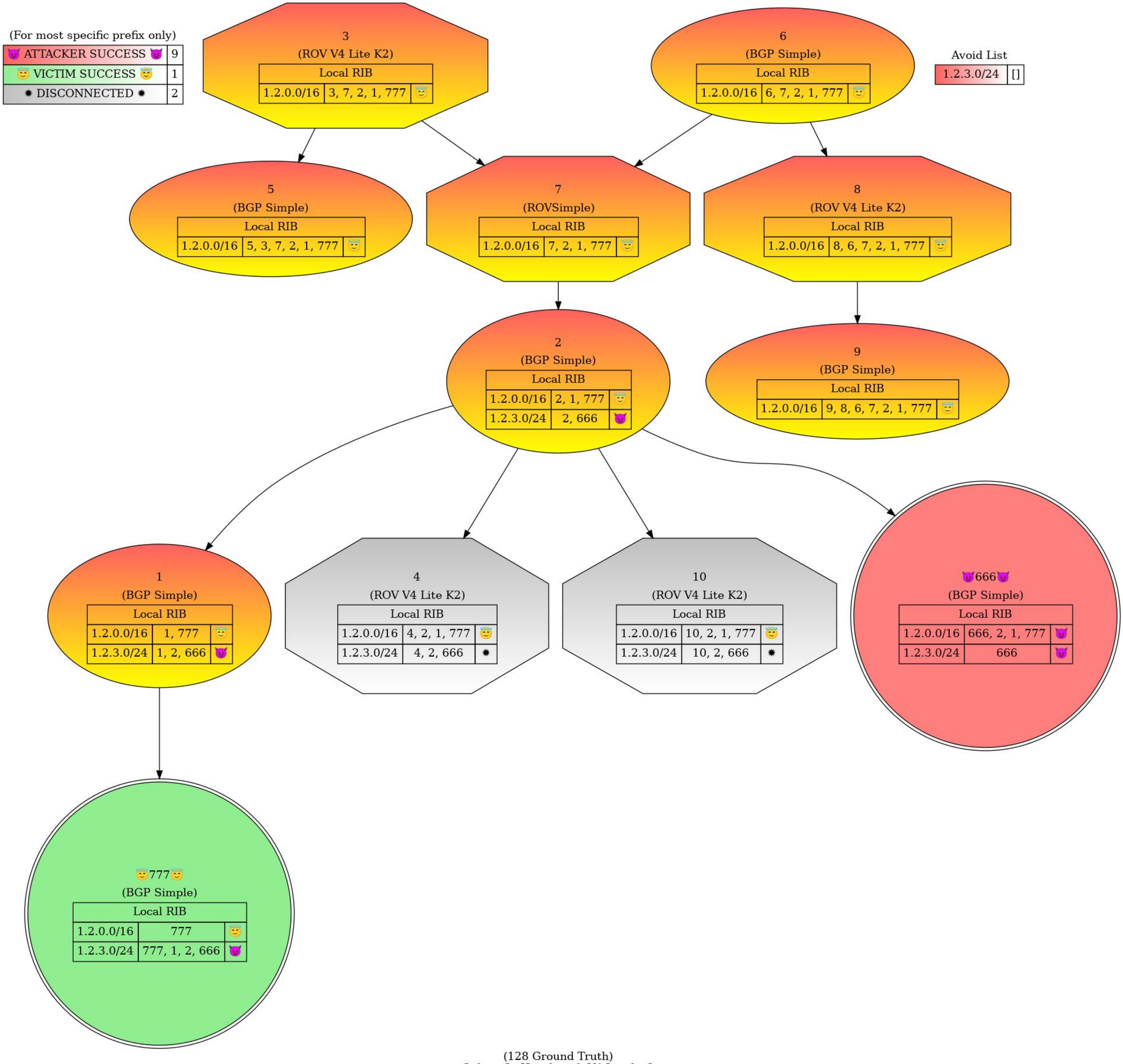
(126 Guess)
Subprefix Hijack with V4 Lite
Traceback for 1.2.3.0/24



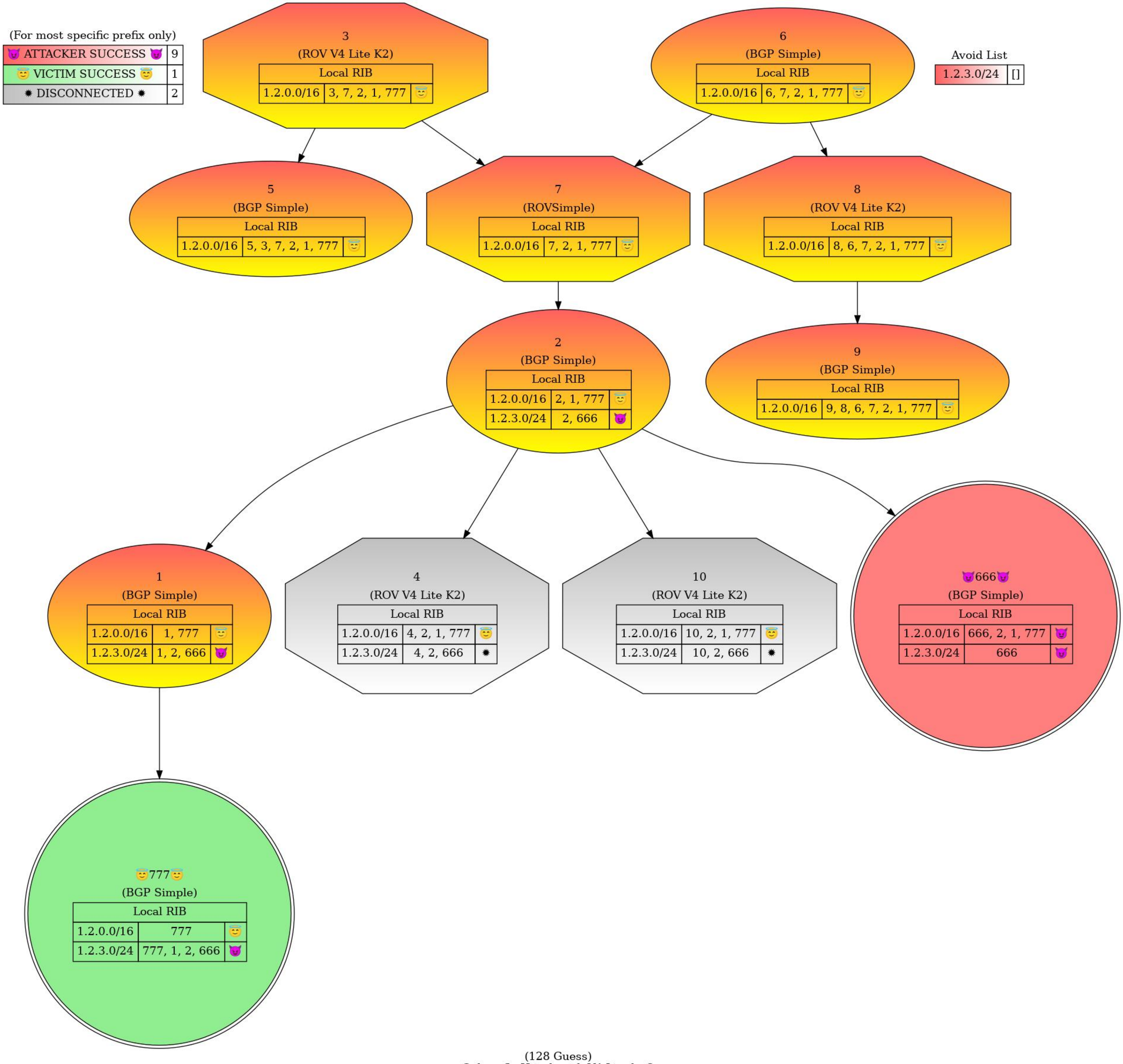
(127 Ground Truth)
Subprefix Hijack with V4 Lite k=1
Traceback for 1.2.3.0/24



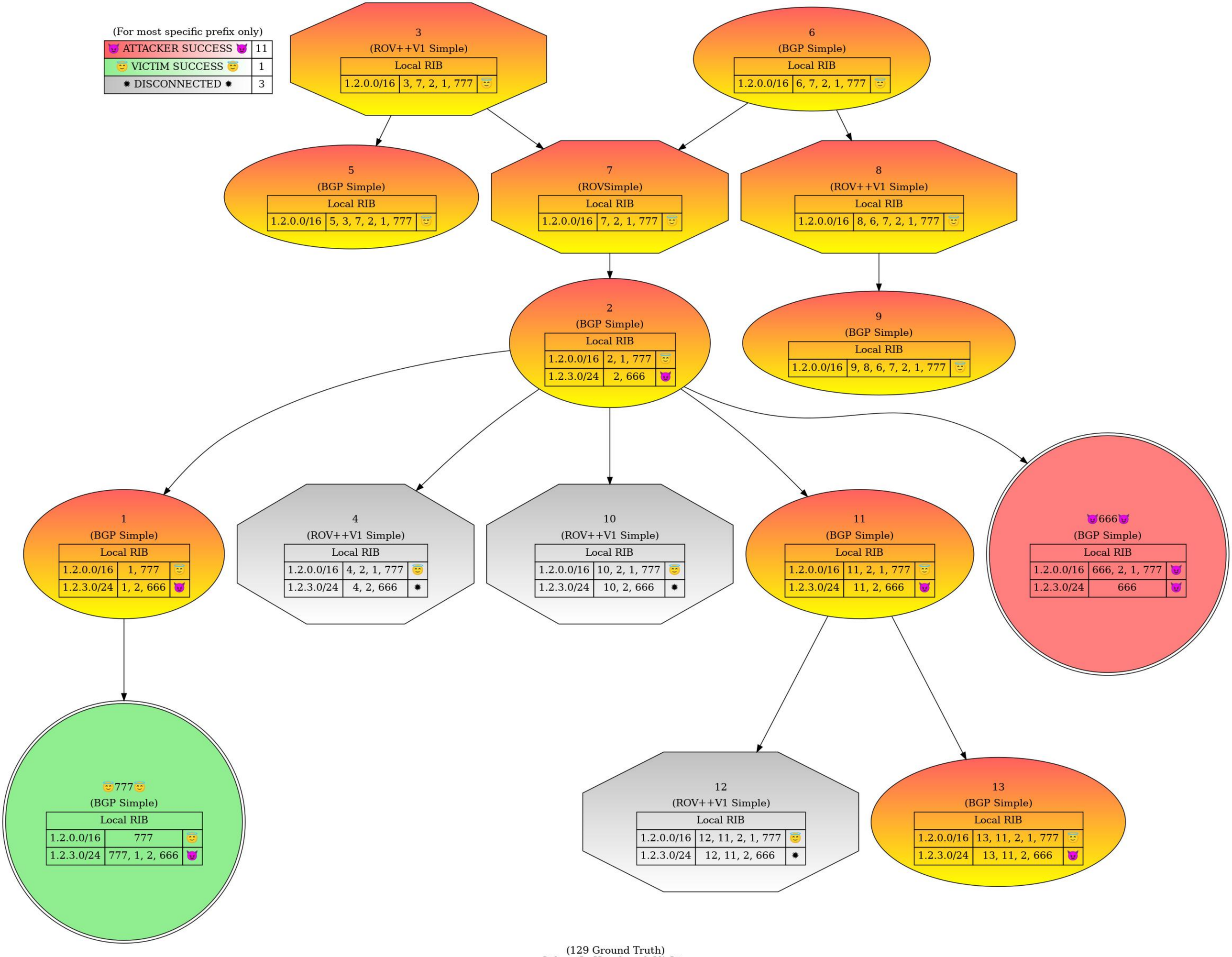
(127 Guess)
Subprefix Hijack with V4 Lite k=1
Traceback for 1.2.3.0/24



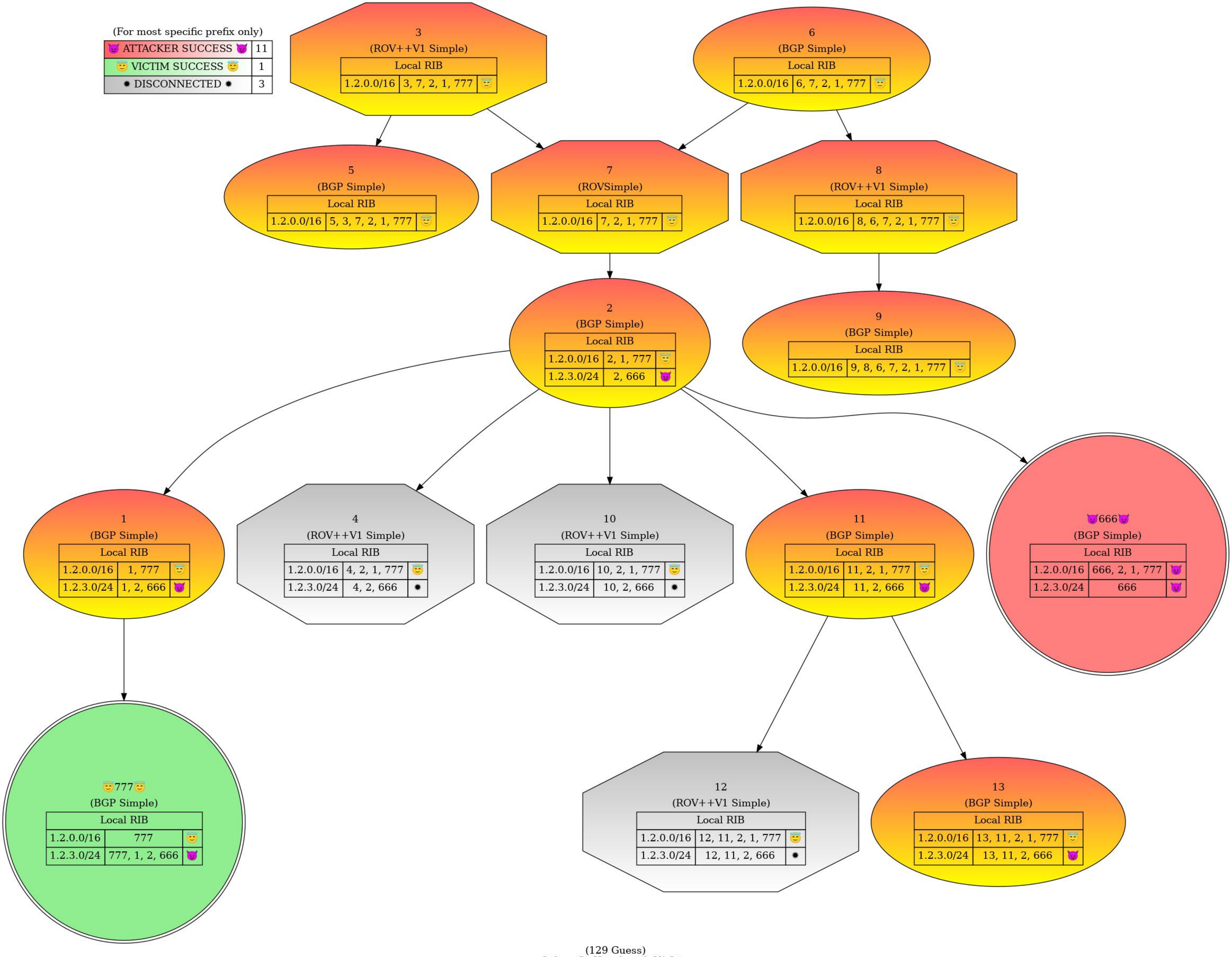
(128 Ground Truth)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



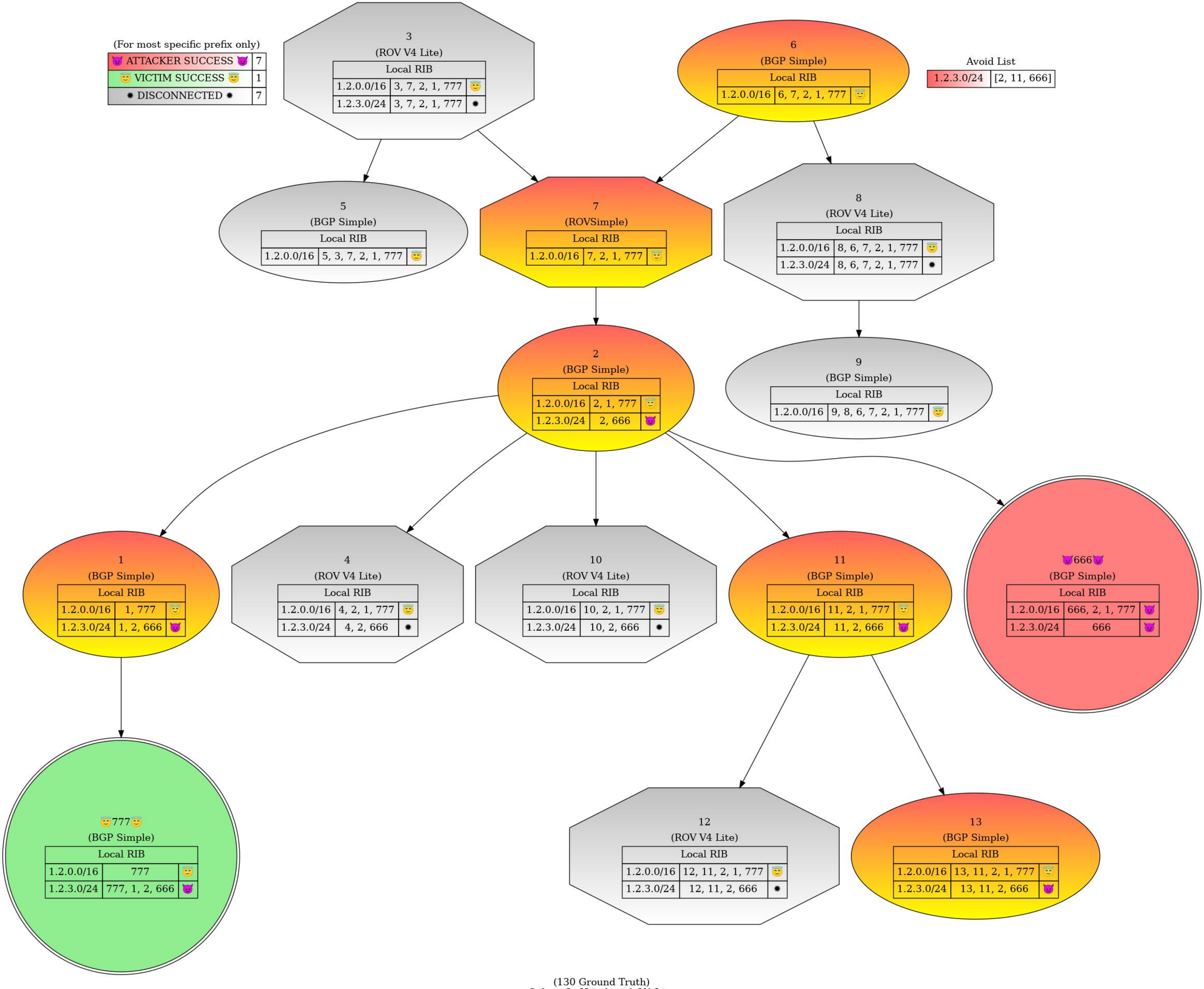
(128 Guess)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



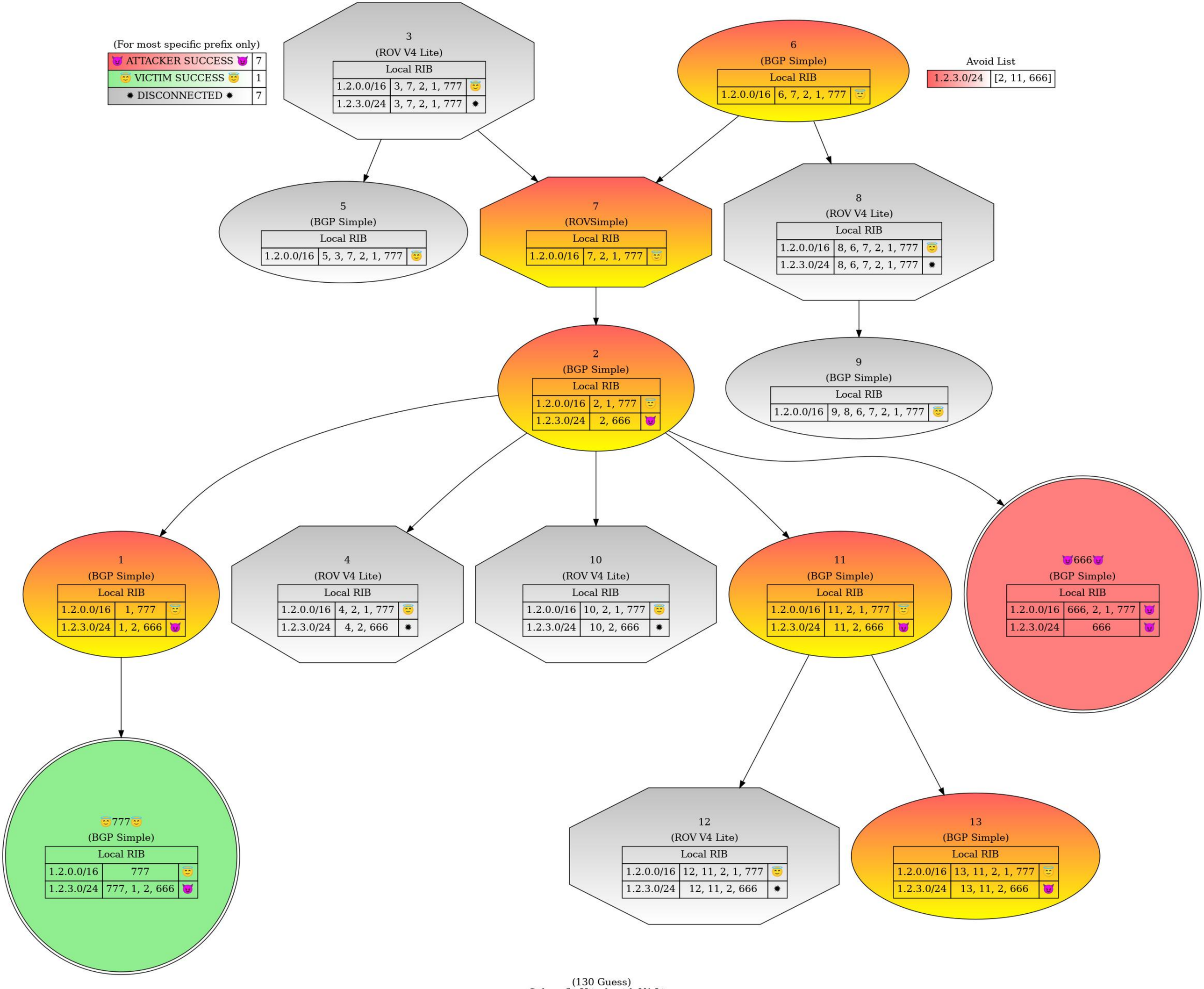
(129 Ground Truth)
Subprefix Hijack with V1 Lite
Traceback for 1.2.3.0/24



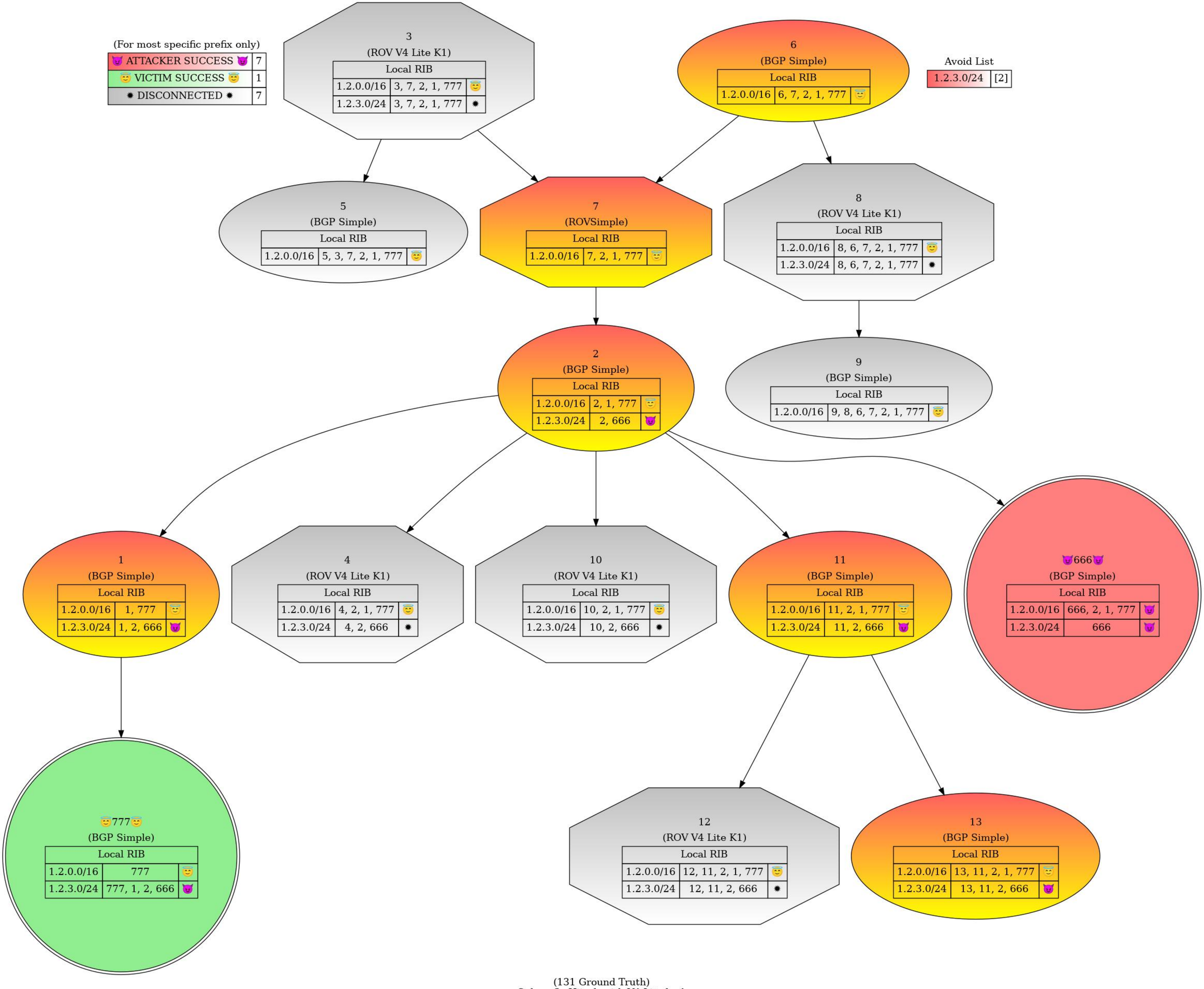
(129 Guess)
Subprefix Hijack with V1 Lite
Traceback for 1.2.3.0/24



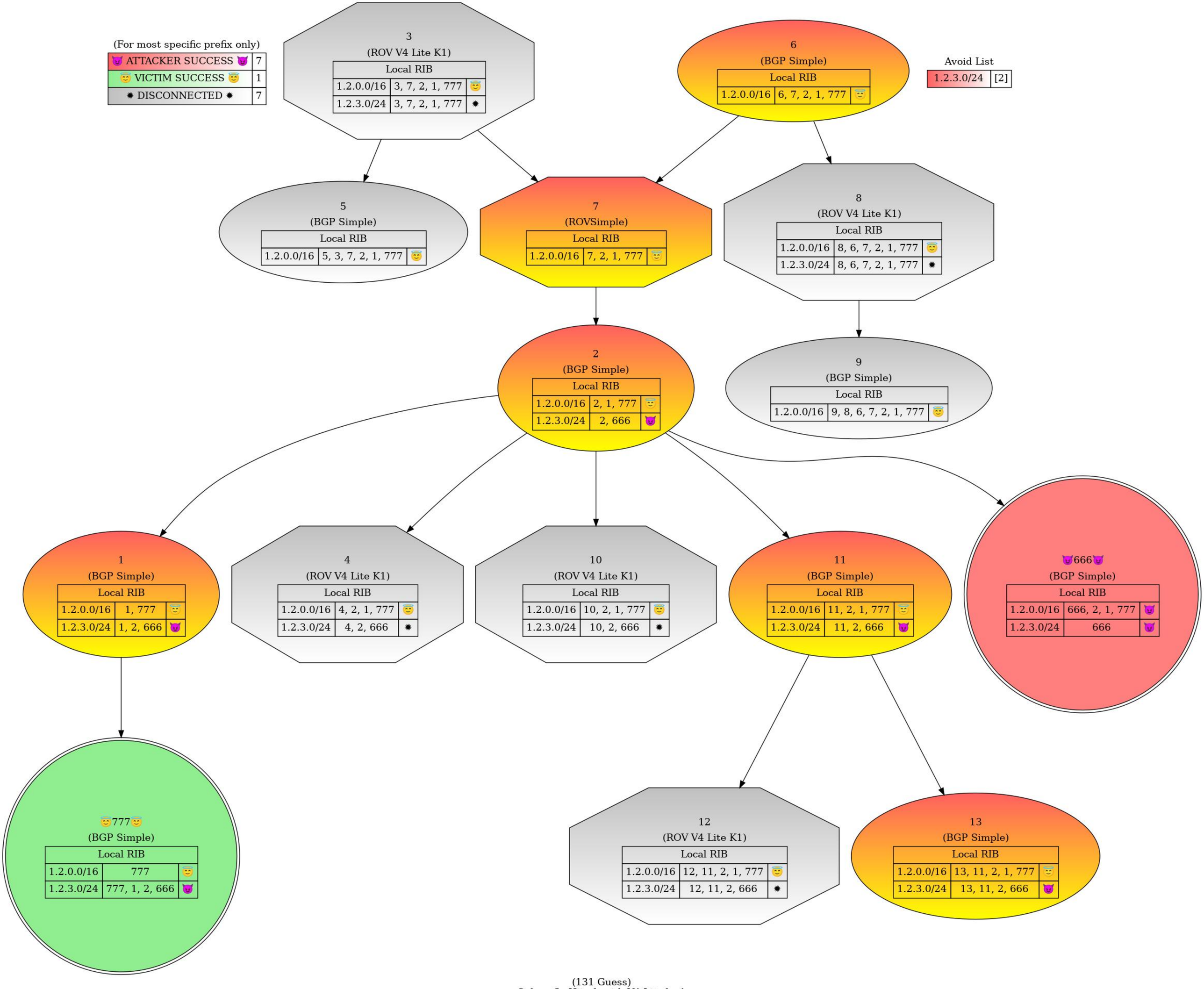
(130 Ground Truth)
Subprefix Hijack with V4 Lite
Traceback for 1.2.3.0/24



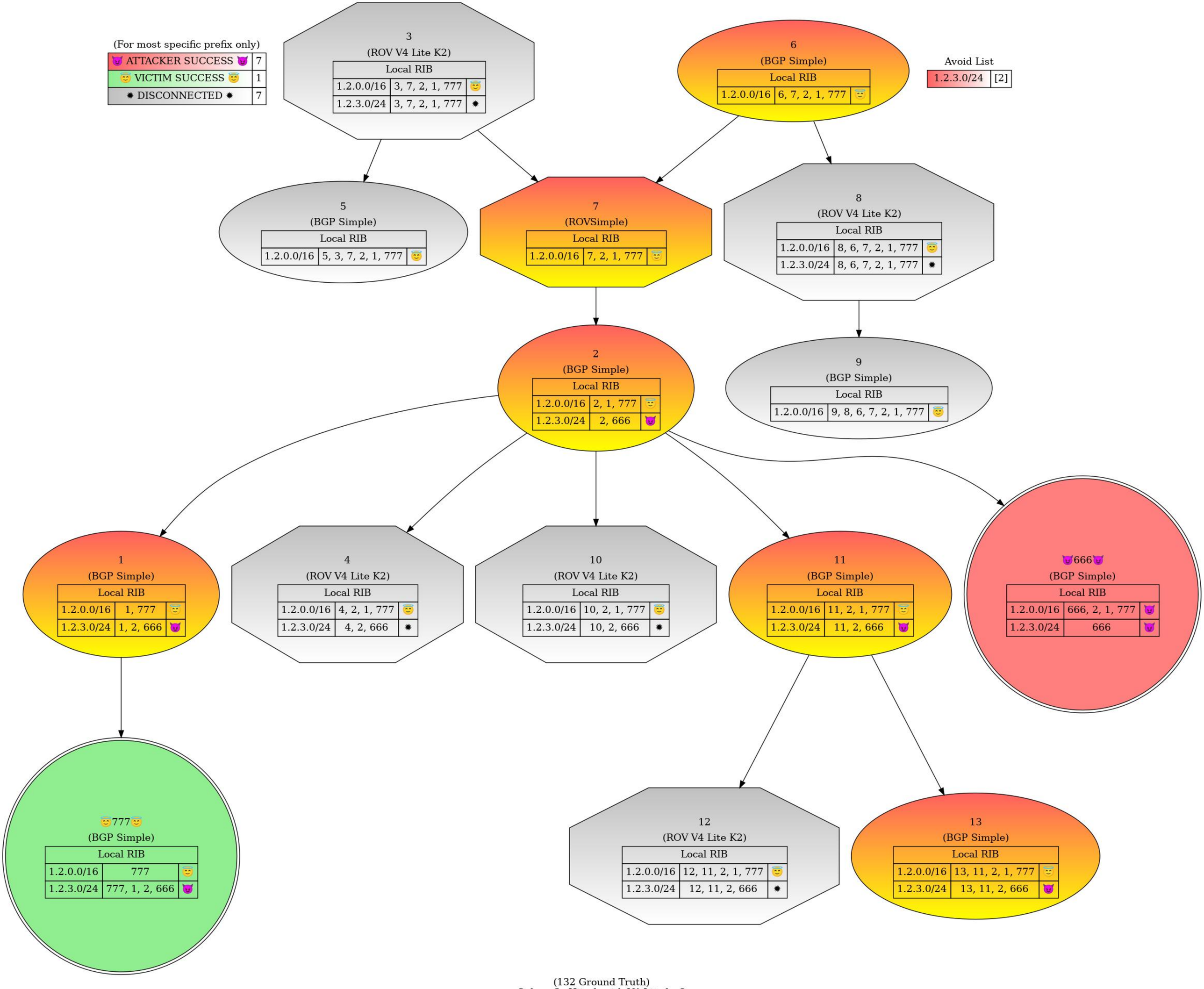
(130 Guess)
Subprefix Hijack with V4 Lite
Traceback for 1.2.3.0/24



(131 Ground Truth)
Subprefix Hijack with V4 Lite k=1
Traceback for 1.2.3.0/24



(131 Guess)
Subprefix Hijack with V4 Lite k=1
Traceback for 1.2.3.0/24



(132 Ground Truth)
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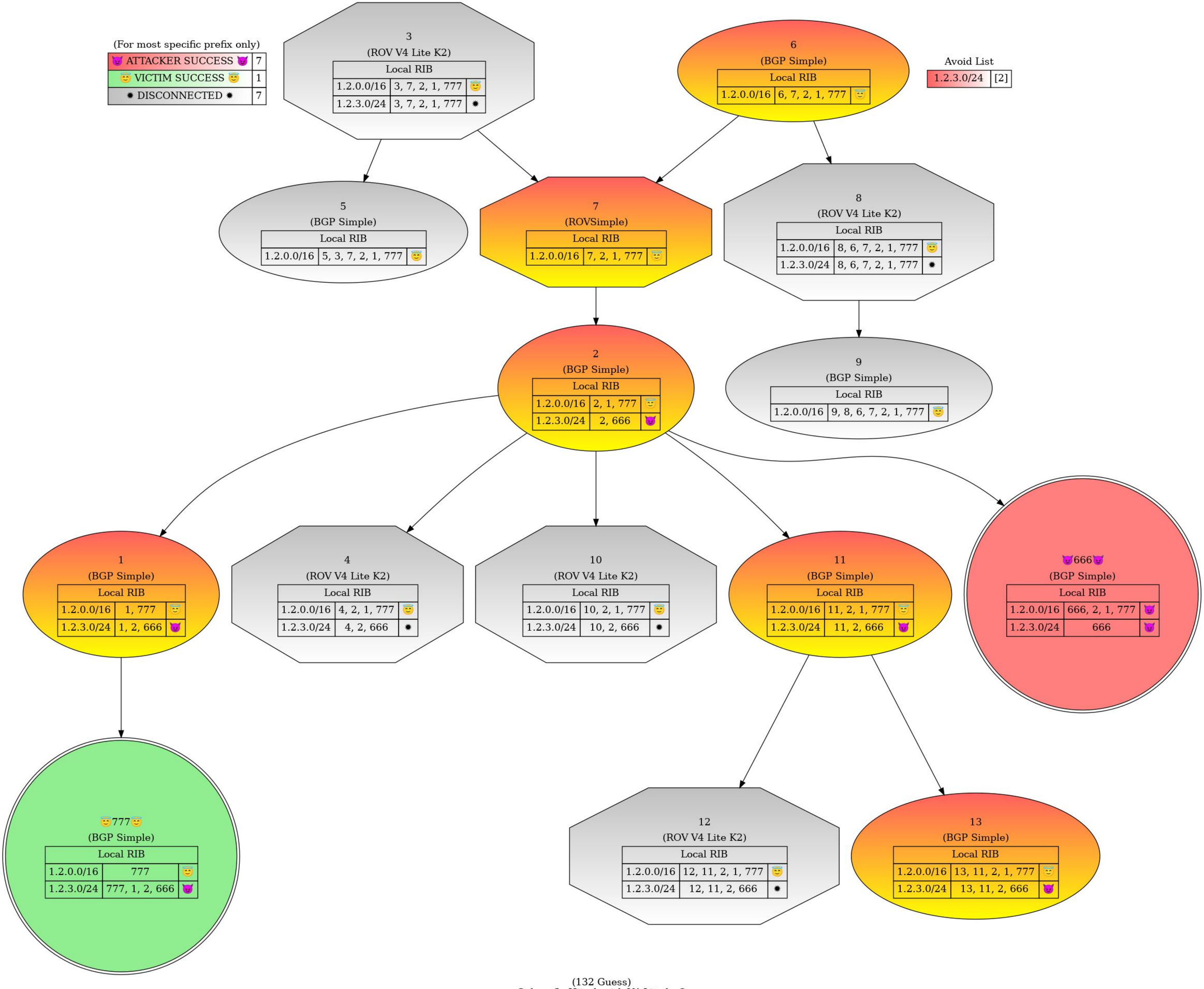
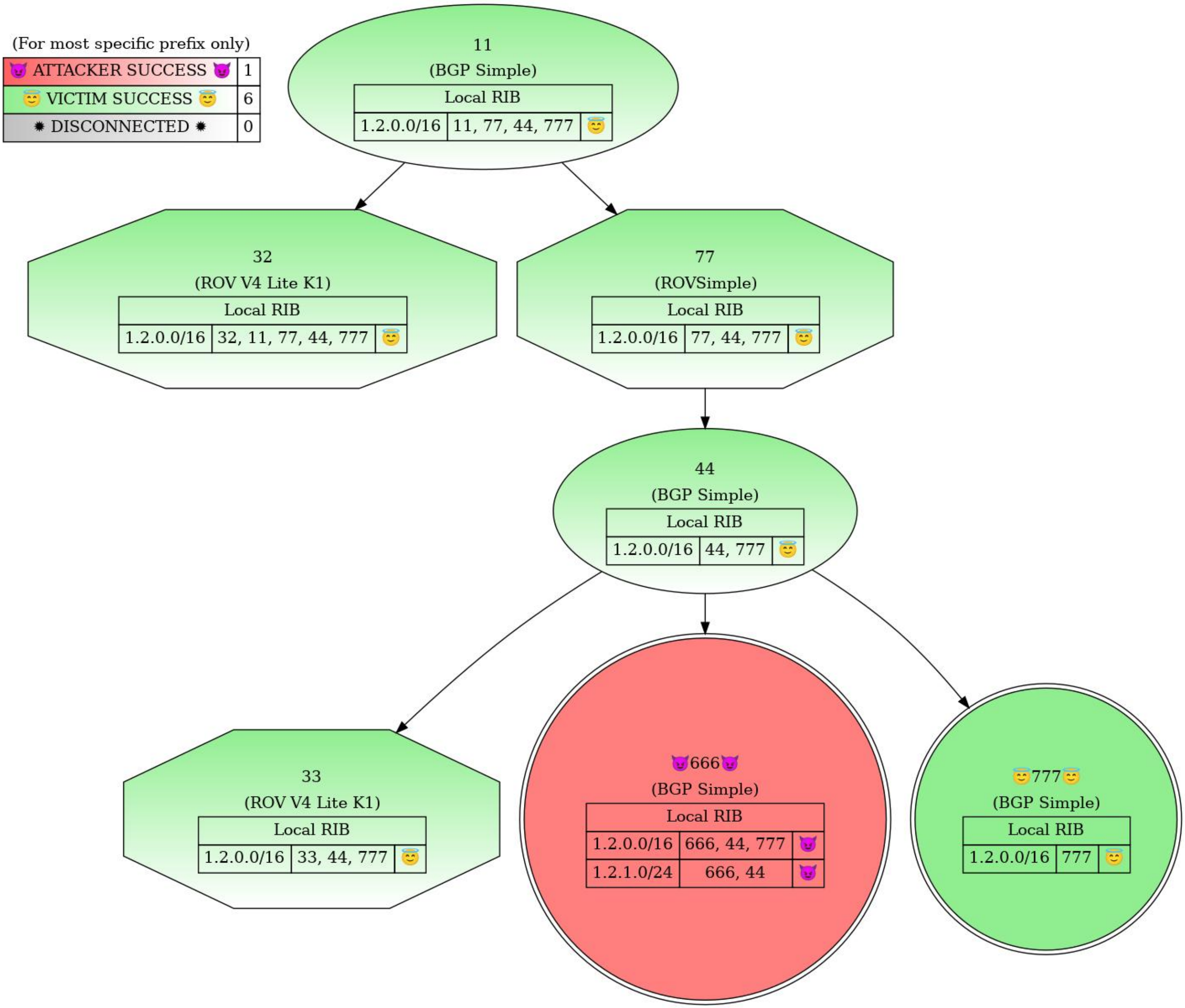
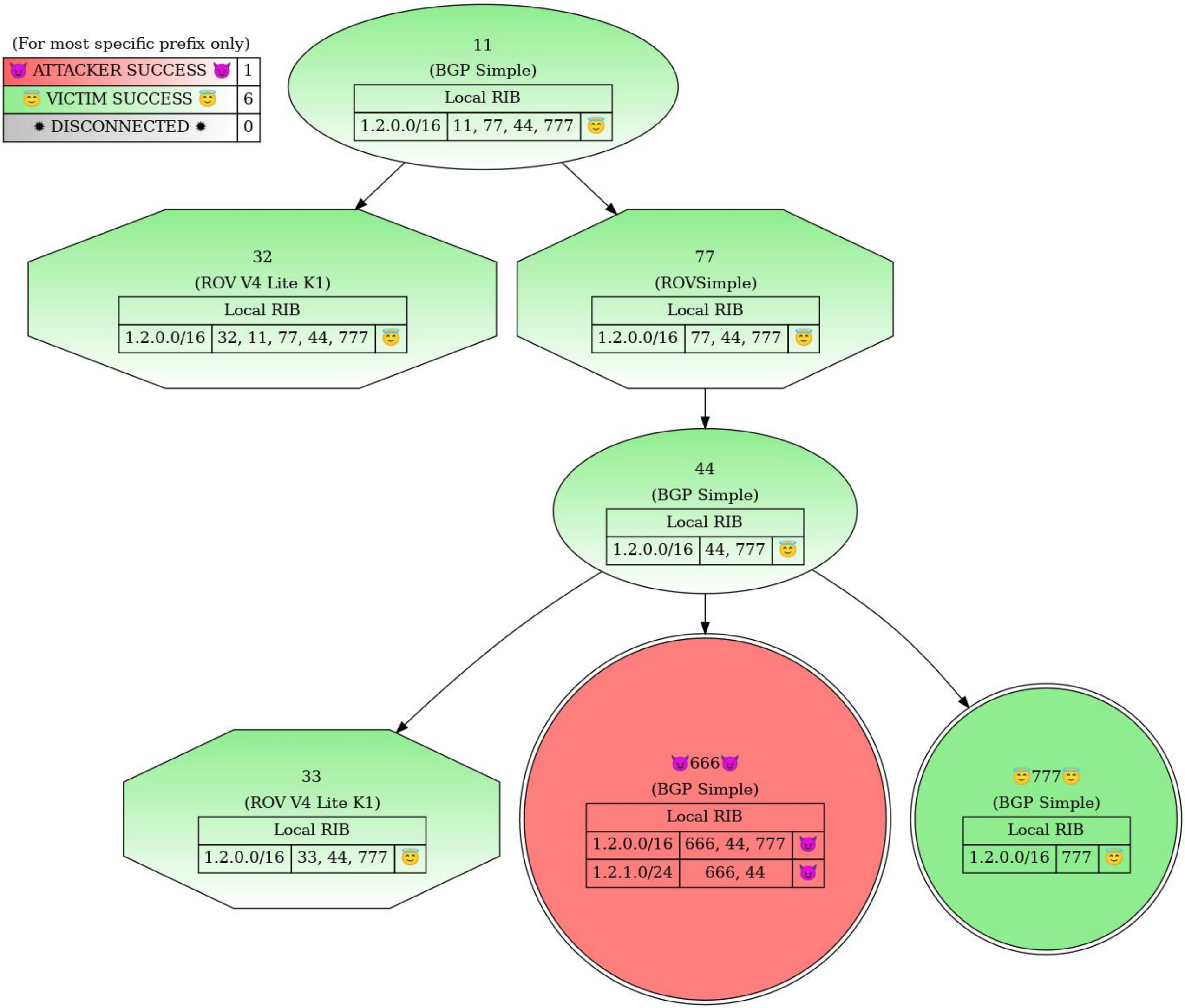
Traceback for 1.2.3.0/24



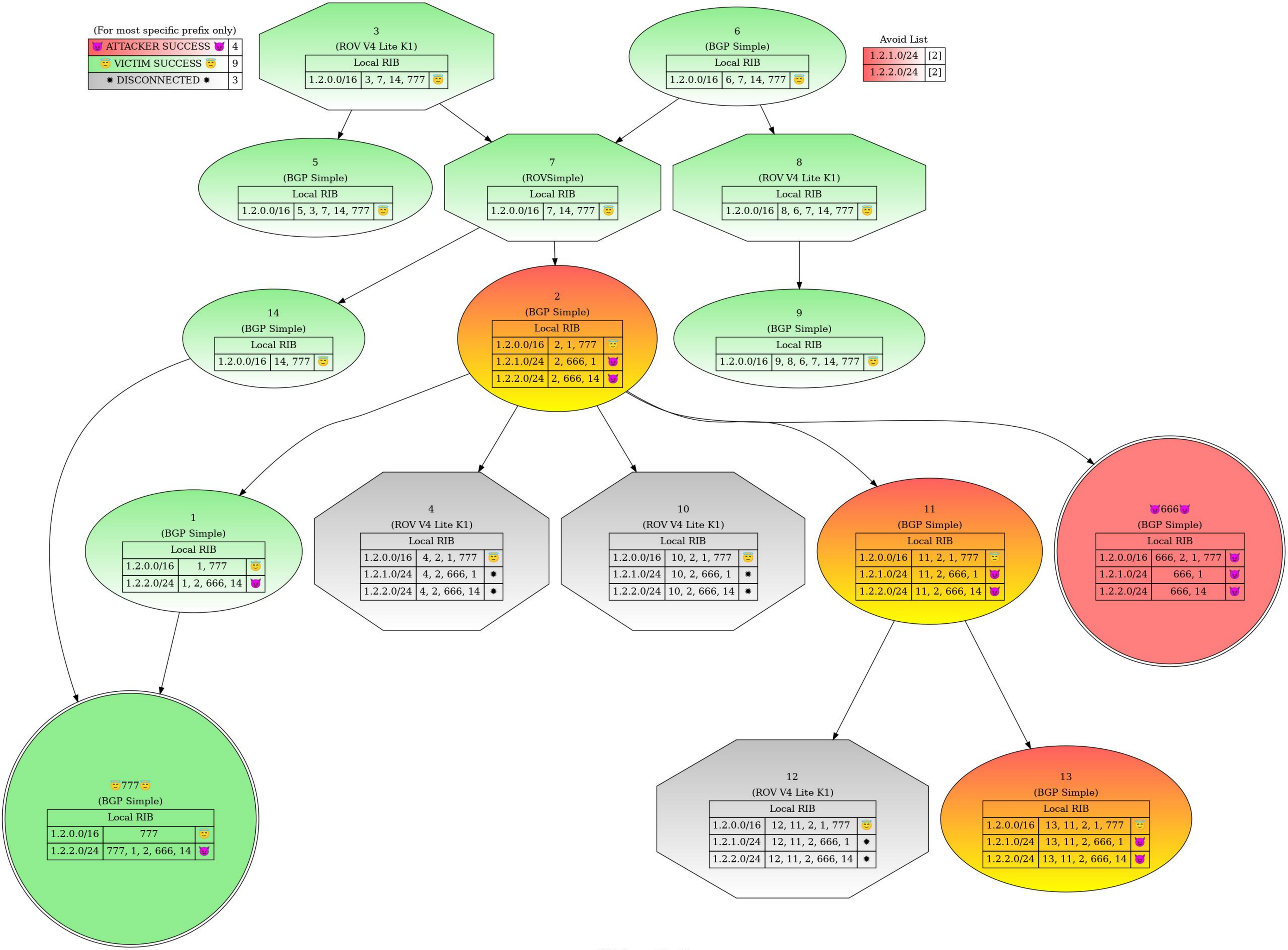
(132 Guess)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



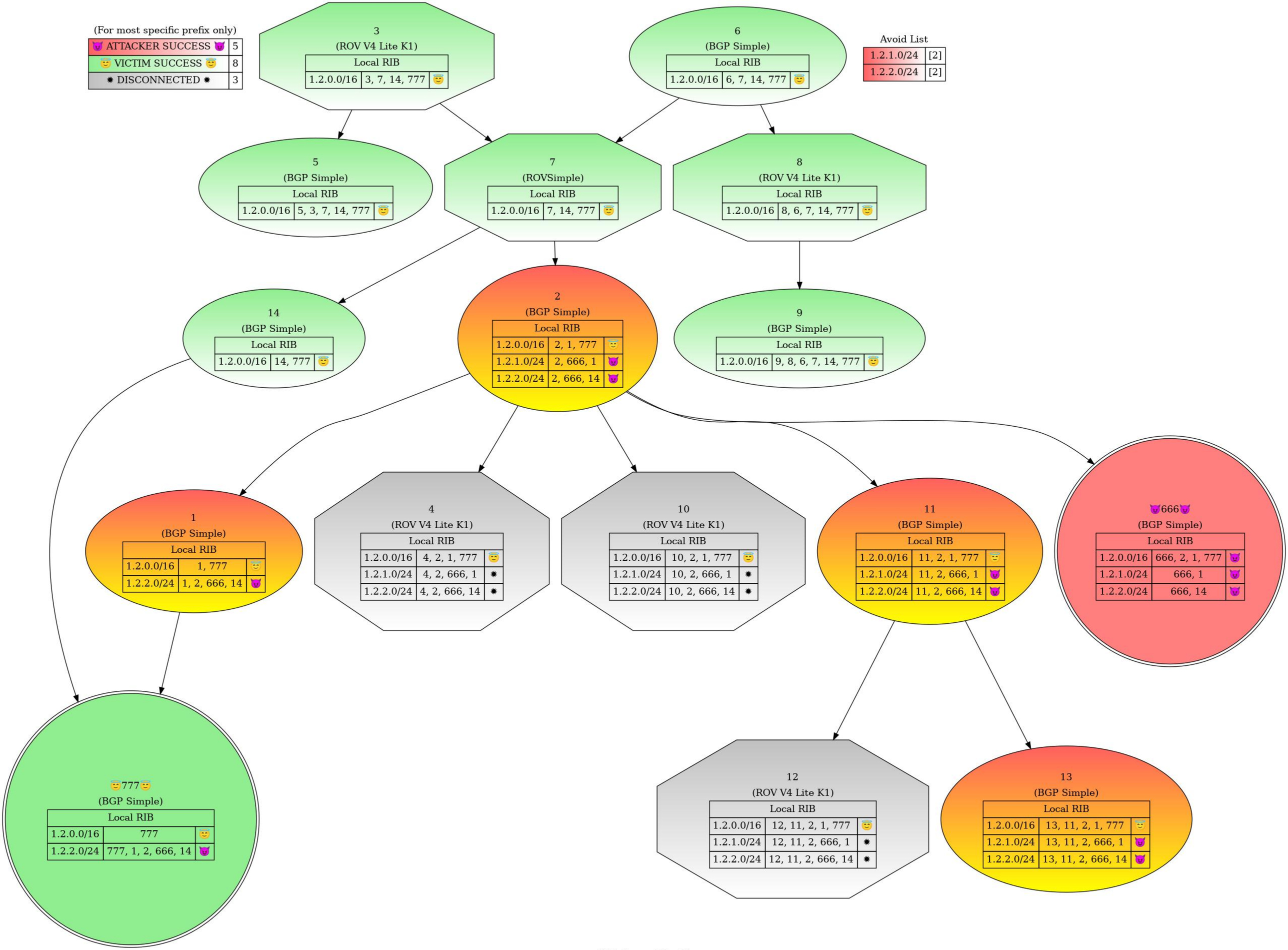
(133 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



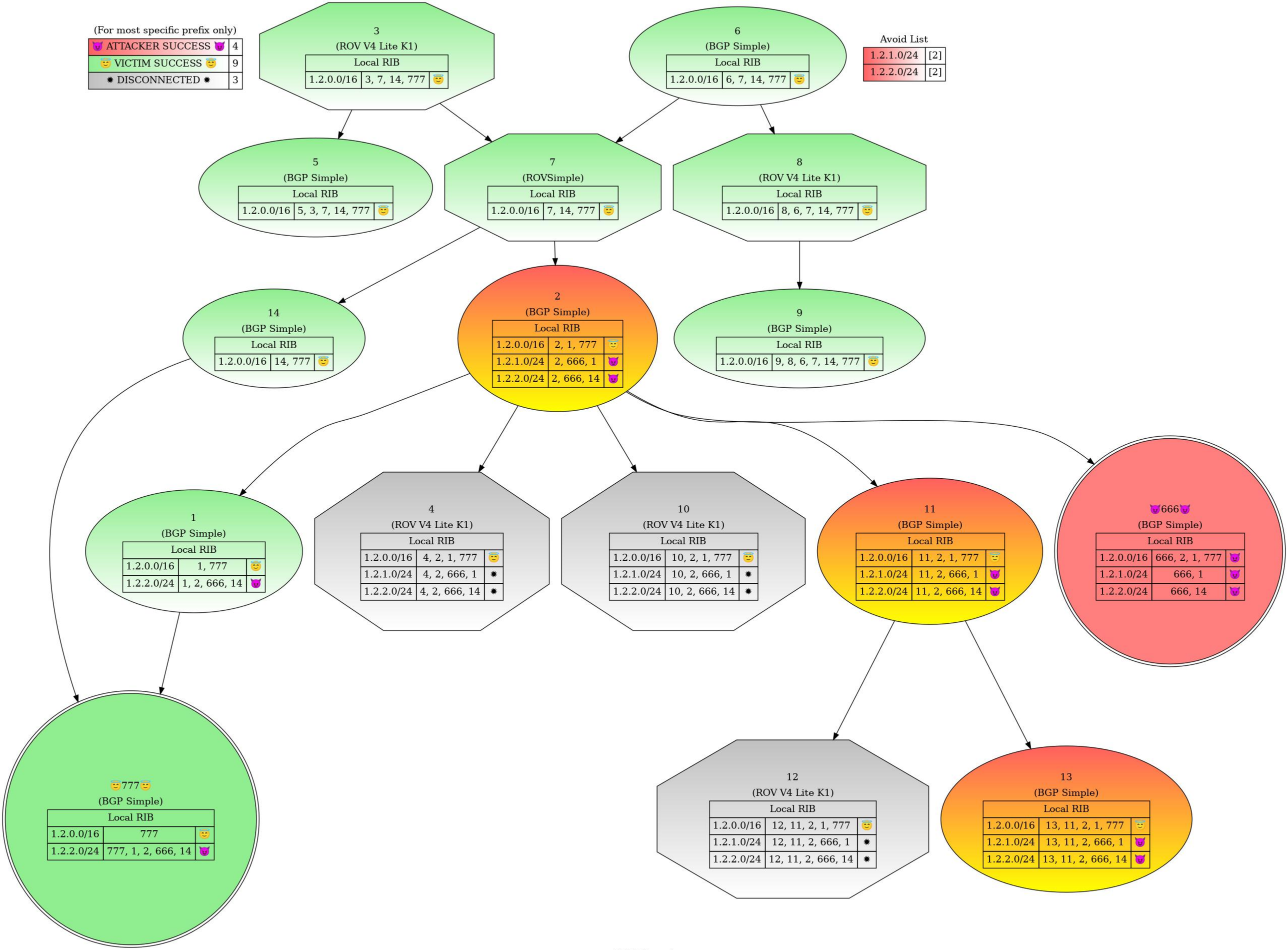
(133 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



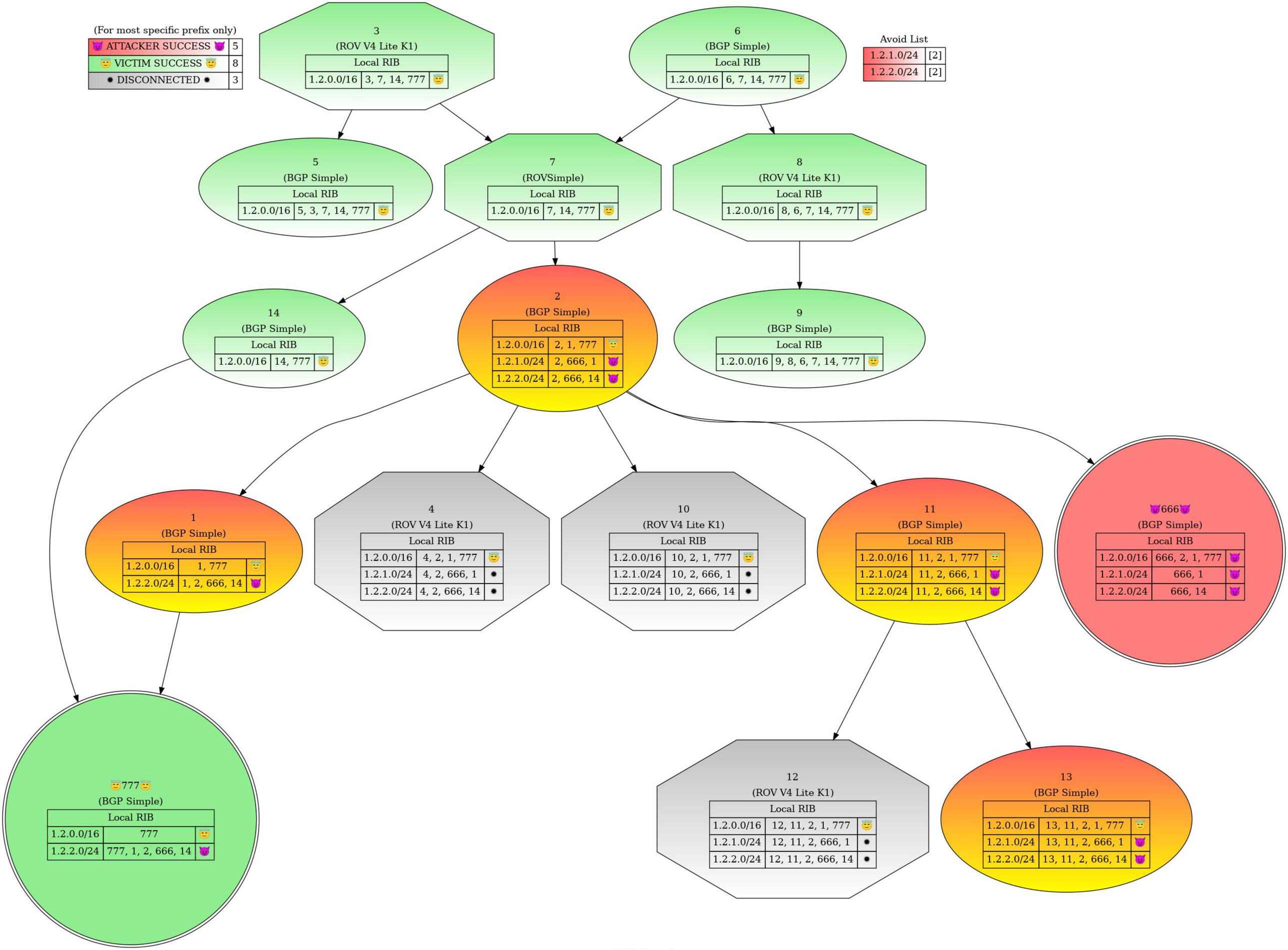
(134 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



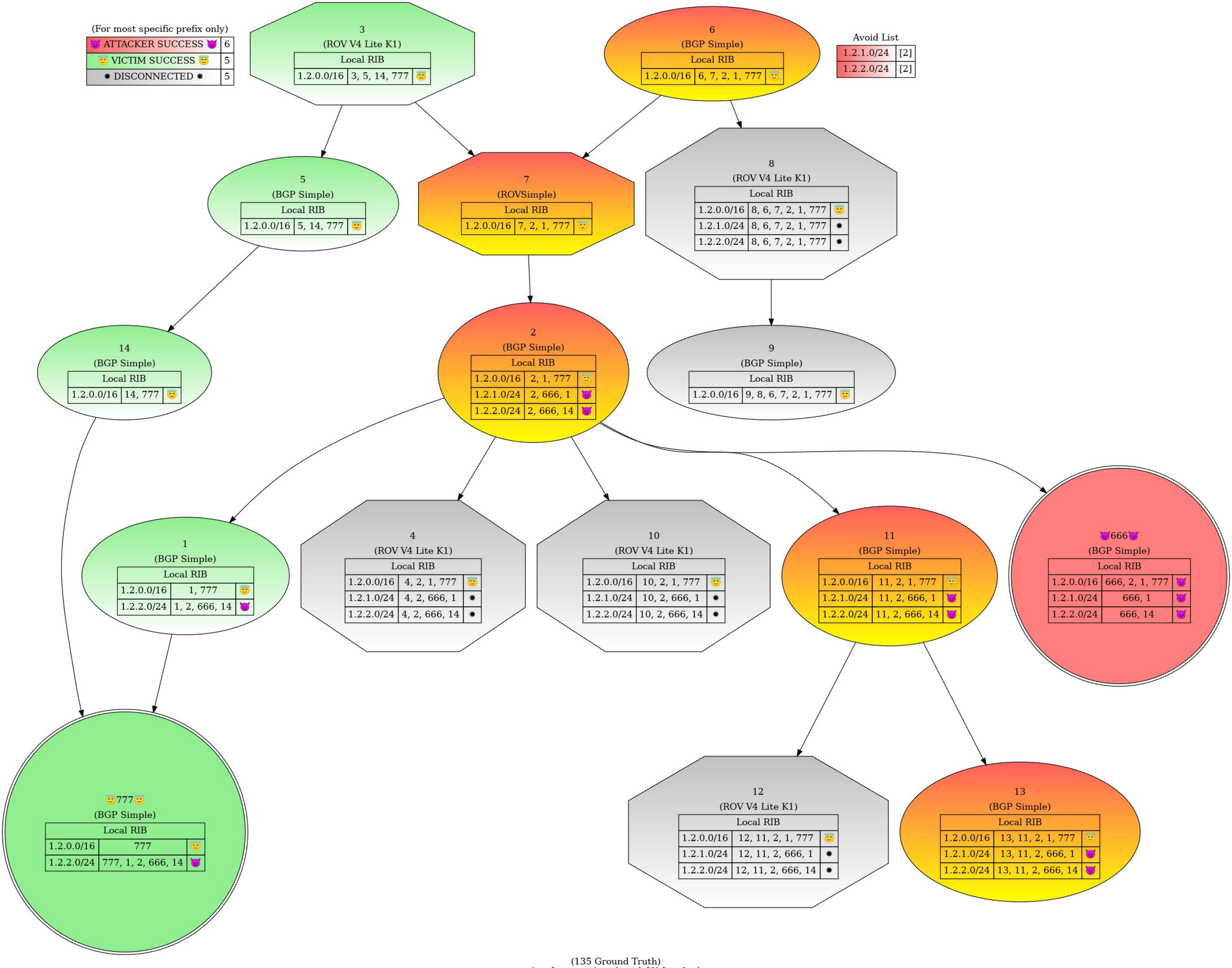
(134 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



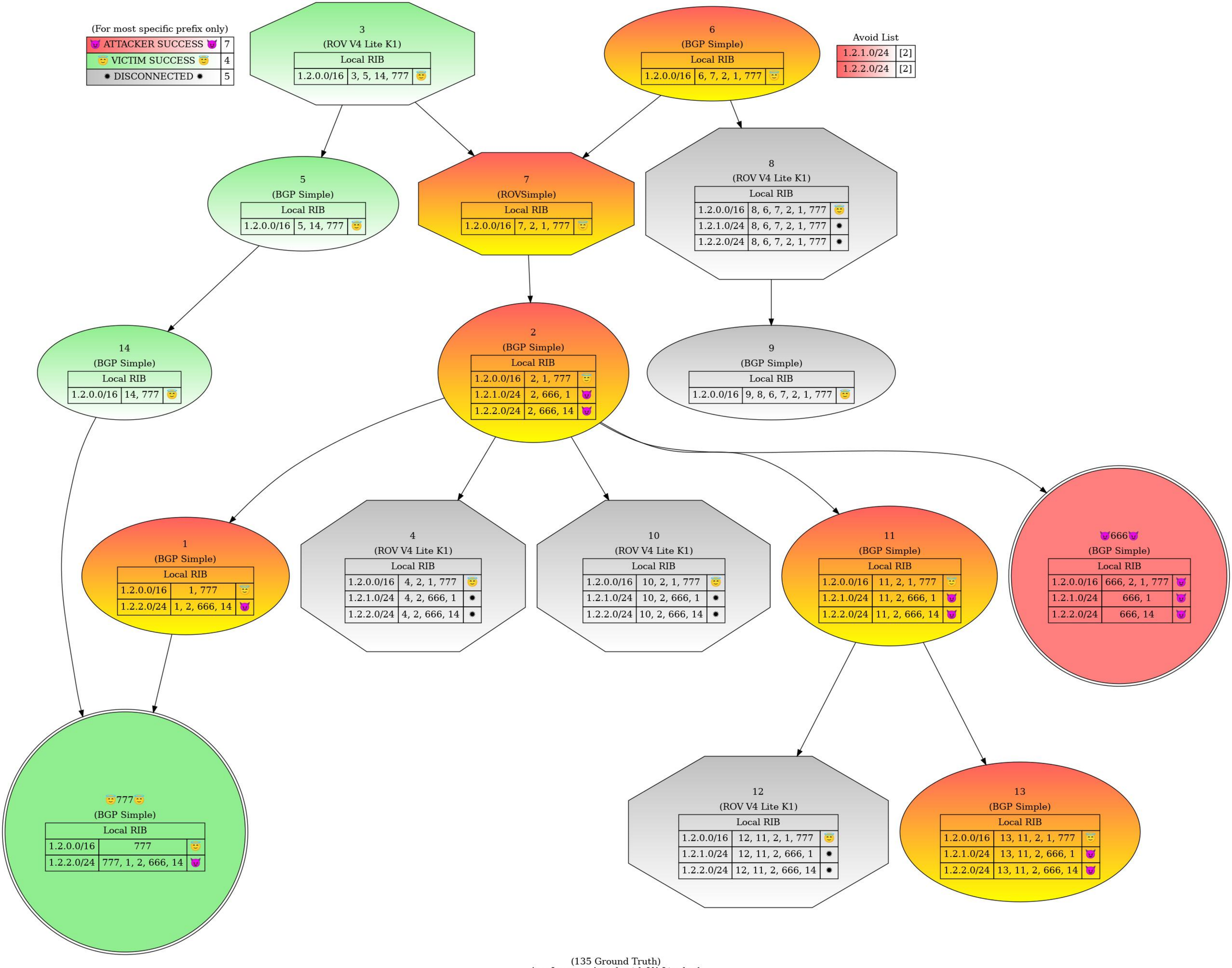
(134 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



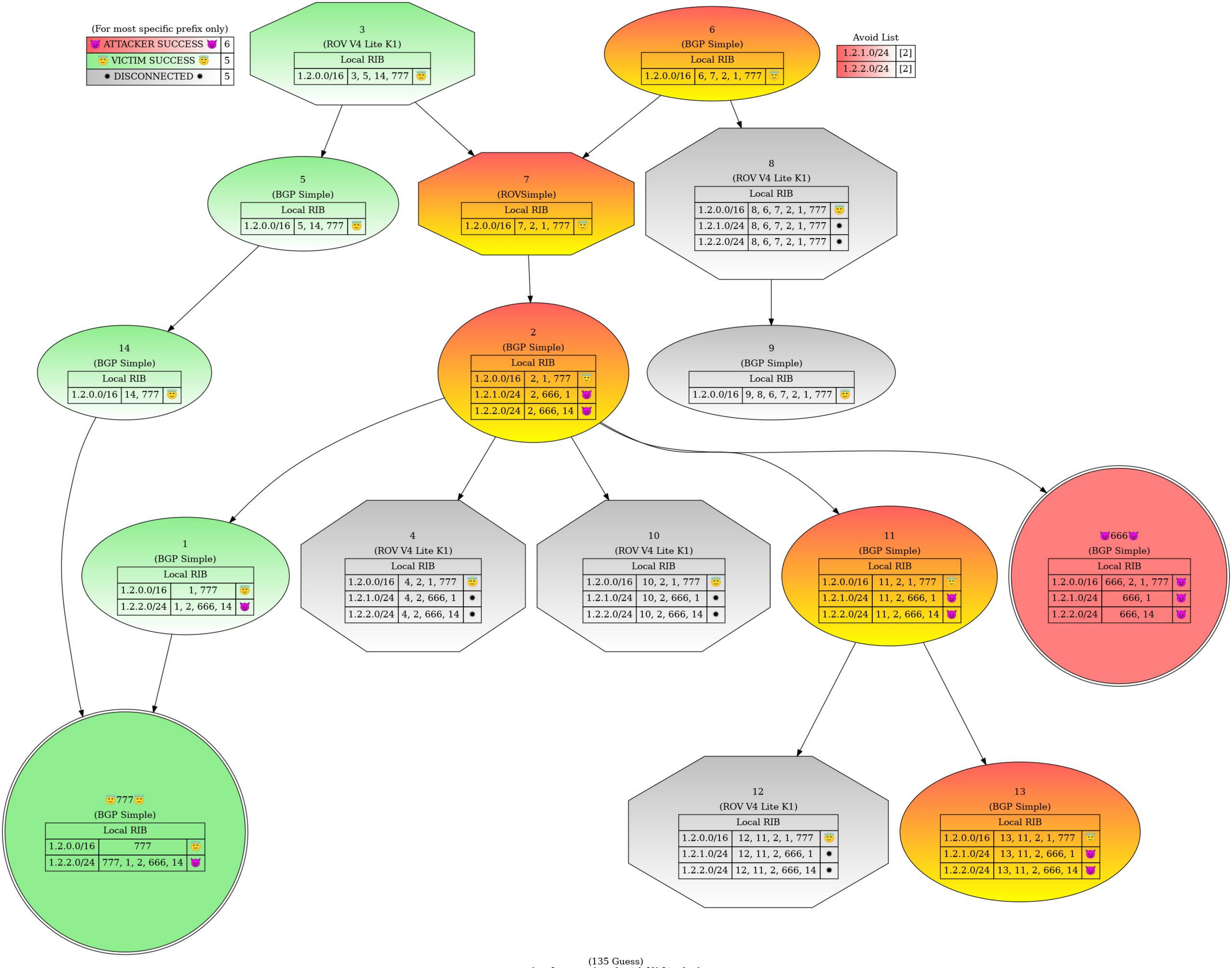
(134 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



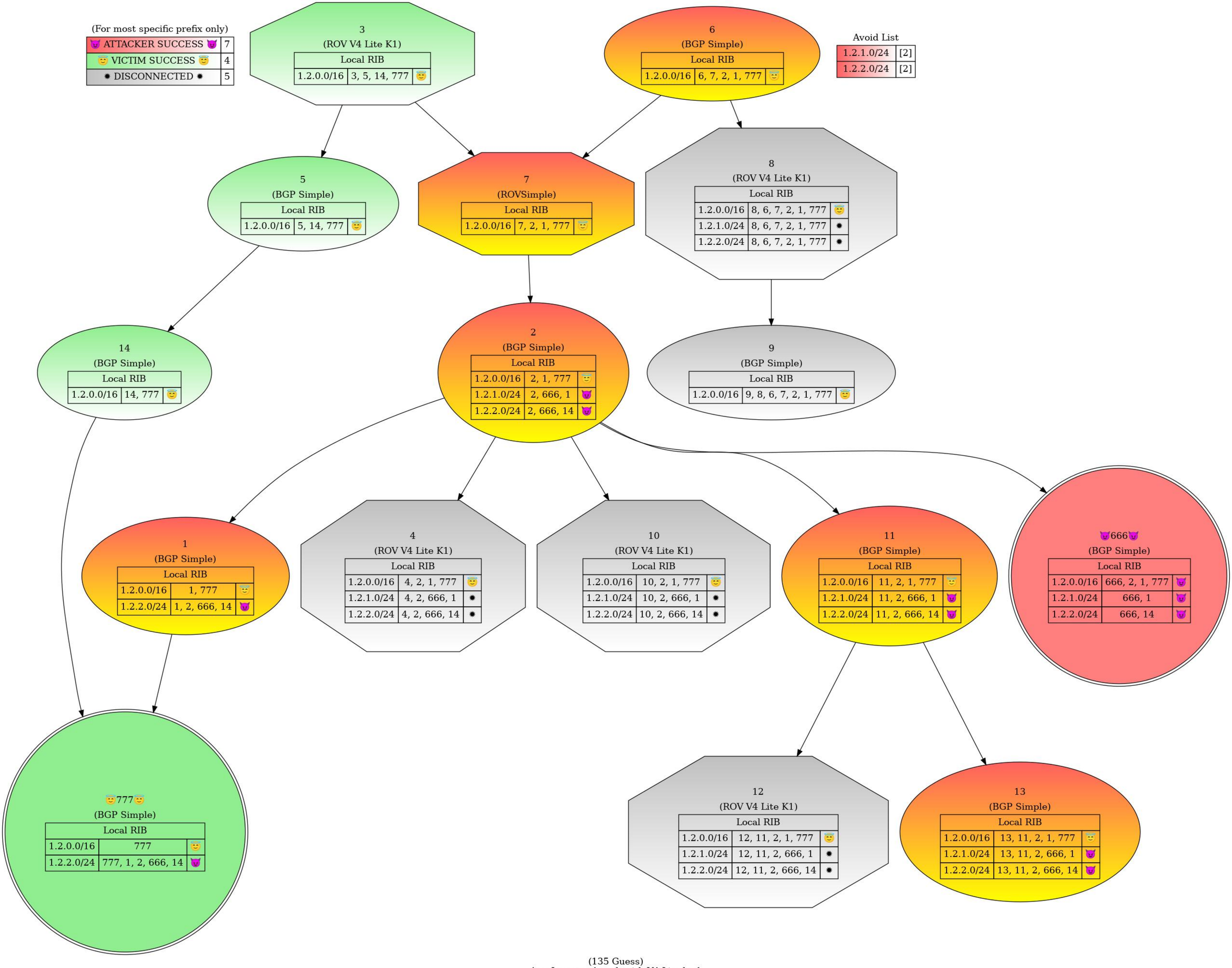
(135 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



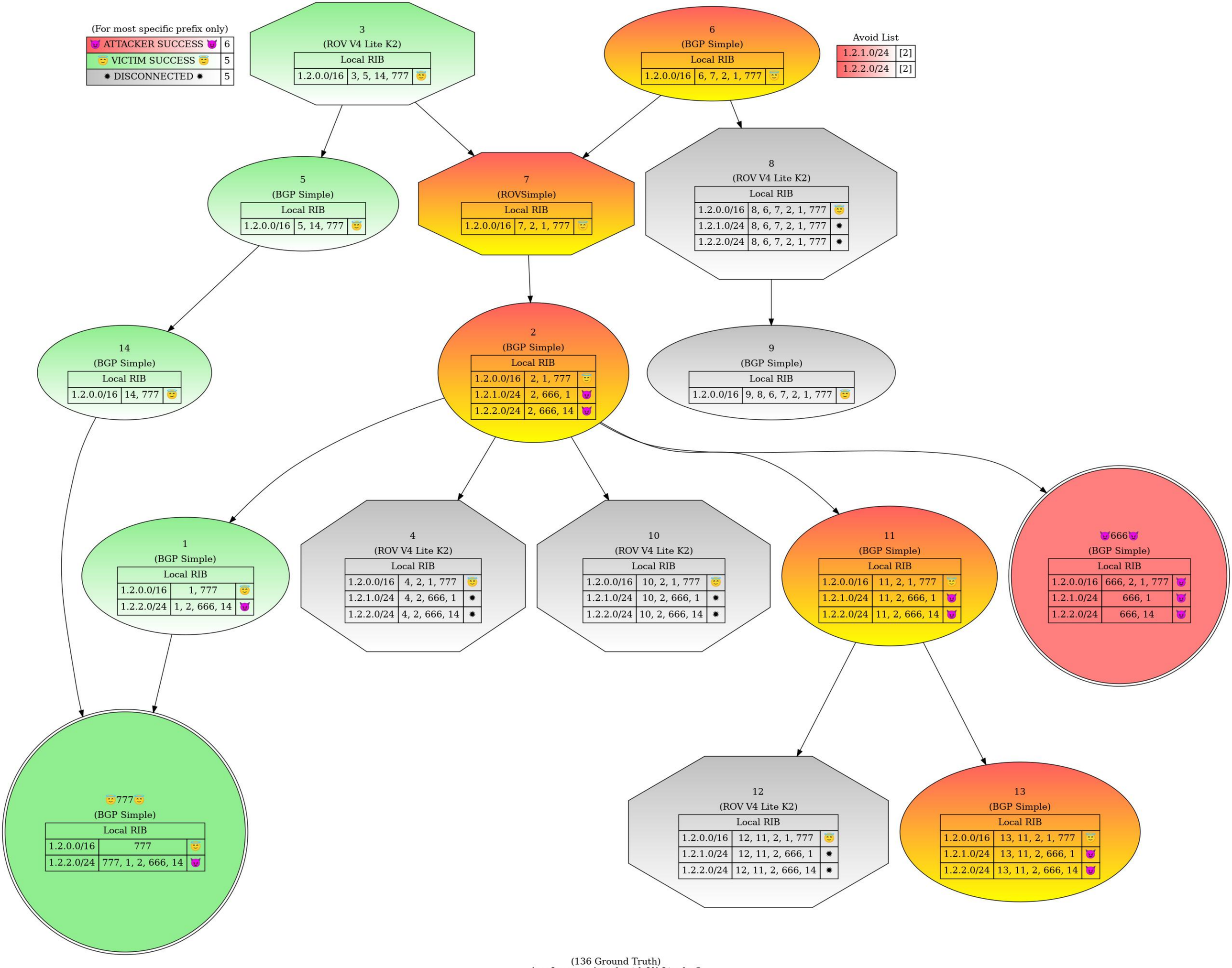
(135 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



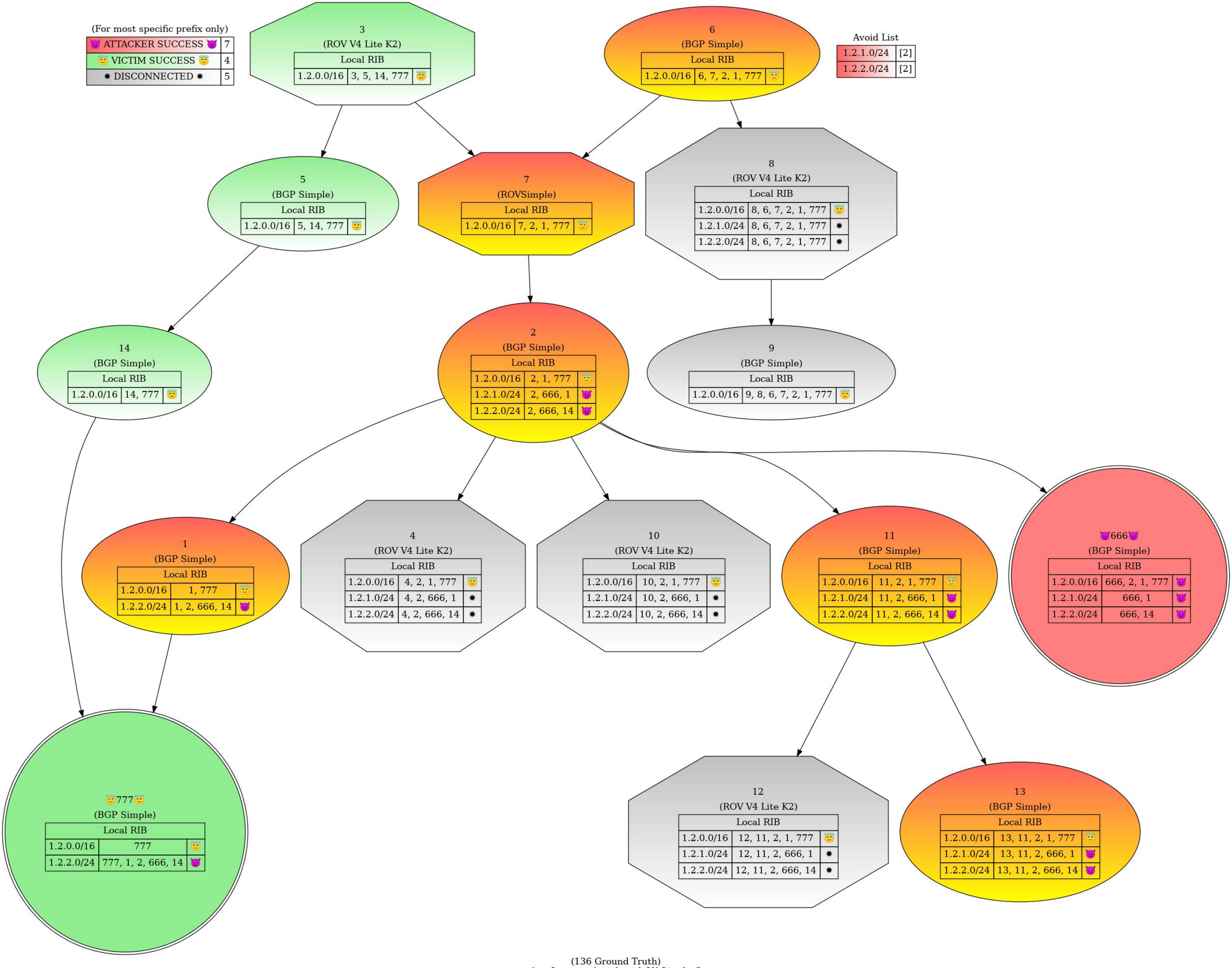
(135 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



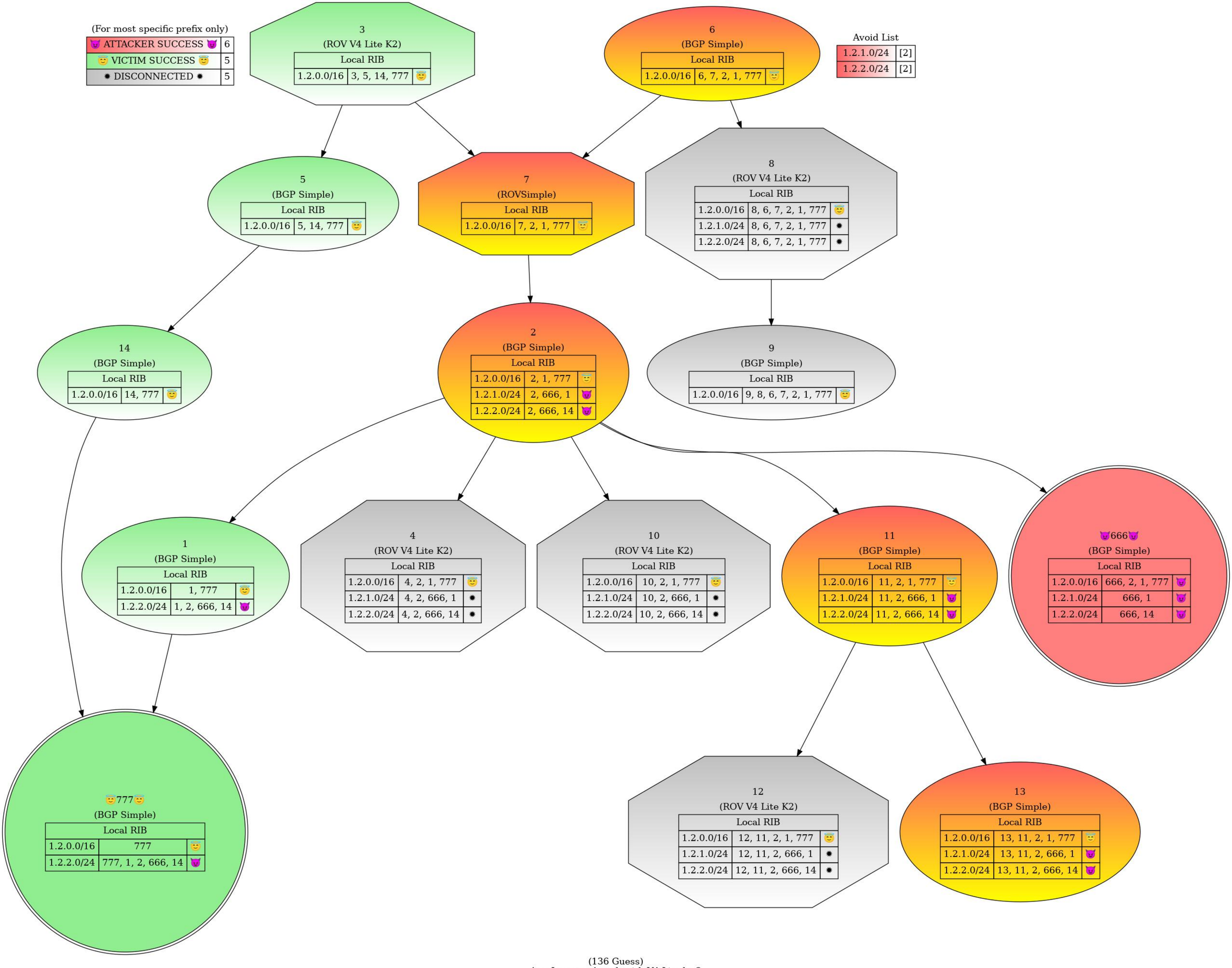
(135 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



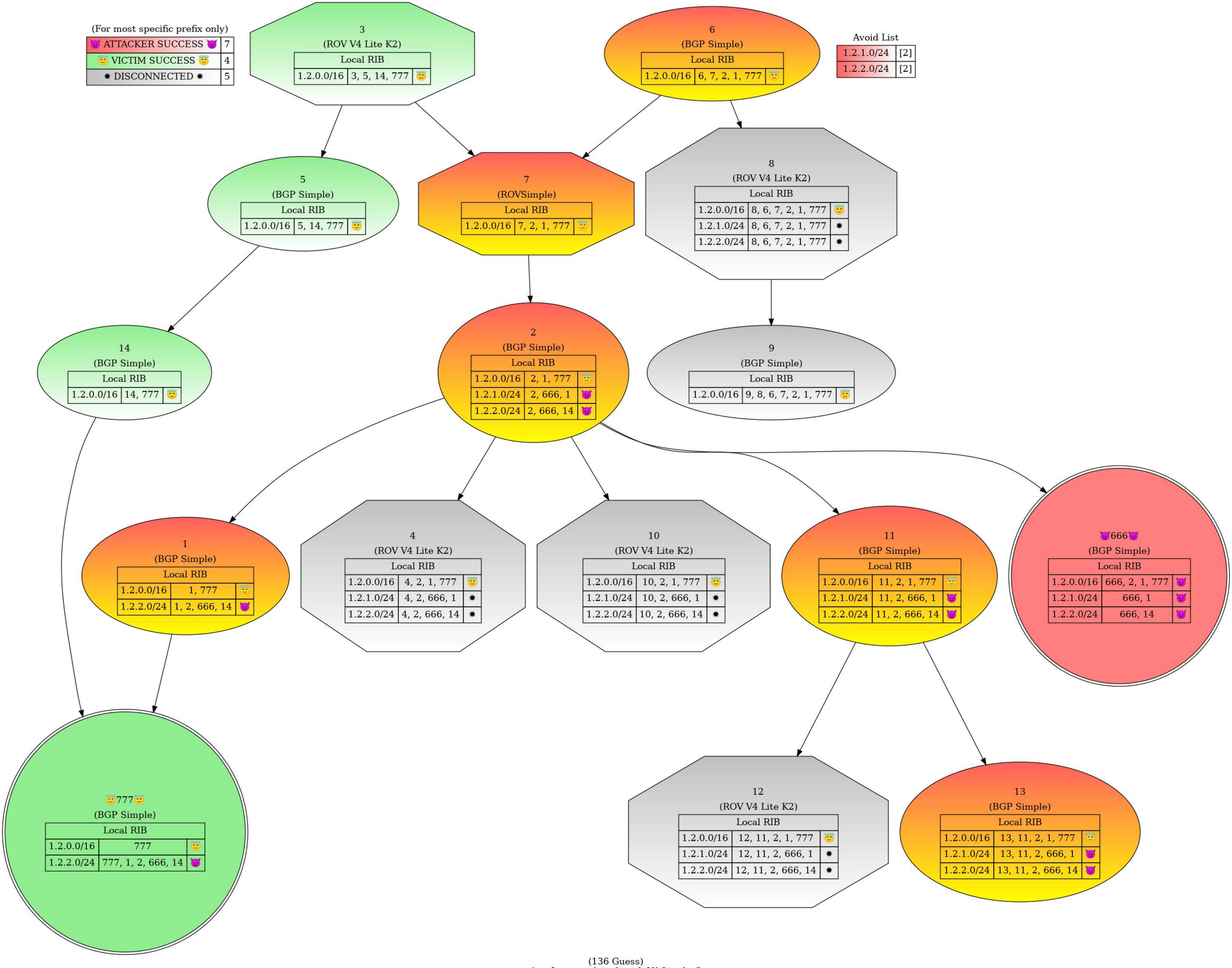
(136 Ground Truth)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.1.0/24



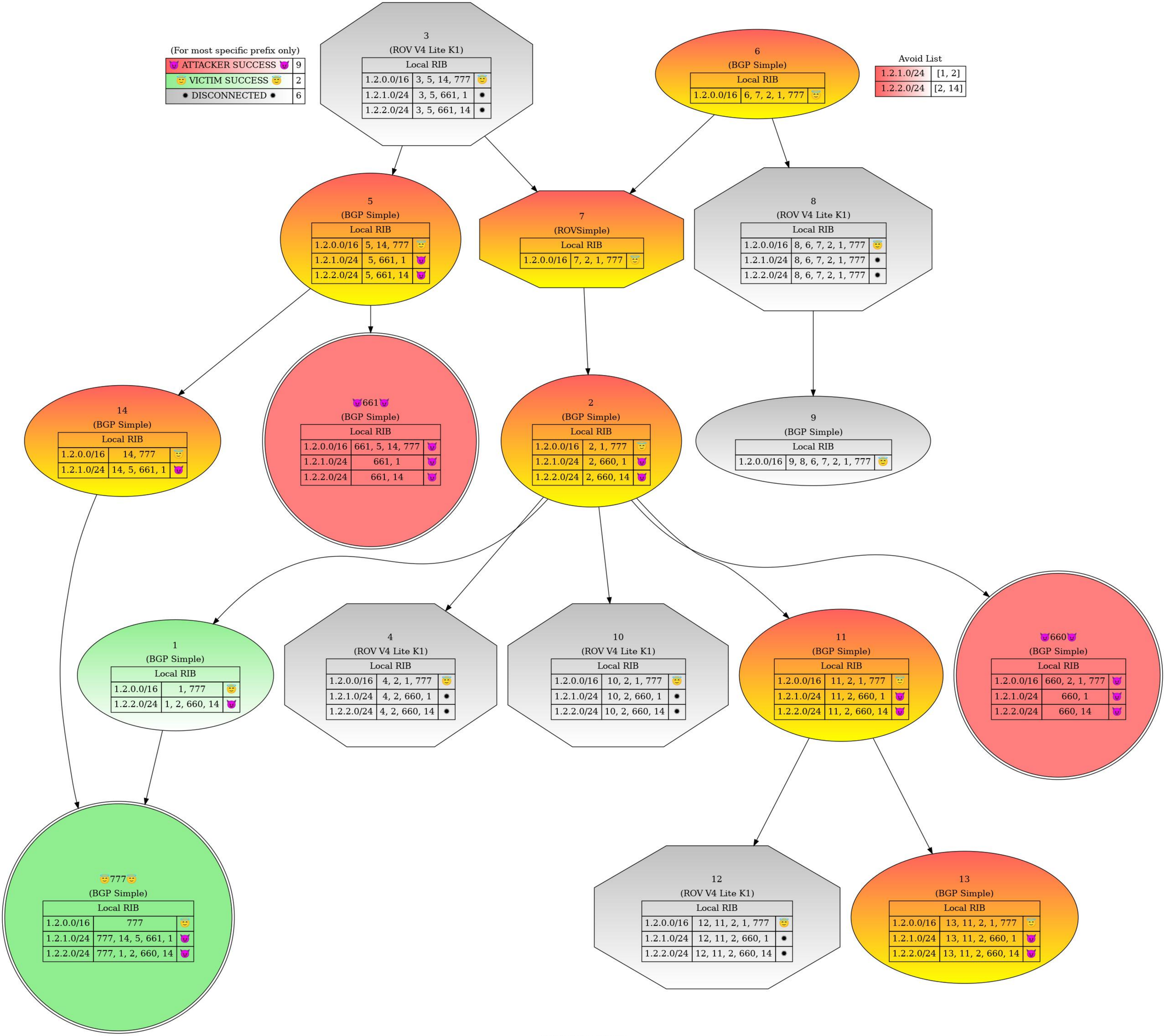
(136 Ground Truth)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.2.0/24



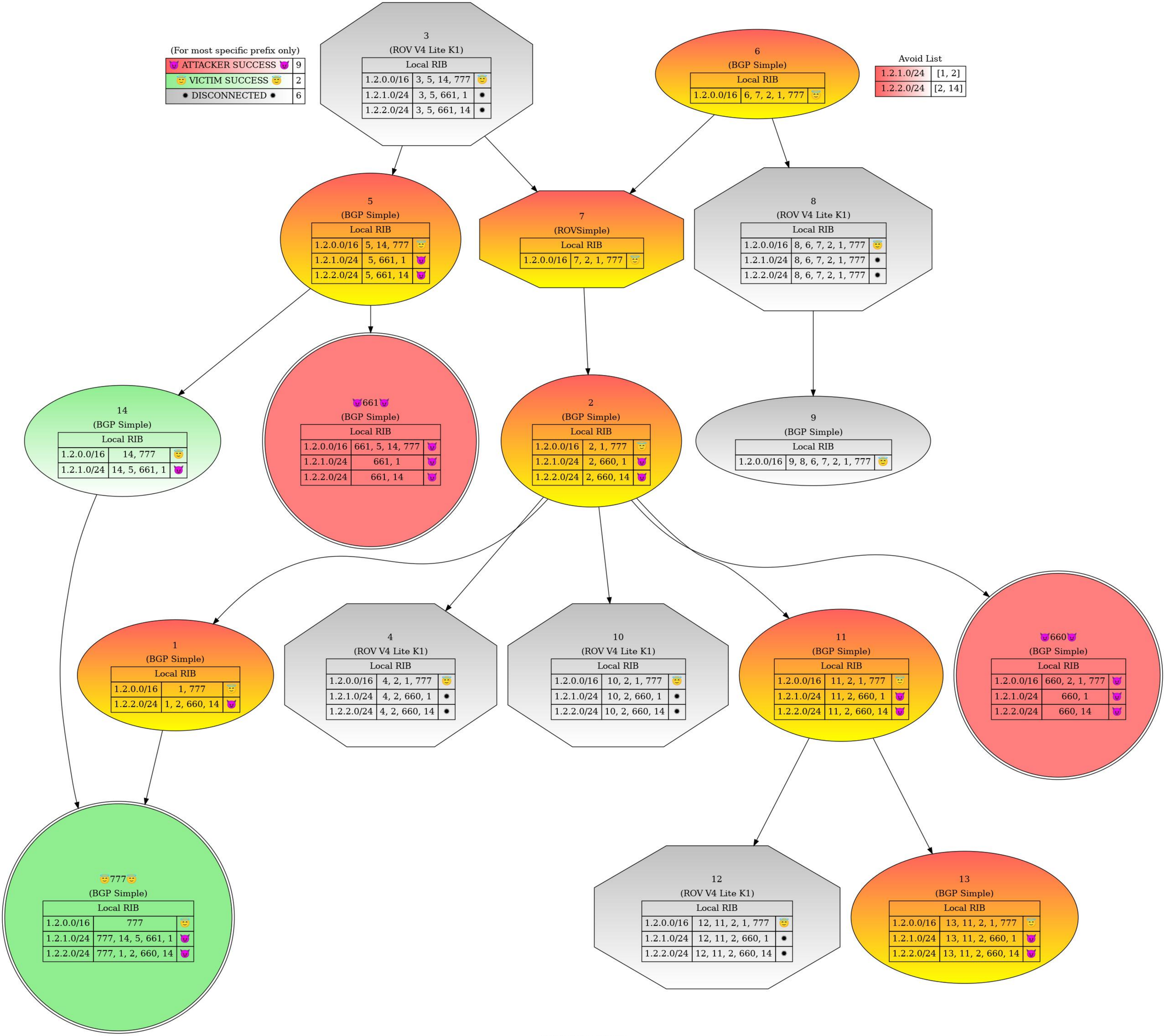
(136 Guess)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.1.0/24



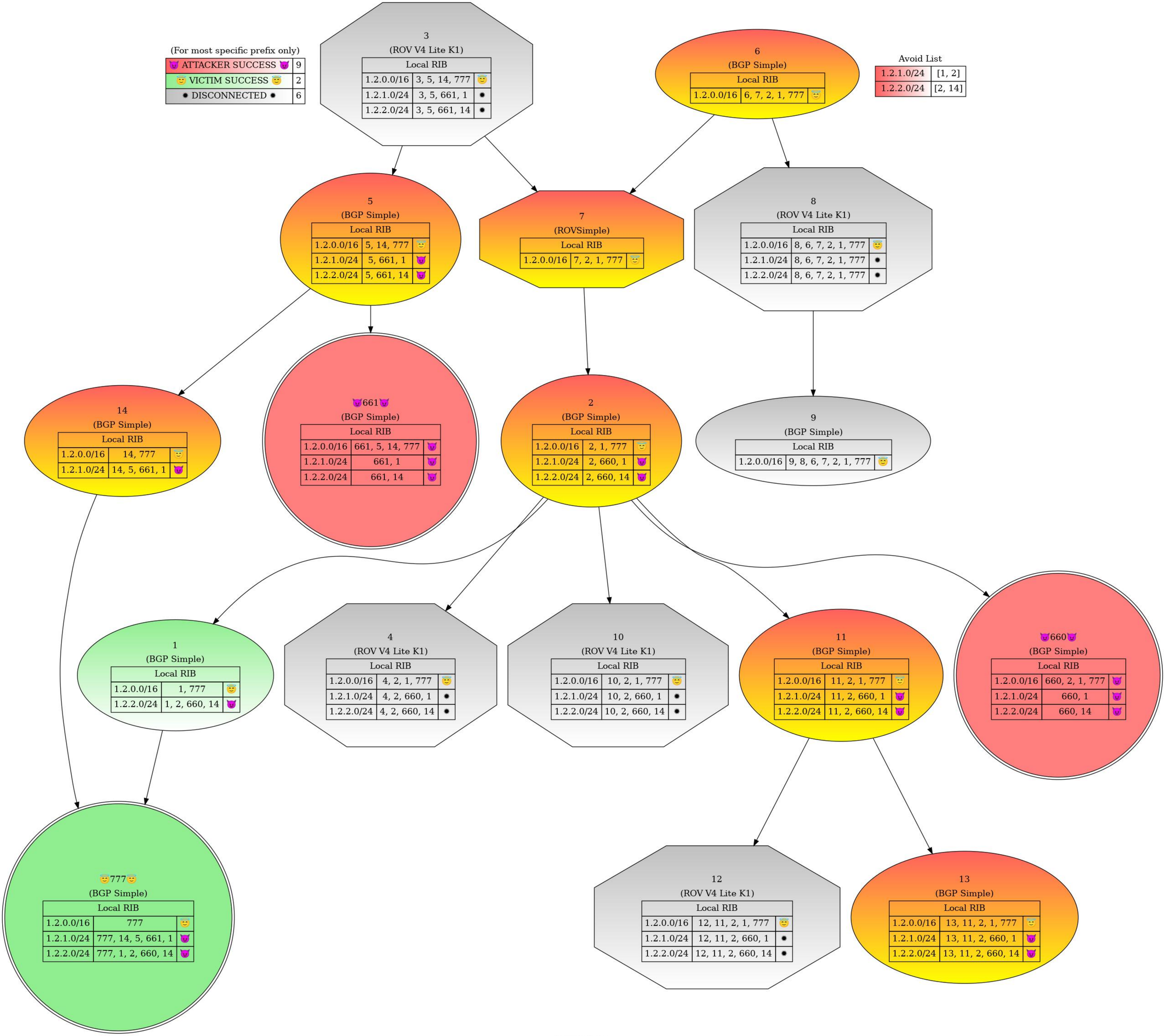
(136 Guess)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.2.0/24



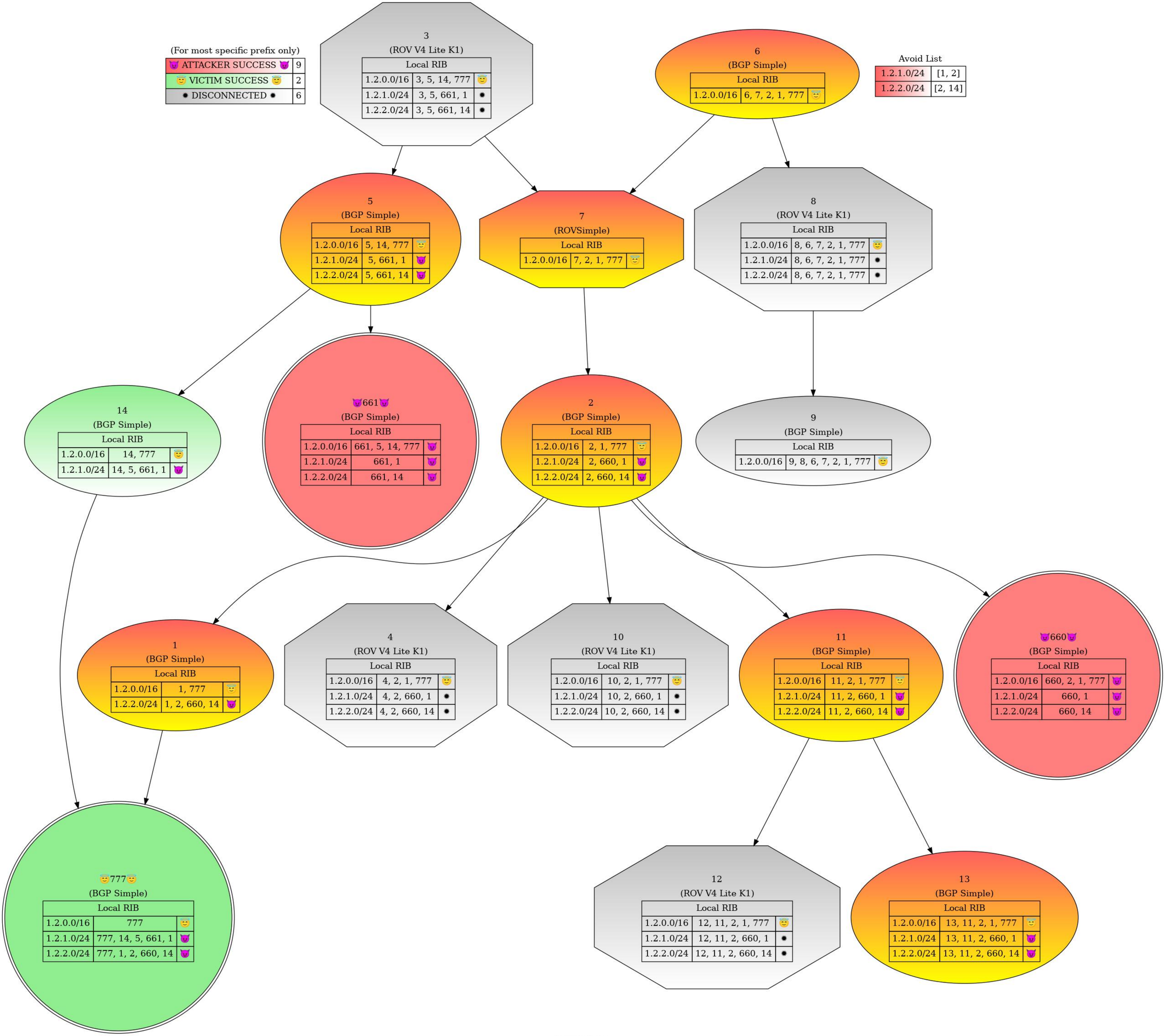
(137 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



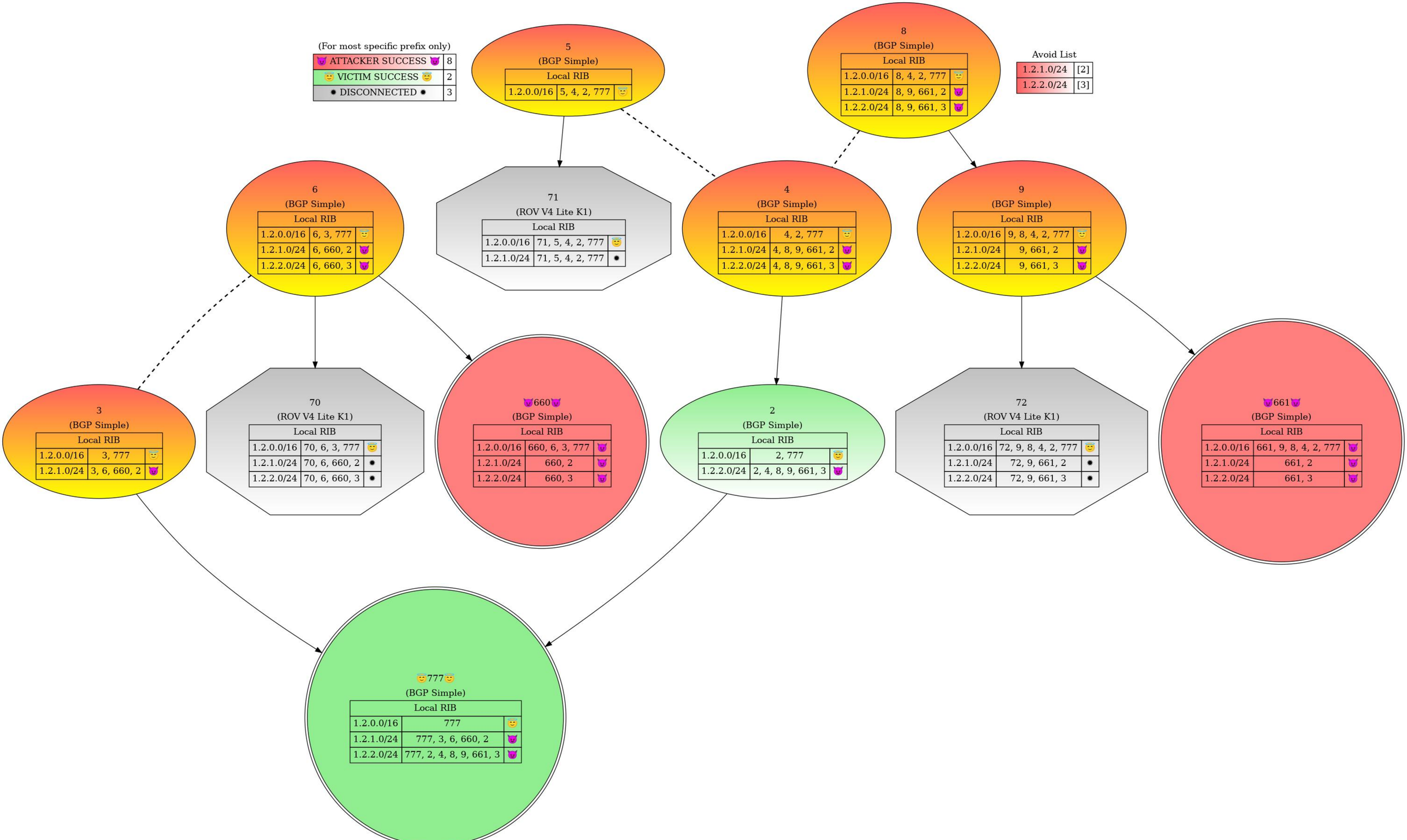
(137 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



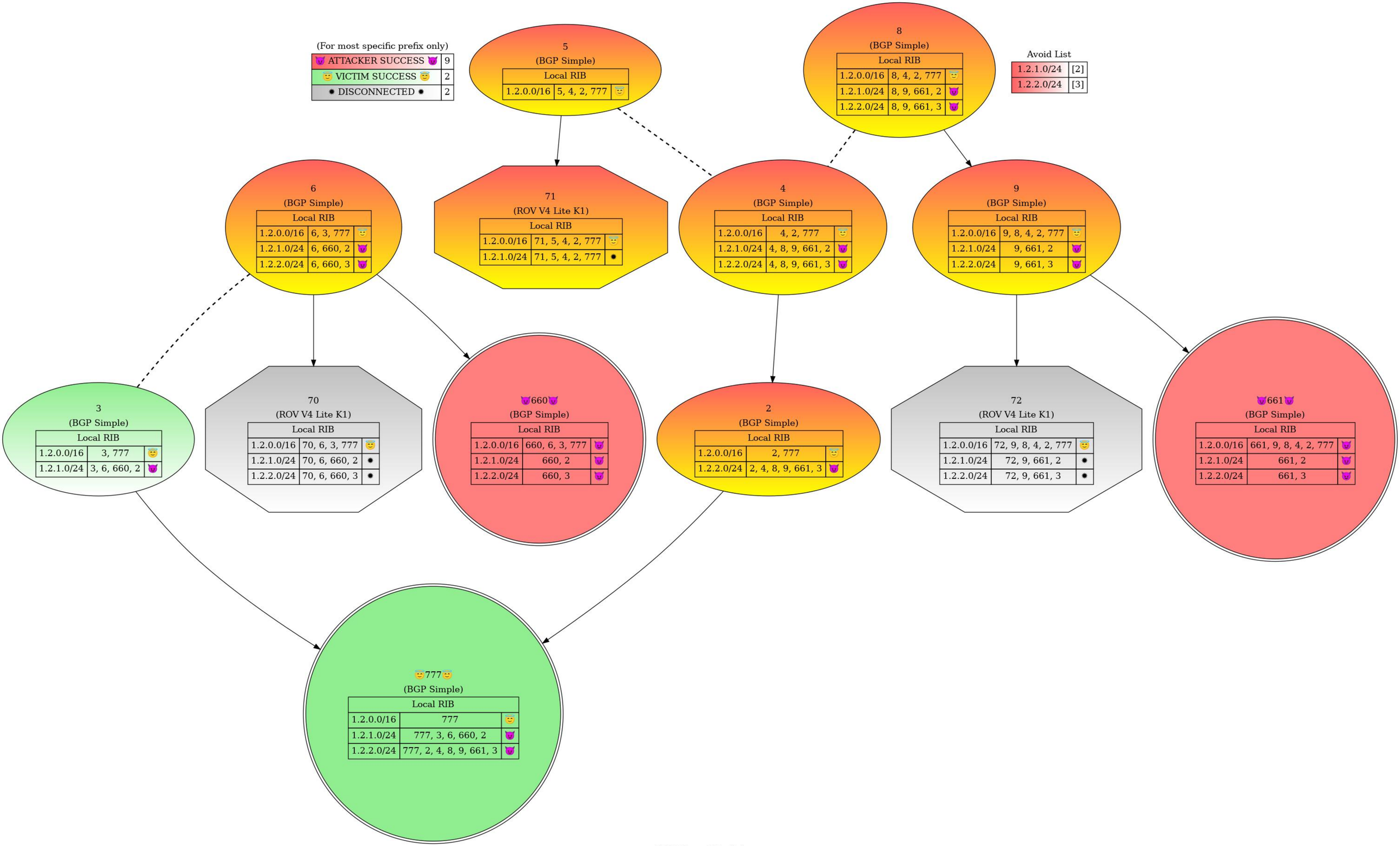
(137 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



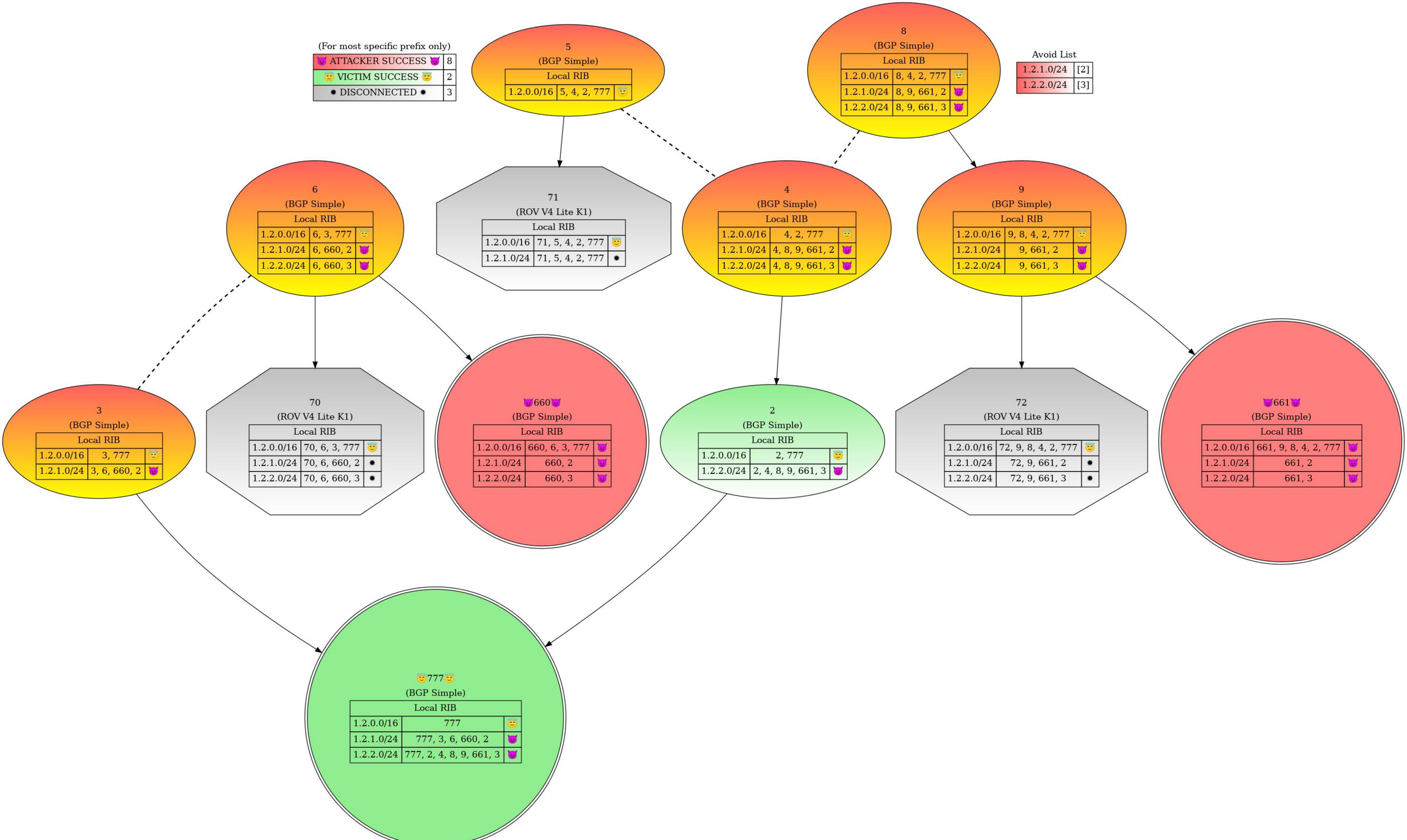
(137 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



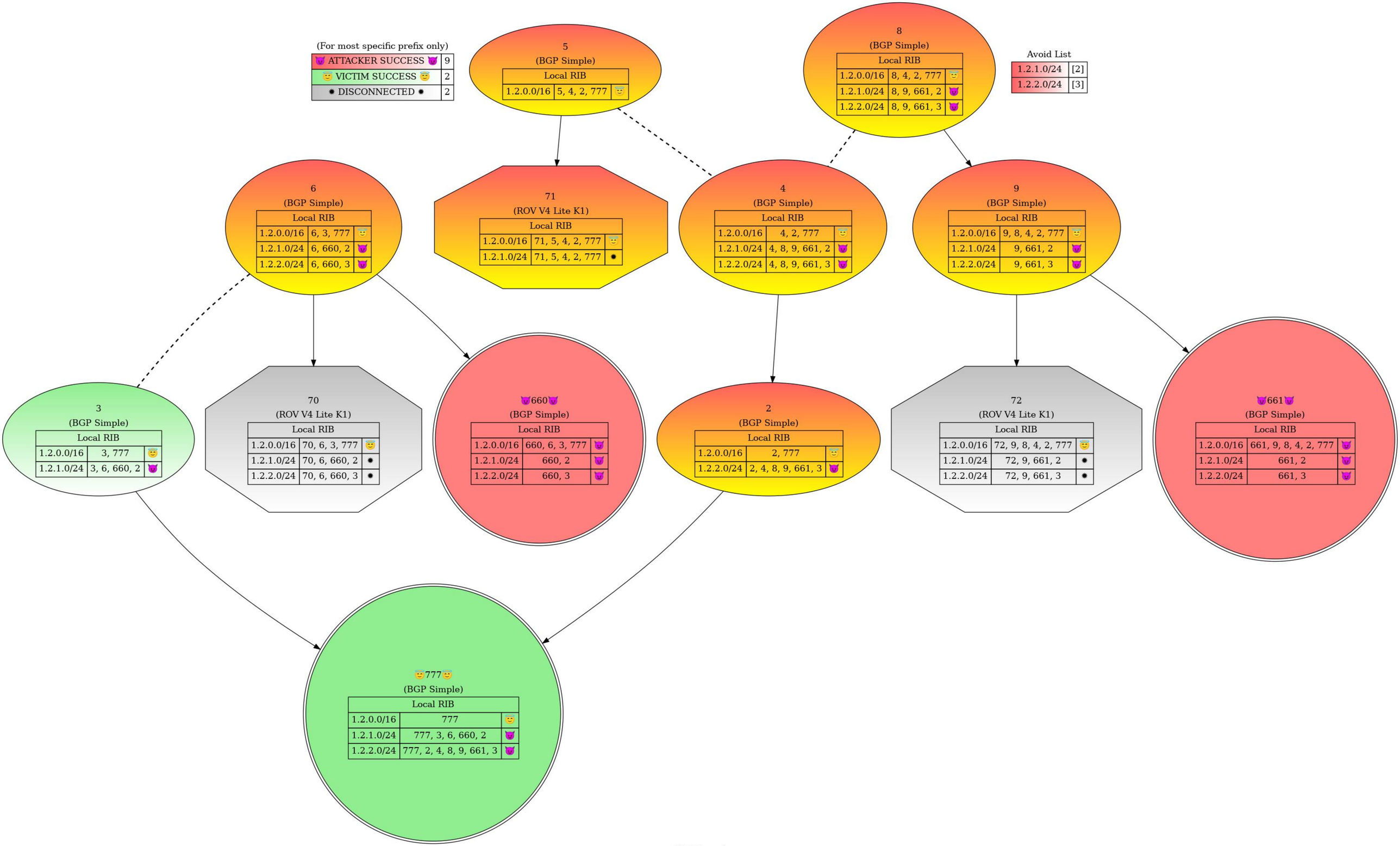
(138 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



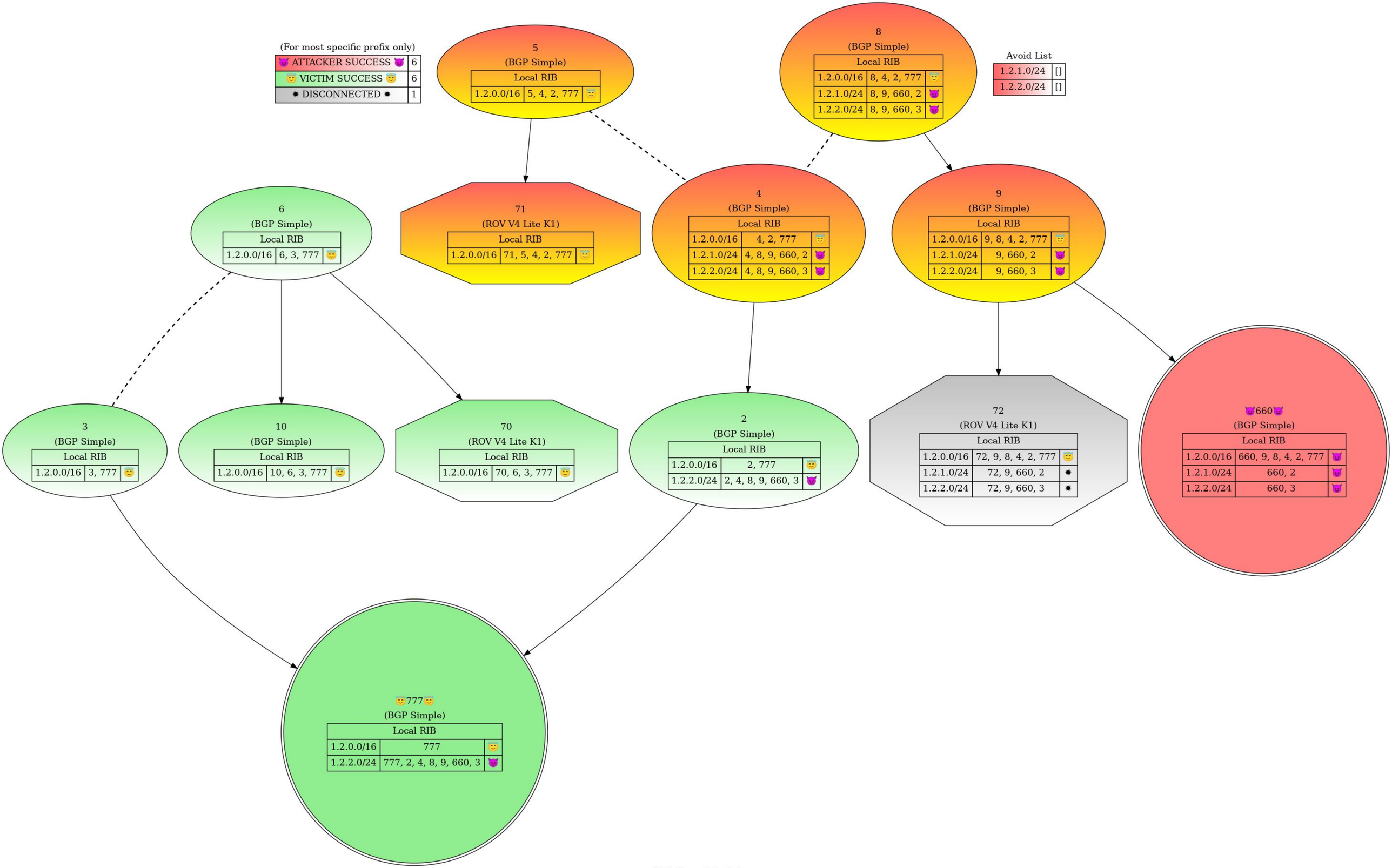
(138 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



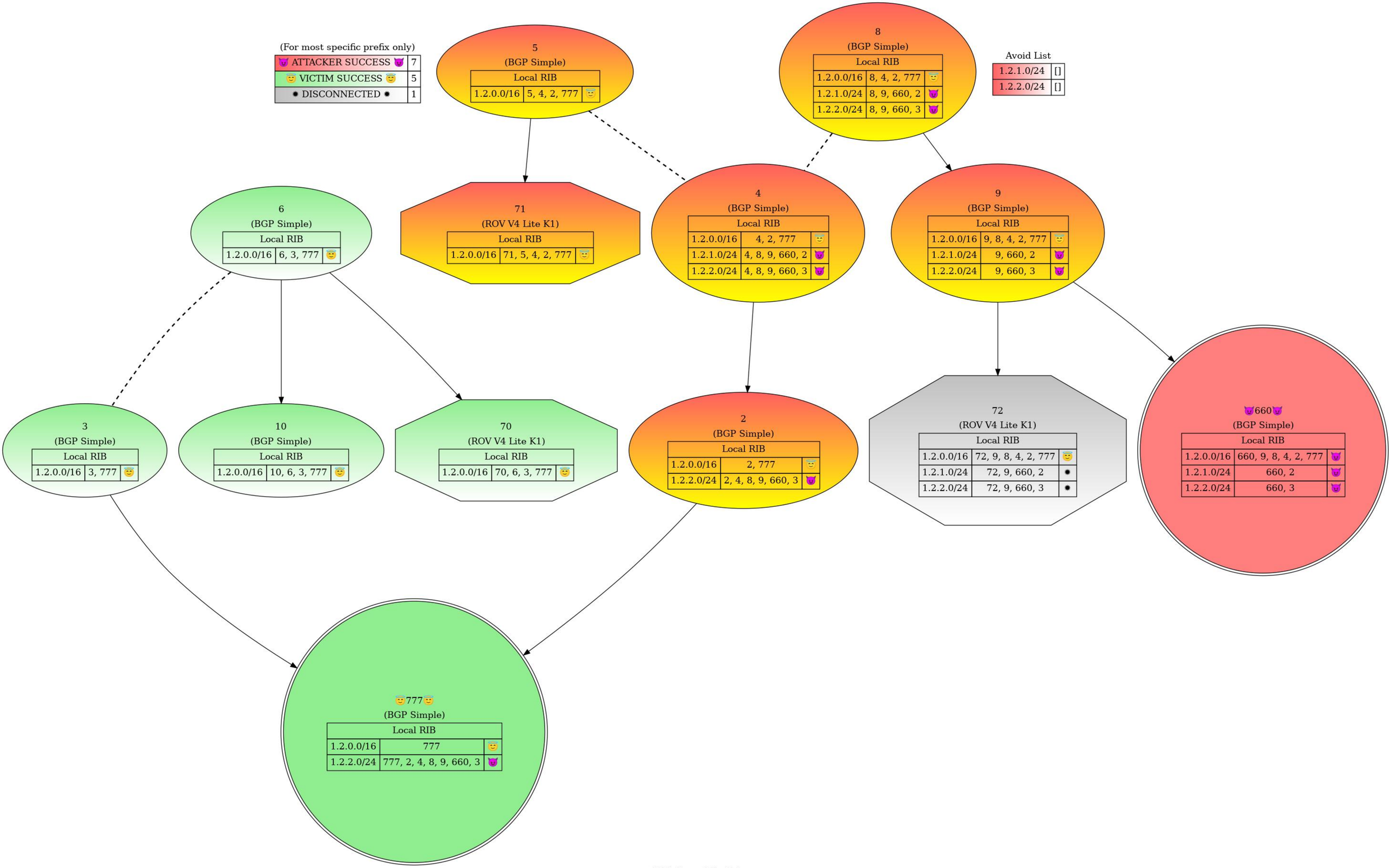
(138 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



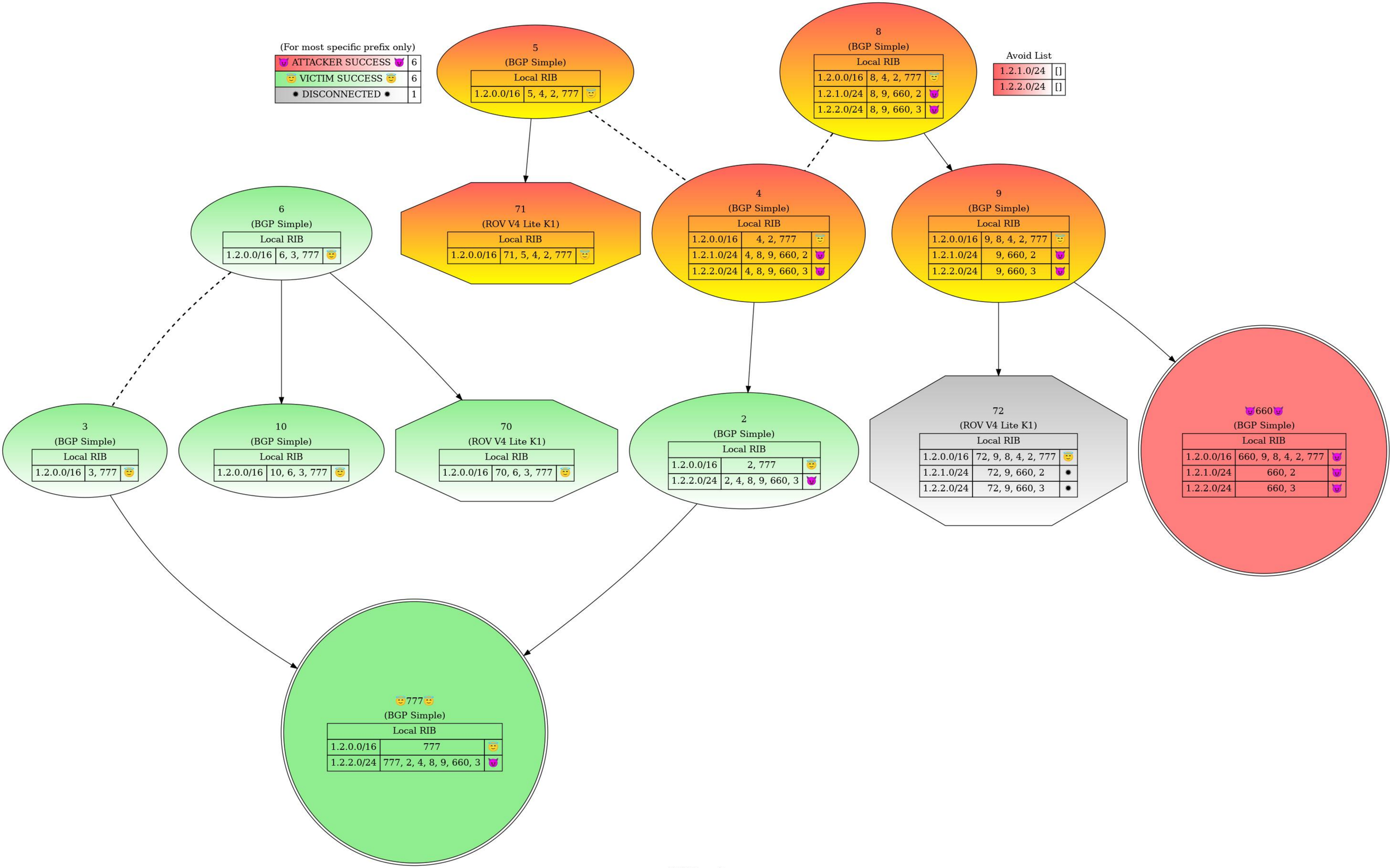
(138 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



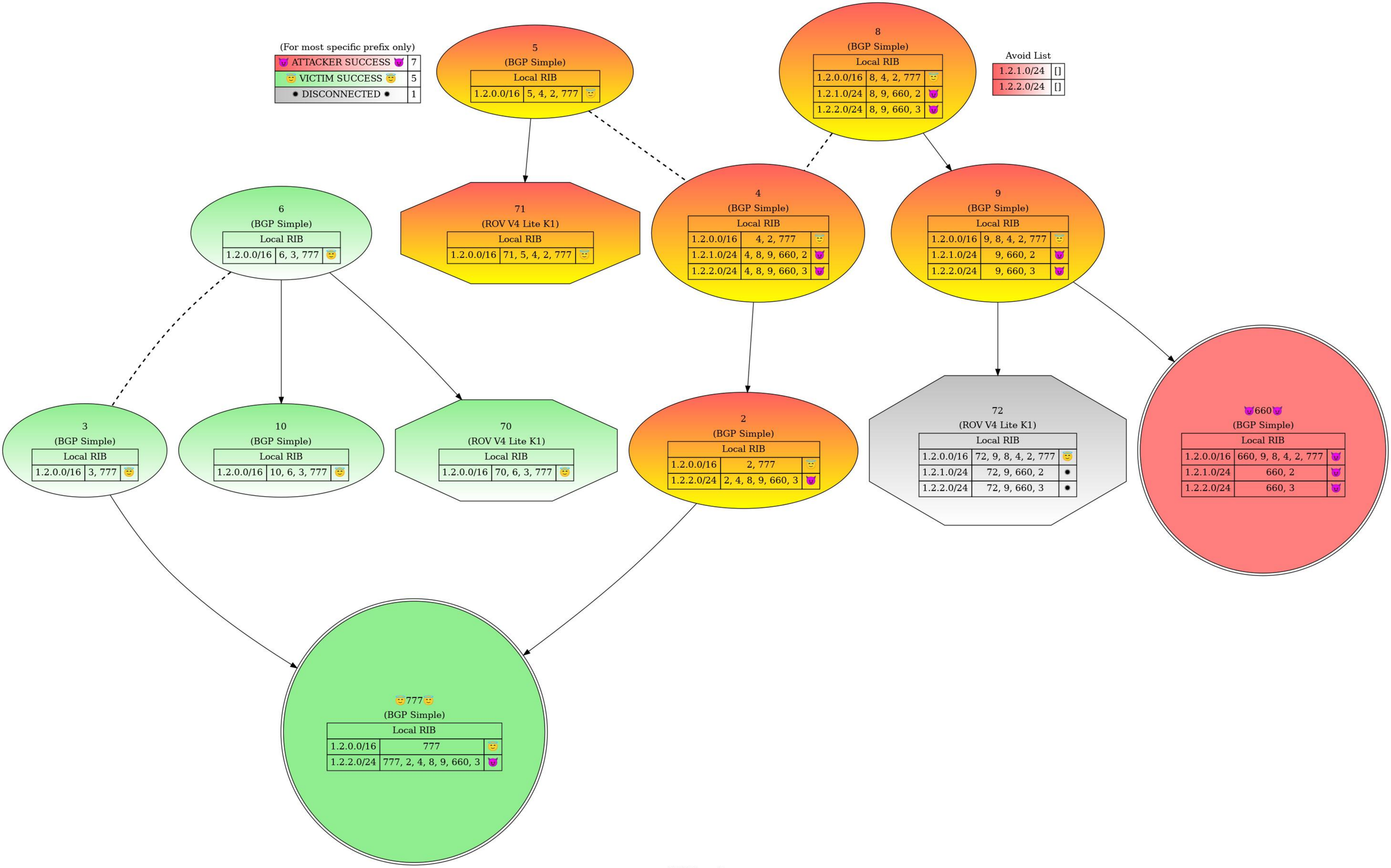
(139 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



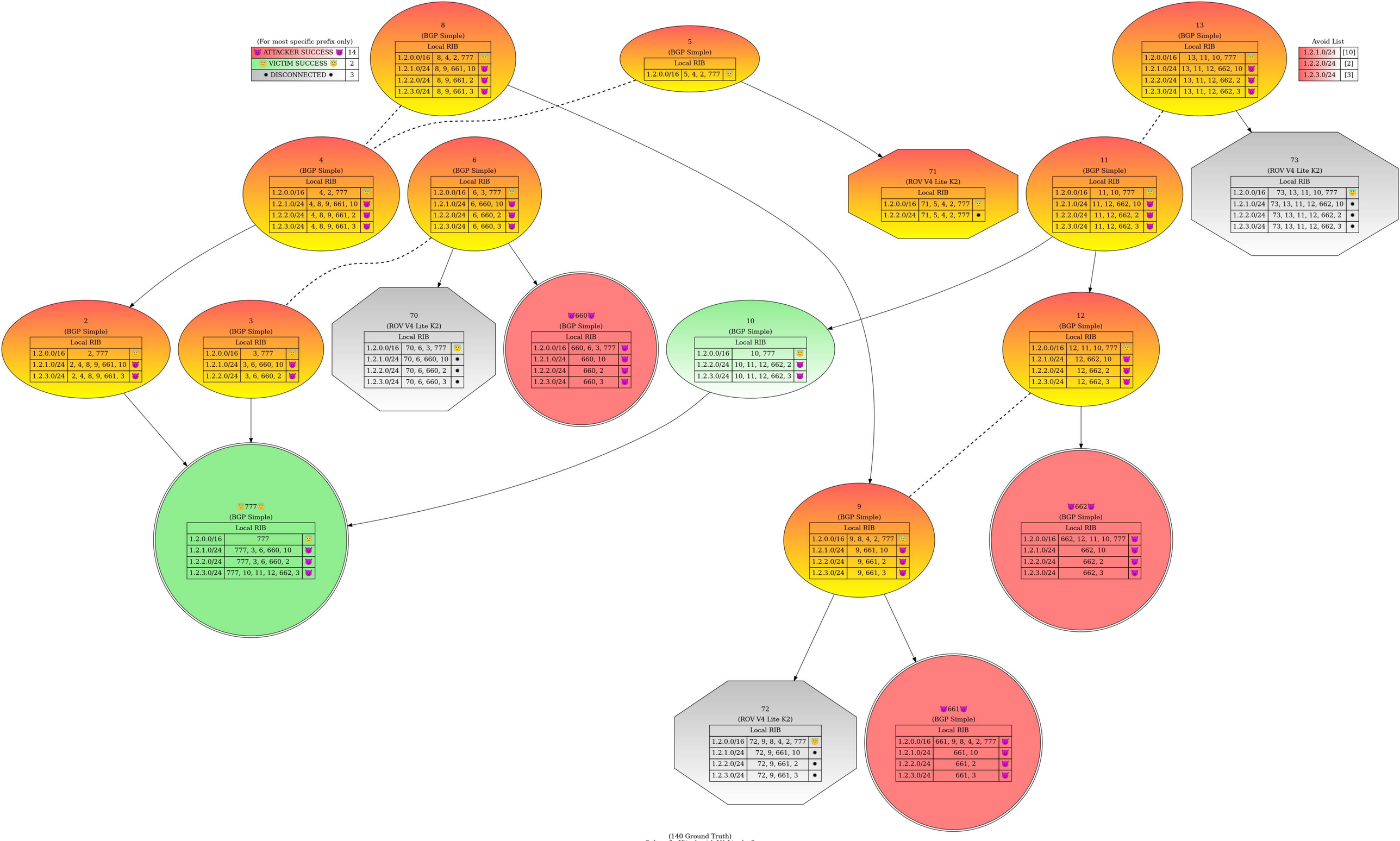
(139 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



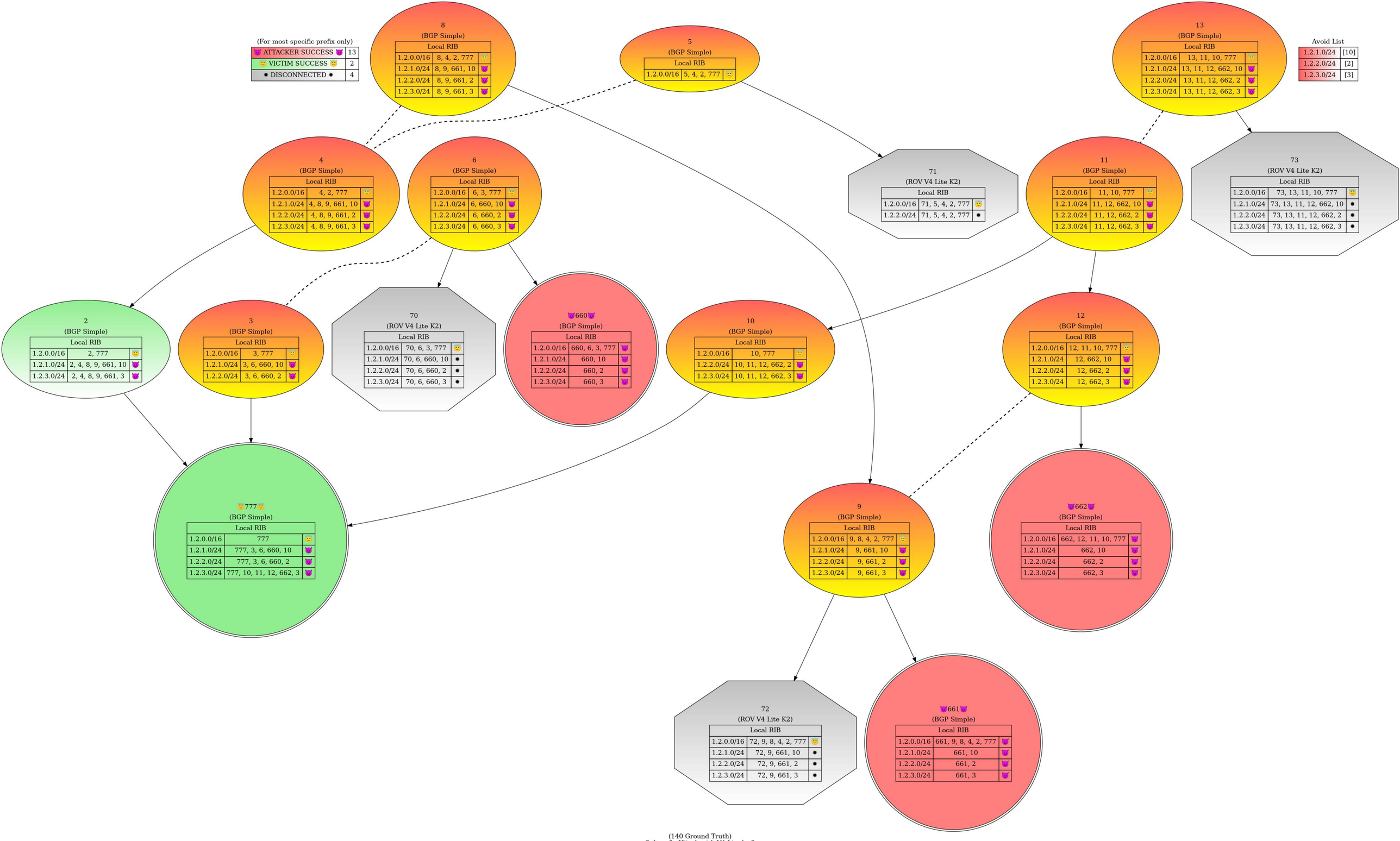
(139 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



(139 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



(140 Ground Truth)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.1.0/24



(140 Ground Truth)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.2.0/24

(For most specific prefix only)

😈 ATTACKER SUCCESS 😈	14
😊 VICTIM SUCCESS 😊	2
● DISCONNECTED ●	3

Avoid List

1.2.1.0/24	[10]
1.2.2.0/24	[2]
1.2.3.0/24	[3]

8
(BGP Simple)

Local RIB		
1.2.0.0/16	8, 4, 2, 777	😊
1.2.1.0/24	8, 9, 661, 10	😈
1.2.2.0/24	8, 9, 661, 2	😈
1.2.3.0/24	8, 9, 661, 3	😈

5
(BGP Simple)

Local RIB		
1.2.0.0/16	5, 4, 2, 777	😊

13
(BGP Simple)

Local RIB		
1.2.0.0/16	13, 11, 10, 777	😊
1.2.1.0/24	13, 11, 12, 662, 10	😈
1.2.2.0/24	13, 11, 12, 662, 2	😈
1.2.3.0/24	13, 11, 12, 662, 3	😈

4
(BGP Simple)

Local RIB		
1.2.0.0/16	4, 2, 777	😊
1.2.1.0/24	4, 8, 9, 661, 10	😈
1.2.2.0/24	4, 8, 9, 661, 2	😈
1.2.3.0/24	4, 8, 9, 661, 3	😈

6
(BGP Simple)

Local RIB		
1.2.0.0/16	6, 3, 777	😊
1.2.1.0/24	6, 660, 10	😈
1.2.2.0/24	6, 660, 2	😈
1.2.3.0/24	6, 660, 3	😈

71
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	71, 5, 4, 2, 777	😊
1.2.2.0/24	71, 5, 4, 2, 777	●

11
(BGP Simple)

Local RIB		
1.2.0.0/16	11, 10, 777	😊
1.2.1.0/24	11, 12, 662, 10	😈
1.2.2.0/24	11, 12, 662, 2	😈
1.2.3.0/24	11, 12, 662, 3	😈

73
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	73, 13, 11, 10, 777	😊
1.2.1.0/24	73, 13, 11, 12, 662, 10	●
1.2.2.0/24	73, 13, 11, 12, 662, 2	●
1.2.3.0/24	73, 13, 11, 12, 662, 3	●

2
(BGP Simple)

Local RIB		
1.2.0.0/16	2, 777	😊
1.2.1.0/24	2, 4, 8, 9, 661, 10	😈
1.2.3.0/24	2, 4, 8, 9, 661, 3	😈

3
(BGP Simple)

Local RIB		
1.2.0.0/16	3, 777	😊
1.2.1.0/24	3, 6, 660, 10	😈
1.2.2.0/24	3, 6, 660, 2	😈

70
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	70, 6, 3, 777	😊
1.2.1.0/24	70, 6, 660, 10	●
1.2.2.0/24	70, 6, 660, 2	●
1.2.3.0/24	70, 6, 660, 3	●

😈660😈
(BGP Simple)

Local RIB		
1.2.0.0/16	660, 6, 3, 777	😈
1.2.1.0/24	660, 10	😈
1.2.2.0/24	660, 2	😈
1.2.3.0/24	660, 3	😈

10
(BGP Simple)

Local RIB		
1.2.0.0/16	10, 777	😊
1.2.2.0/24	10, 11, 12, 662, 2	😈
1.2.3.0/24	10, 11, 12, 662, 3	😈

12
(BGP Simple)

Local RIB		
1.2.0.0/16	12, 11, 10, 777	😊
1.2.1.0/24	12, 662, 10	😈
1.2.2.0/24	12, 662, 2	😈
1.2.3.0/24	12, 662, 3	😈

😊777😊
(BGP Simple)

Local RIB		
1.2.0.0/16	777	😊
1.2.1.0/24	777, 3, 6, 660, 10	😈
1.2.2.0/24	777, 3, 6, 660, 2	😈
1.2.3.0/24	777, 10, 11, 12, 662, 3	😈

9
(BGP Simple)

Local RIB		
1.2.0.0/16	9, 8, 4, 2, 777	😊
1.2.1.0/24	9, 661, 10	😈
1.2.2.0/24	9, 661, 2	😈
1.2.3.0/24	9, 661, 3	😈

😈662😈
(BGP Simple)

Local RIB		
1.2.0.0/16	662, 12, 11, 10, 777	😈
1.2.1.0/24	662, 10	😈
1.2.2.0/24	662, 2	😈
1.2.3.0/24	662, 3	😈

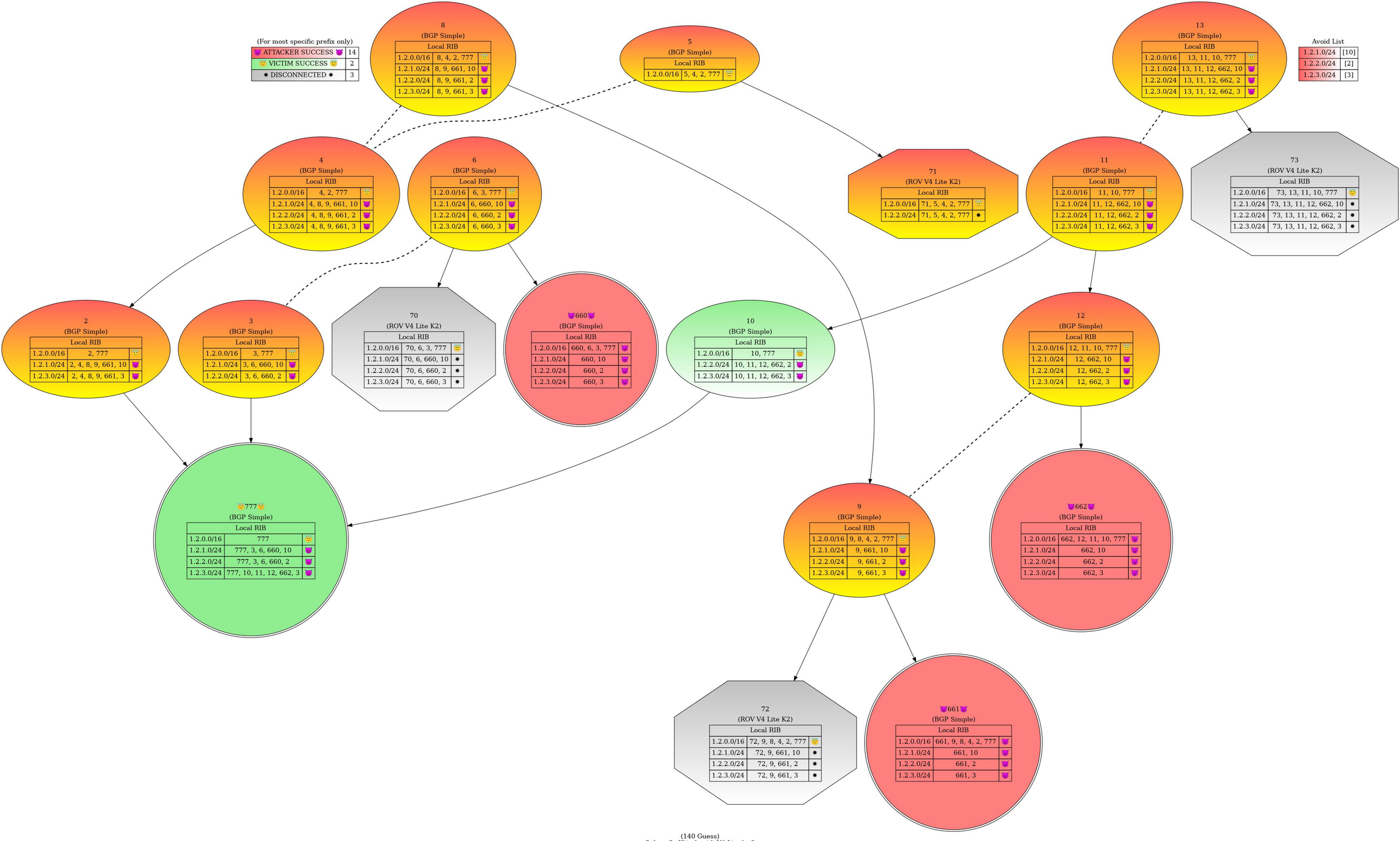
72
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	72, 9, 8, 4, 2, 777	😊
1.2.1.0/24	72, 9, 661, 10	●
1.2.2.0/24	72, 9, 661, 2	●
1.2.3.0/24	72, 9, 661, 3	●

😈661😈
(BGP Simple)

Local RIB		
1.2.0.0/16	661, 9, 8, 4, 2, 777	😈
1.2.1.0/24	661, 10	😈
1.2.2.0/24	661, 2	😈
1.2.3.0/24	661, 3	😈

(140 Ground Truth)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



(140 Guess)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.1.0/24

(For most specific prefix only)

😈 ATTACKER SUCCESS 😈	13
😊 VICTIM SUCCESS 😊	2
● DISCONNECTED ●	4

Avoid List

1.2.1.0/24	[10]
1.2.2.0/24	[2]
1.2.3.0/24	[3]

8
(BGP Simple)

Local RIB		
1.2.0.0/16	8, 4, 2, 777	😊
1.2.1.0/24	8, 9, 661, 10	😈
1.2.2.0/24	8, 9, 661, 2	😈
1.2.3.0/24	8, 9, 661, 3	😈

5
(BGP Simple)

Local RIB		
1.2.0.0/16	5, 4, 2, 777	😊

13
(BGP Simple)

Local RIB		
1.2.0.0/16	13, 11, 10, 777	😊
1.2.1.0/24	13, 11, 12, 662, 10	😈
1.2.2.0/24	13, 11, 12, 662, 2	😈
1.2.3.0/24	13, 11, 12, 662, 3	😈

4
(BGP Simple)

Local RIB		
1.2.0.0/16	4, 2, 777	😊
1.2.1.0/24	4, 8, 9, 661, 10	😈
1.2.2.0/24	4, 8, 9, 661, 2	😈
1.2.3.0/24	4, 8, 9, 661, 3	😈

6
(BGP Simple)

Local RIB		
1.2.0.0/16	6, 3, 777	😊
1.2.1.0/24	6, 660, 10	😈
1.2.2.0/24	6, 660, 2	😈
1.2.3.0/24	6, 660, 3	😈

71
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	71, 5, 4, 2, 777	😊
1.2.2.0/24	71, 5, 4, 2, 777	●

11
(BGP Simple)

Local RIB		
1.2.0.0/16	11, 10, 777	😊
1.2.1.0/24	11, 12, 662, 10	😈
1.2.2.0/24	11, 12, 662, 2	😈
1.2.3.0/24	11, 12, 662, 3	😈

73
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	73, 13, 11, 10, 777	😊
1.2.1.0/24	73, 13, 11, 12, 662, 10	●
1.2.2.0/24	73, 13, 11, 12, 662, 2	●
1.2.3.0/24	73, 13, 11, 12, 662, 3	●

2
(BGP Simple)

Local RIB		
1.2.0.0/16	2, 777	😊
1.2.1.0/24	2, 4, 8, 9, 661, 10	😈
1.2.3.0/24	2, 4, 8, 9, 661, 3	😈

3
(BGP Simple)

Local RIB		
1.2.0.0/16	3, 777	😊
1.2.1.0/24	3, 6, 660, 10	😈
1.2.2.0/24	3, 6, 660, 2	😈

70
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	70, 6, 3, 777	😊
1.2.1.0/24	70, 6, 660, 10	●
1.2.2.0/24	70, 6, 660, 2	●
1.2.3.0/24	70, 6, 660, 3	●

😈660😈
(BGP Simple)

Local RIB		
1.2.0.0/16	660, 6, 3, 777	😈
1.2.1.0/24	660, 10	😈
1.2.2.0/24	660, 2	😈
1.2.3.0/24	660, 3	😈

10
(BGP Simple)

Local RIB		
1.2.0.0/16	10, 777	😊
1.2.2.0/24	10, 11, 12, 662, 2	😈
1.2.3.0/24	10, 11, 12, 662, 3	😈

12
(BGP Simple)

Local RIB		
1.2.0.0/16	12, 11, 10, 777	😊
1.2.1.0/24	12, 662, 10	😈
1.2.2.0/24	12, 662, 2	😈
1.2.3.0/24	12, 662, 3	😈

😊777😊
(BGP Simple)

Local RIB		
1.2.0.0/16	777	😊
1.2.1.0/24	777, 3, 6, 660, 10	😈
1.2.2.0/24	777, 3, 6, 660, 2	😈
1.2.3.0/24	777, 10, 11, 12, 662, 3	😈

9
(BGP Simple)

Local RIB		
1.2.0.0/16	9, 8, 4, 2, 777	😊
1.2.1.0/24	9, 661, 10	😈
1.2.2.0/24	9, 661, 2	😈
1.2.3.0/24	9, 661, 3	😈

😈662😈
(BGP Simple)

Local RIB		
1.2.0.0/16	662, 12, 11, 10, 777	😈
1.2.1.0/24	662, 10	😈
1.2.2.0/24	662, 2	😈
1.2.3.0/24	662, 3	😈

72
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	72, 9, 8, 4, 2, 777	😊
1.2.1.0/24	72, 9, 661, 10	●
1.2.2.0/24	72, 9, 661, 2	●
1.2.3.0/24	72, 9, 661, 3	●

😈661😈
(BGP Simple)

Local RIB		
1.2.0.0/16	661, 9, 8, 4, 2, 777	😈
1.2.1.0/24	661, 10	😈
1.2.2.0/24	661, 2	😈
1.2.3.0/24	661, 3	😈

(140 Guess)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.2.0/24

(For most specific prefix only)

😈 ATTACKER SUCCESS 😈	14
😊 VICTIM SUCCESS 😊	2
● DISCONNECTED ●	3

Avoid List

1.2.1.0/24	[10]
1.2.2.0/24	[2]
1.2.3.0/24	[3]

8
(BGP Simple)

Local RIB		
1.2.0.0/16	8, 4, 2, 777	😊
1.2.1.0/24	8, 9, 661, 10	😈
1.2.2.0/24	8, 9, 661, 2	😈
1.2.3.0/24	8, 9, 661, 3	😈

5
(BGP Simple)

Local RIB		
1.2.0.0/16	5, 4, 2, 777	😊

13
(BGP Simple)

Local RIB		
1.2.0.0/16	13, 11, 10, 777	😊
1.2.1.0/24	13, 11, 12, 662, 10	😈
1.2.2.0/24	13, 11, 12, 662, 2	😈
1.2.3.0/24	13, 11, 12, 662, 3	😈

4
(BGP Simple)

Local RIB		
1.2.0.0/16	4, 2, 777	😊
1.2.1.0/24	4, 8, 9, 661, 10	😈
1.2.2.0/24	4, 8, 9, 661, 2	😈
1.2.3.0/24	4, 8, 9, 661, 3	😈

6
(BGP Simple)

Local RIB		
1.2.0.0/16	6, 3, 777	😊
1.2.1.0/24	6, 660, 10	😈
1.2.2.0/24	6, 660, 2	😈
1.2.3.0/24	6, 660, 3	😈

71
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	71, 5, 4, 2, 777	😊
1.2.2.0/24	71, 5, 4, 2, 777	●

11
(BGP Simple)

Local RIB		
1.2.0.0/16	11, 10, 777	😊
1.2.1.0/24	11, 12, 662, 10	😈
1.2.2.0/24	11, 12, 662, 2	😈
1.2.3.0/24	11, 12, 662, 3	😈

73
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	73, 13, 11, 10, 777	😊
1.2.1.0/24	73, 13, 11, 12, 662, 10	●
1.2.2.0/24	73, 13, 11, 12, 662, 2	●
1.2.3.0/24	73, 13, 11, 12, 662, 3	●

2
(BGP Simple)

Local RIB		
1.2.0.0/16	2, 777	😊
1.2.1.0/24	2, 4, 8, 9, 661, 10	😈
1.2.3.0/24	2, 4, 8, 9, 661, 3	😈

3
(BGP Simple)

Local RIB		
1.2.0.0/16	3, 777	😊
1.2.1.0/24	3, 6, 660, 10	😈
1.2.2.0/24	3, 6, 660, 2	😈

70
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	70, 6, 3, 777	😊
1.2.1.0/24	70, 6, 660, 10	●
1.2.2.0/24	70, 6, 660, 2	●
1.2.3.0/24	70, 6, 660, 3	●

😈660😈
(BGP Simple)

Local RIB		
1.2.0.0/16	660, 6, 3, 777	😈
1.2.1.0/24	660, 10	😈
1.2.2.0/24	660, 2	😈
1.2.3.0/24	660, 3	😈

10
(BGP Simple)

Local RIB		
1.2.0.0/16	10, 777	😊
1.2.2.0/24	10, 11, 12, 662, 2	😈
1.2.3.0/24	10, 11, 12, 662, 3	😈

12
(BGP Simple)

Local RIB		
1.2.0.0/16	12, 11, 10, 777	😊
1.2.1.0/24	12, 662, 10	😈
1.2.2.0/24	12, 662, 2	😈
1.2.3.0/24	12, 662, 3	😈

😊777😊
(BGP Simple)

Local RIB		
1.2.0.0/16	777	😊
1.2.1.0/24	777, 3, 6, 660, 10	😈
1.2.2.0/24	777, 3, 6, 660, 2	😈
1.2.3.0/24	777, 10, 11, 12, 662, 3	😈

9
(BGP Simple)

Local RIB		
1.2.0.0/16	9, 8, 4, 2, 777	😊
1.2.1.0/24	9, 661, 10	😈
1.2.2.0/24	9, 661, 2	😈
1.2.3.0/24	9, 661, 3	😈

😈662😈
(BGP Simple)

Local RIB		
1.2.0.0/16	662, 12, 11, 10, 777	😈
1.2.1.0/24	662, 10	😈
1.2.2.0/24	662, 2	😈
1.2.3.0/24	662, 3	😈

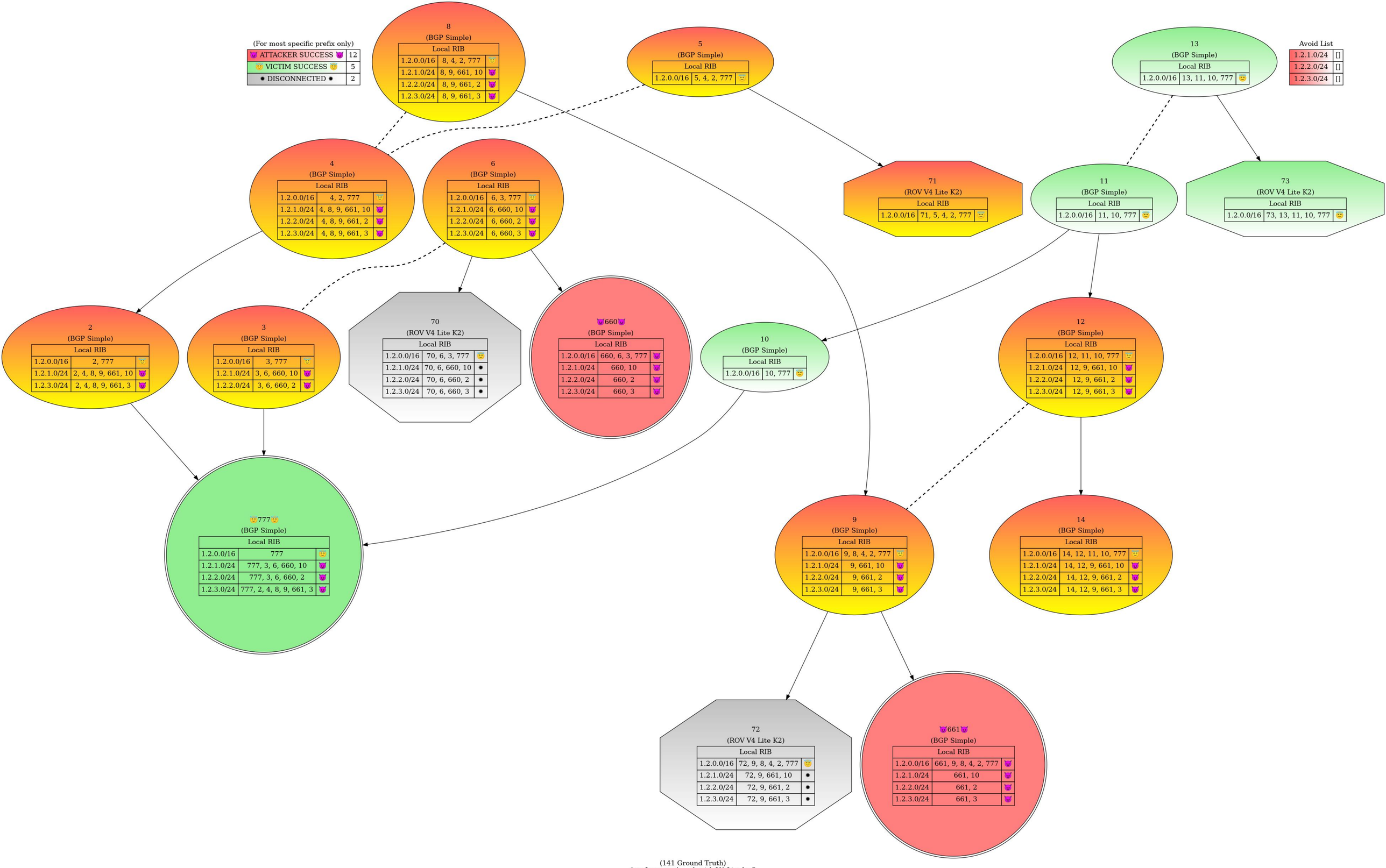
72
(ROV V4 Lite K2)

Local RIB		
1.2.0.0/16	72, 9, 8, 4, 2, 777	😊
1.2.1.0/24	72, 9, 661, 10	●
1.2.2.0/24	72, 9, 661, 2	●
1.2.3.0/24	72, 9, 661, 3	●

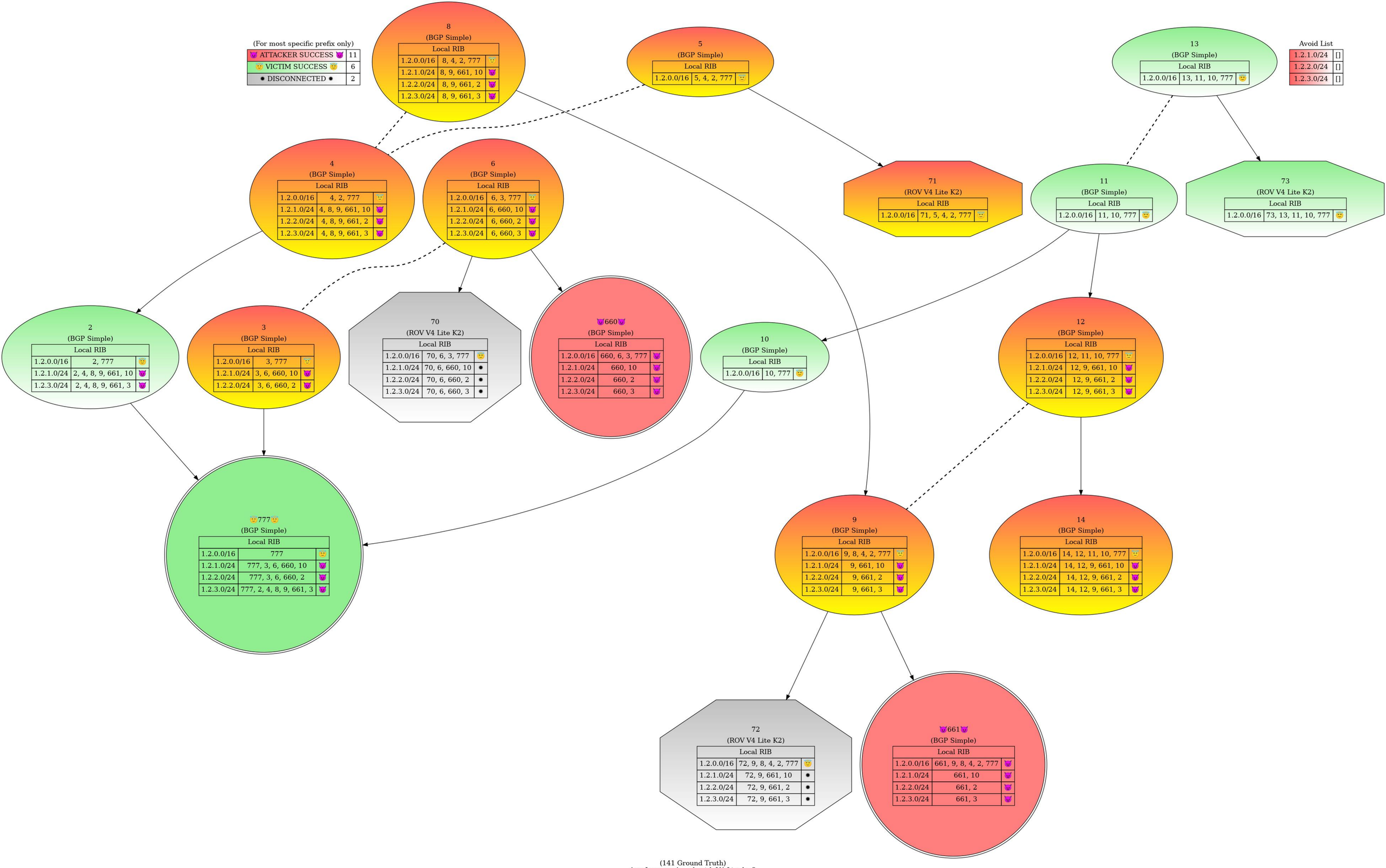
😈661😈
(BGP Simple)

Local RIB		
1.2.0.0/16	661, 9, 8, 4, 2, 777	😈
1.2.1.0/24	661, 10	😈
1.2.2.0/24	661, 2	😈
1.2.3.0/24	661, 3	😈

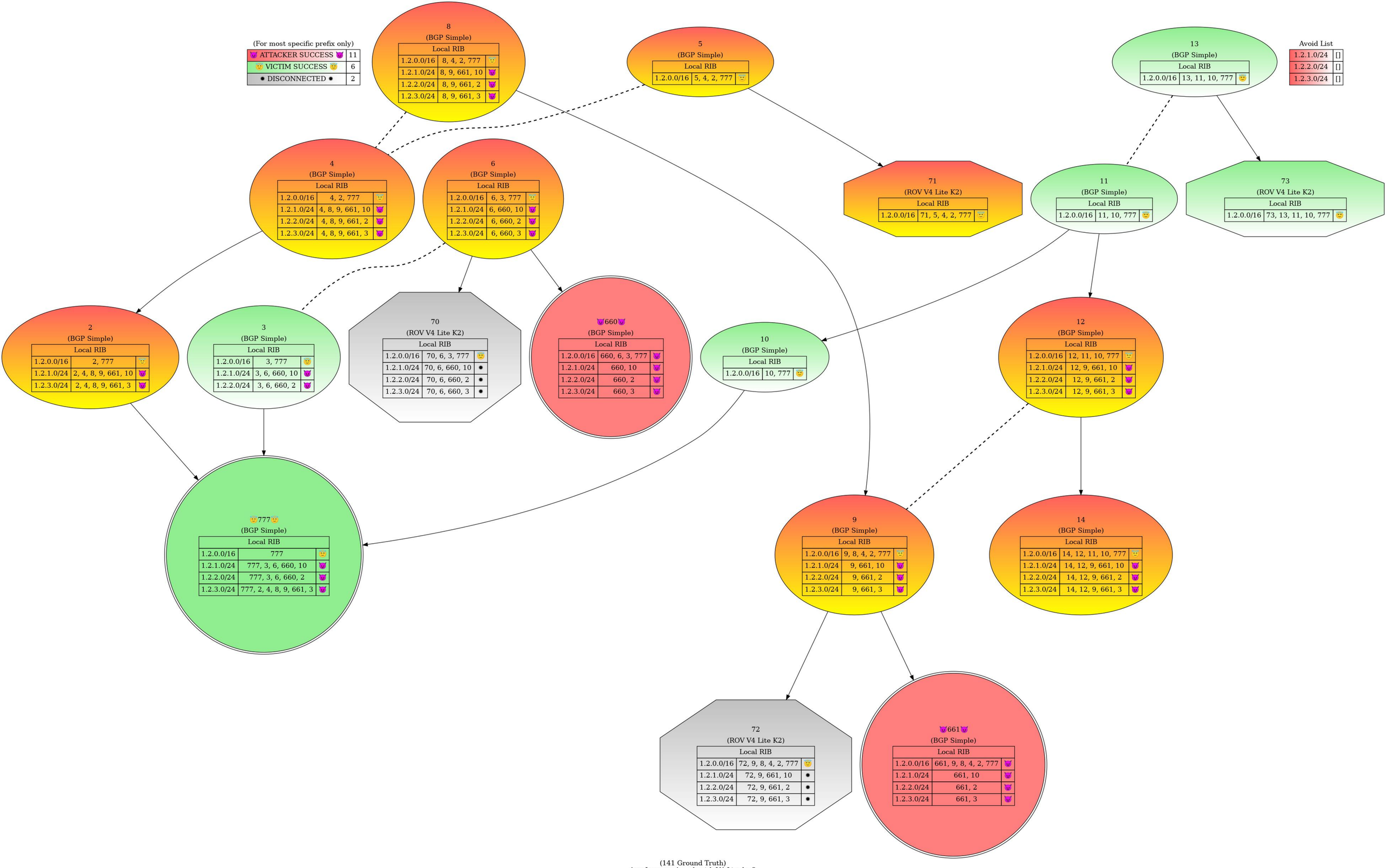
(140 Guess)
Subprefix Hijack with V4 Lite k=2
Traceback for 1.2.3.0/24



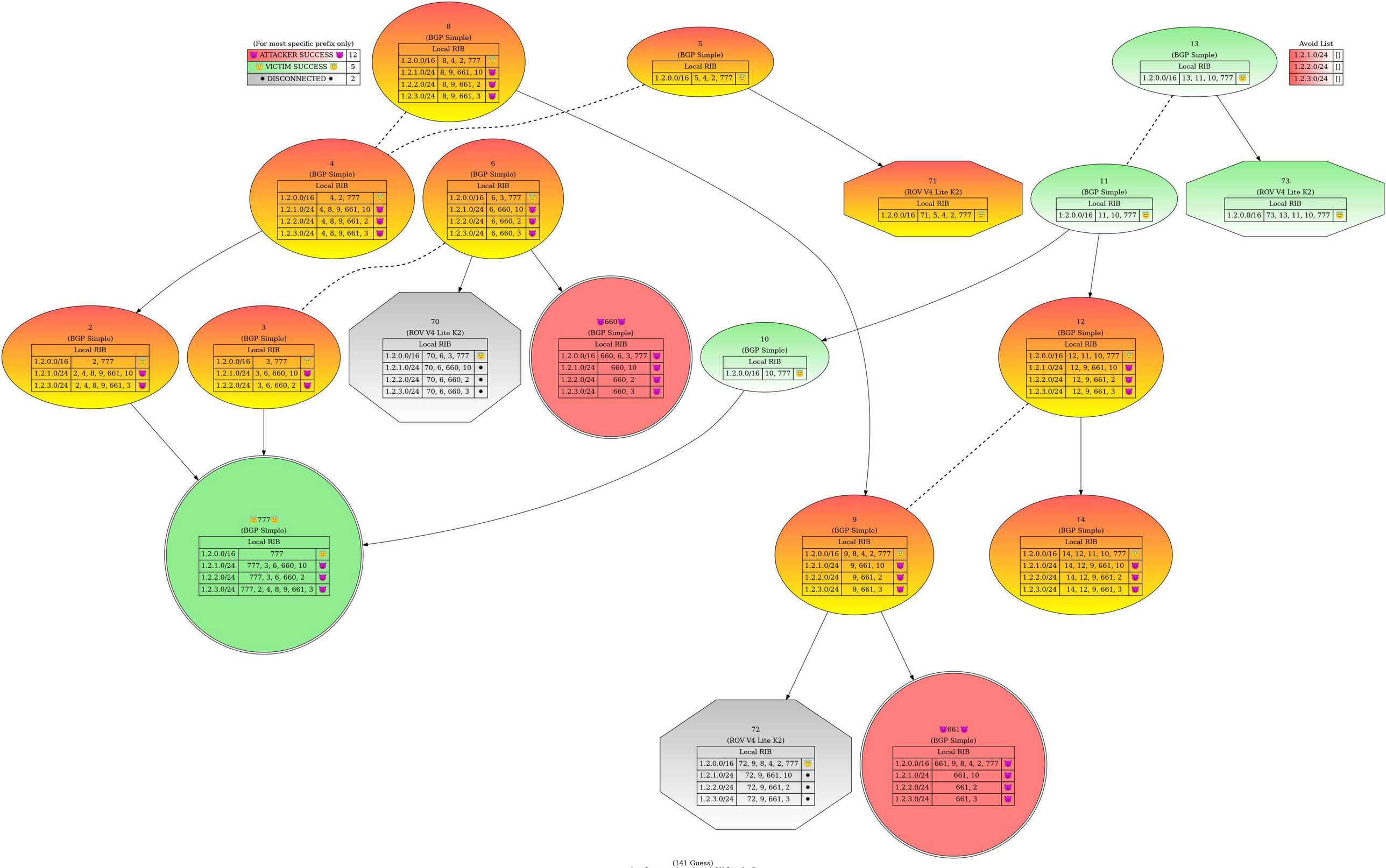
(141 Ground Truth)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.1.0/24



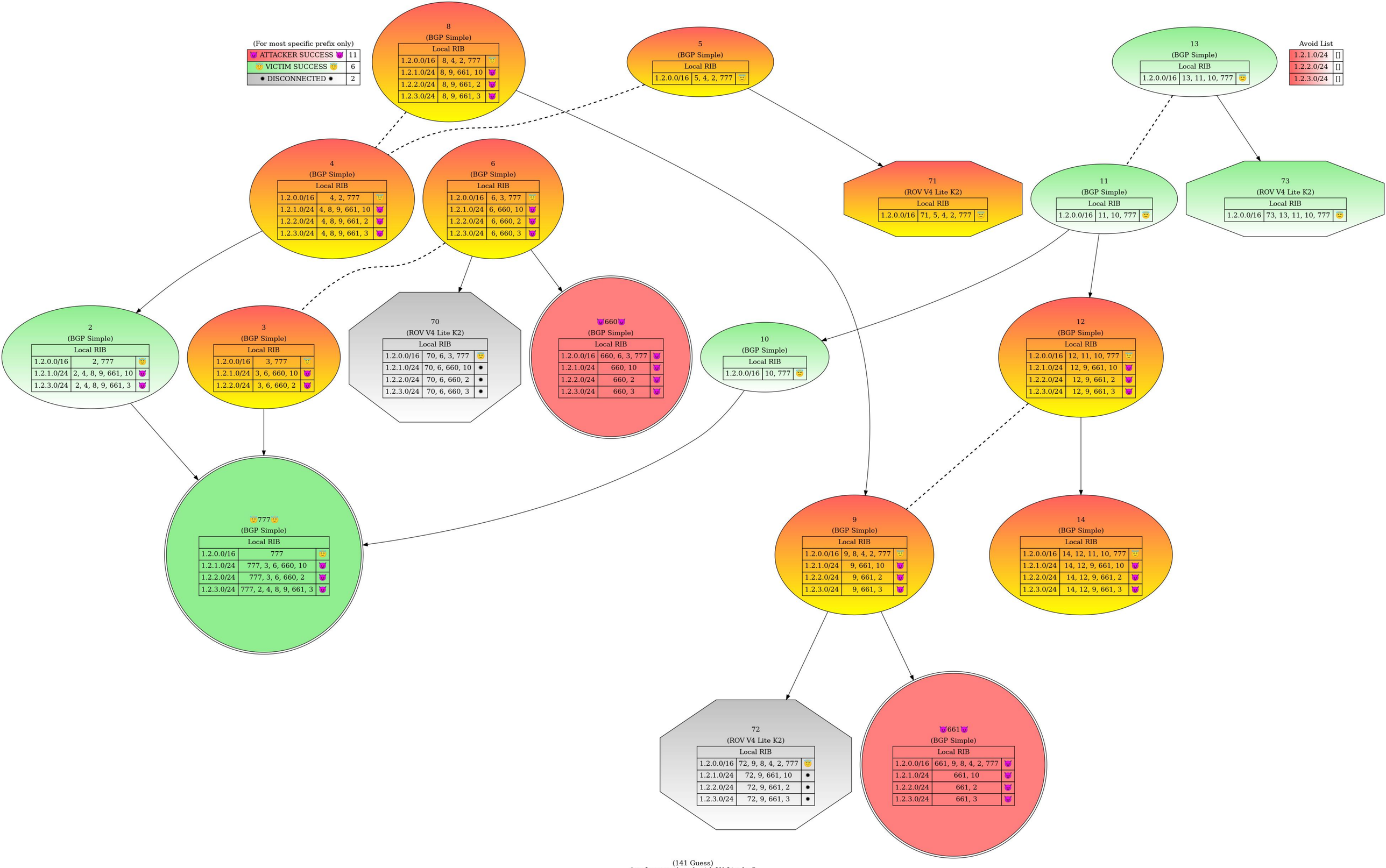
(141 Ground Truth)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.2.0/24



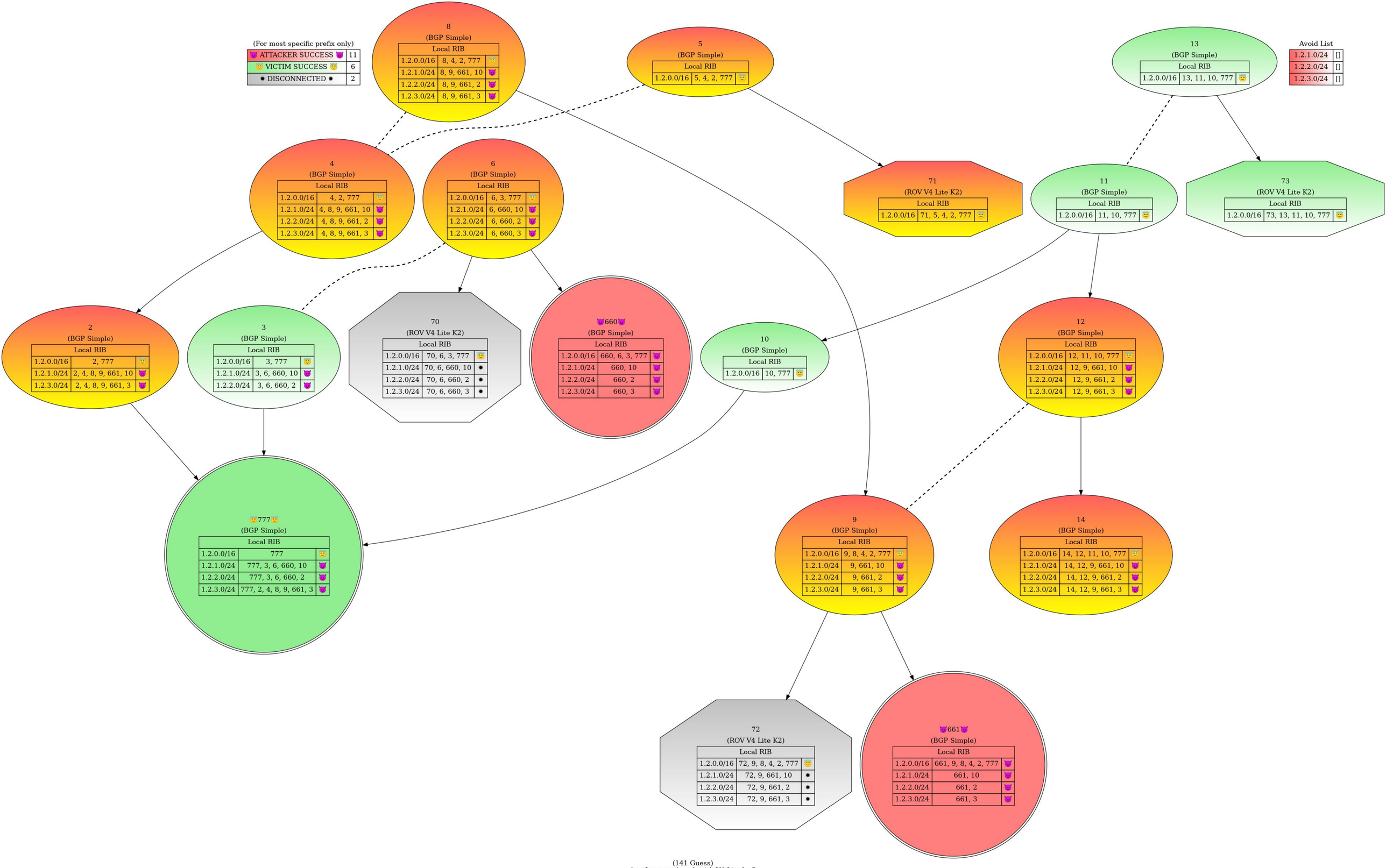
(141 Ground Truth)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.3.0/24



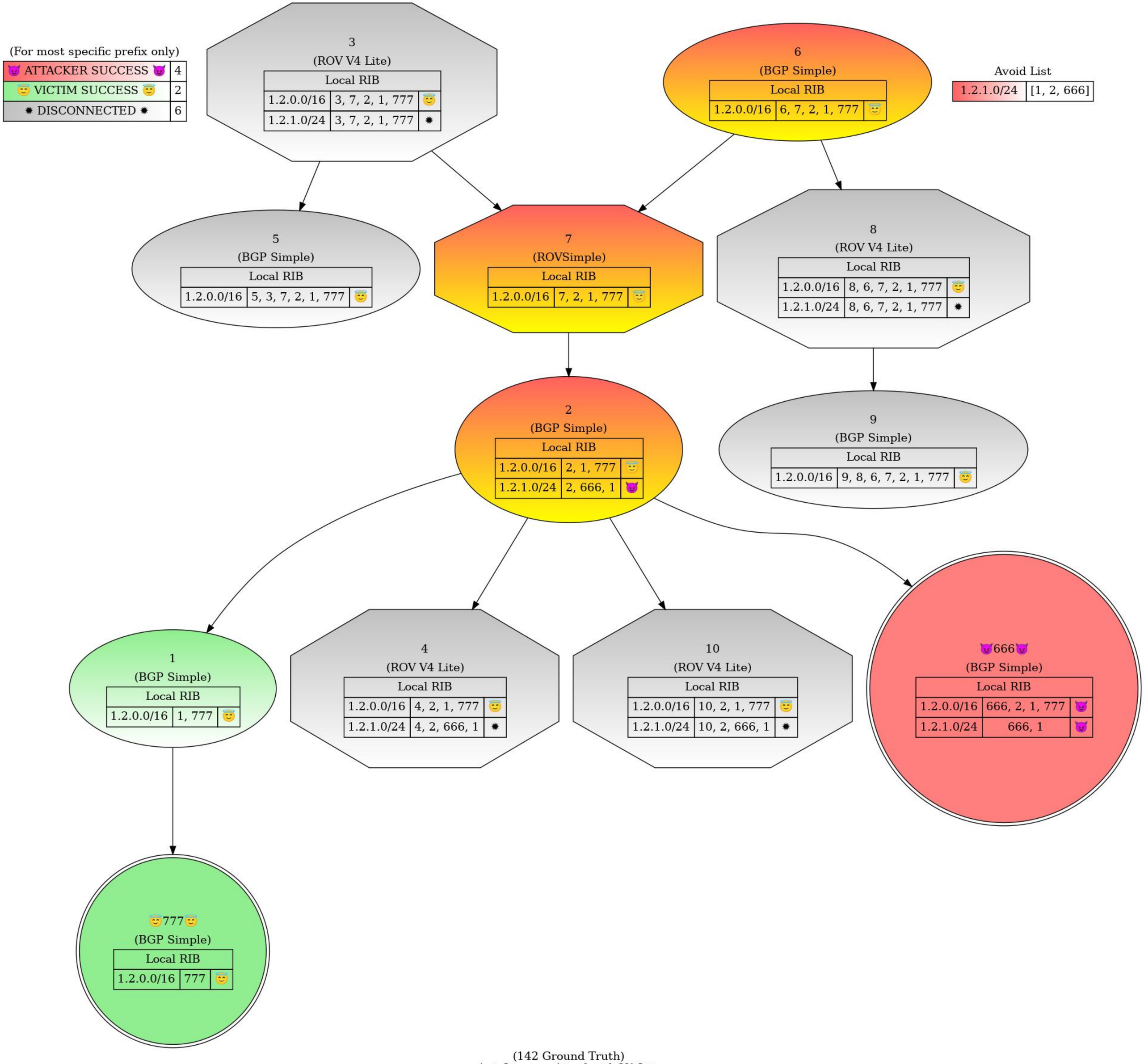
(141 Guess)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.1.0/24



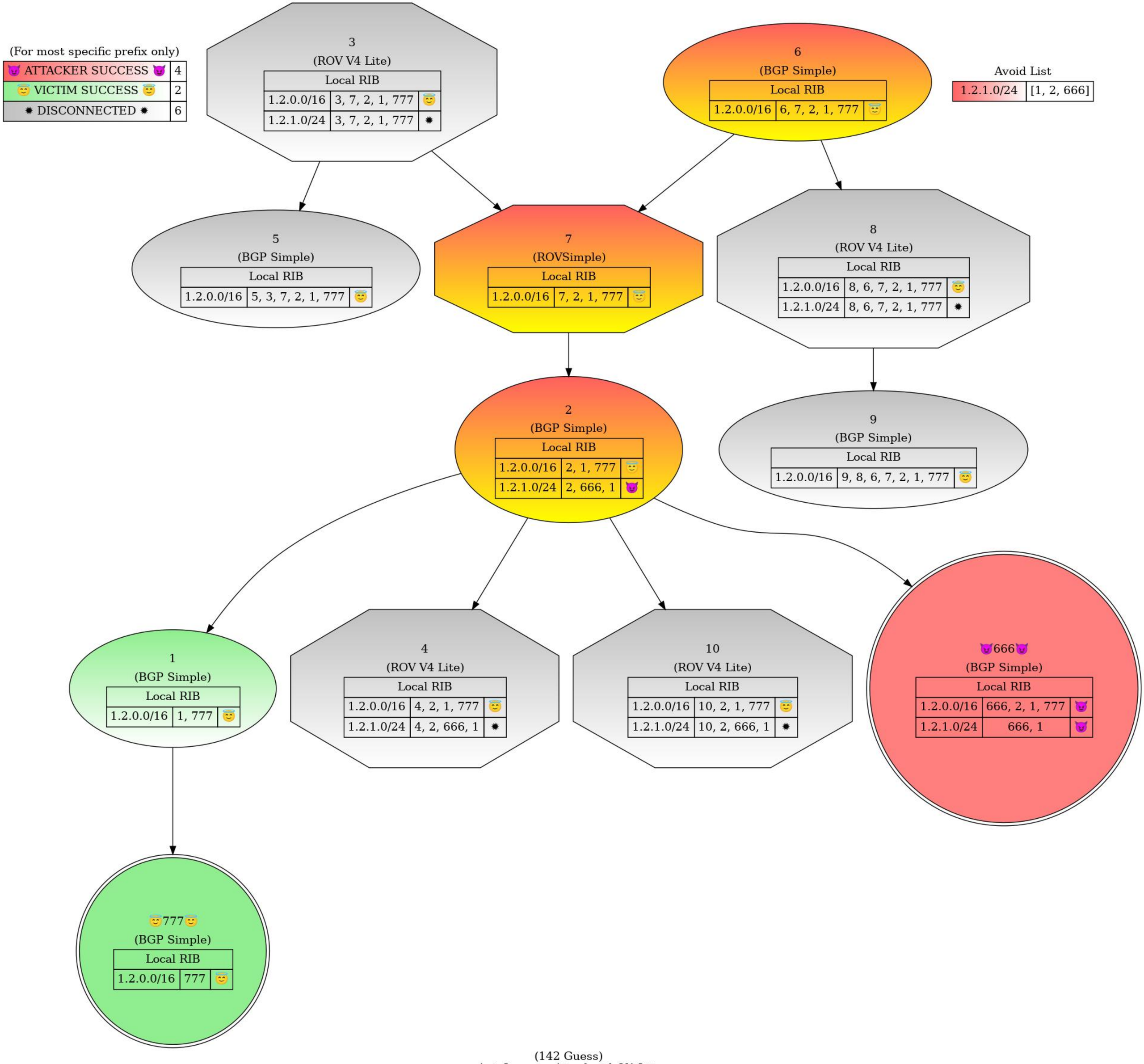
(141 Guess)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.2.0/24



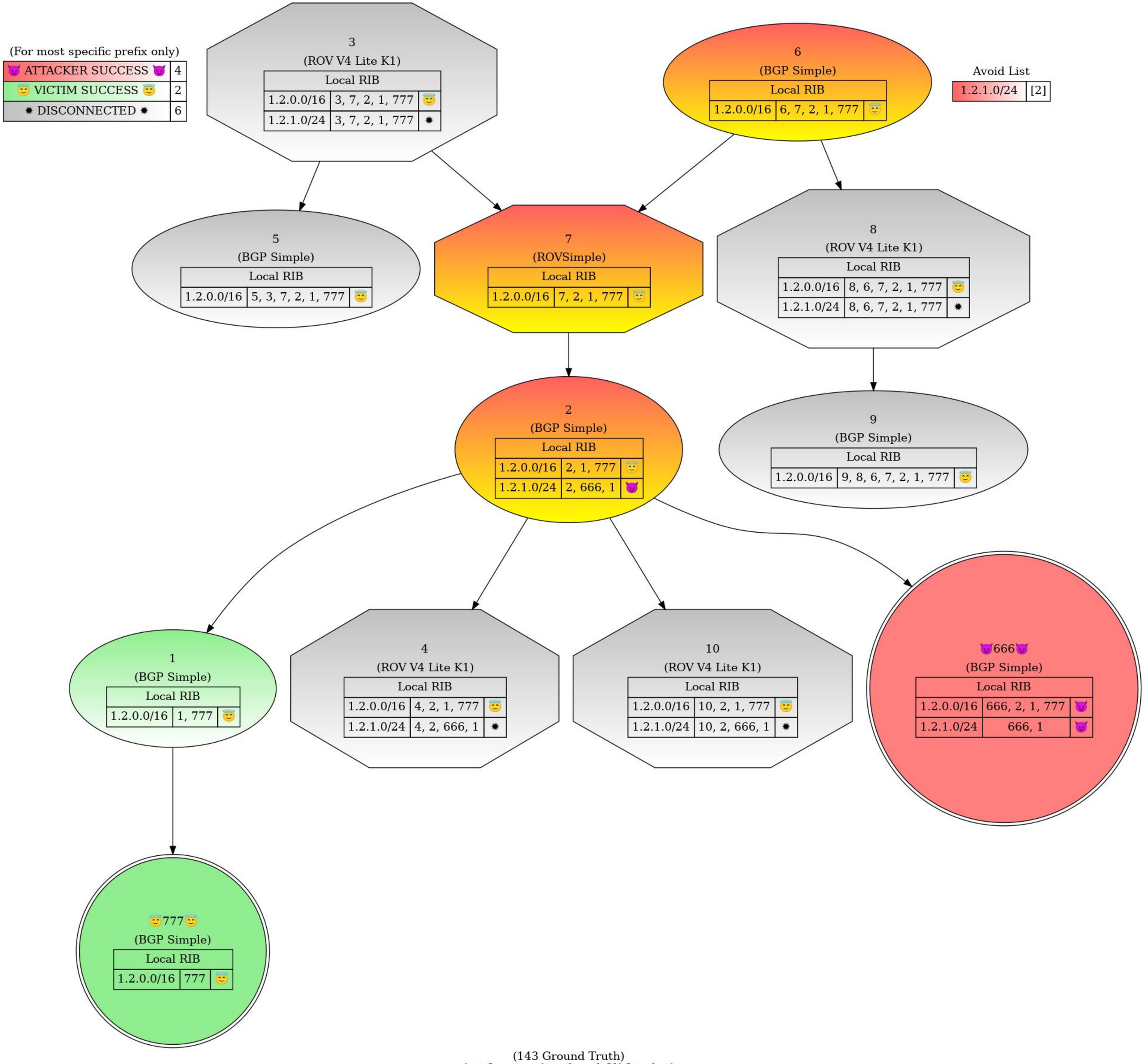
(141 Guess)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.3.0/24



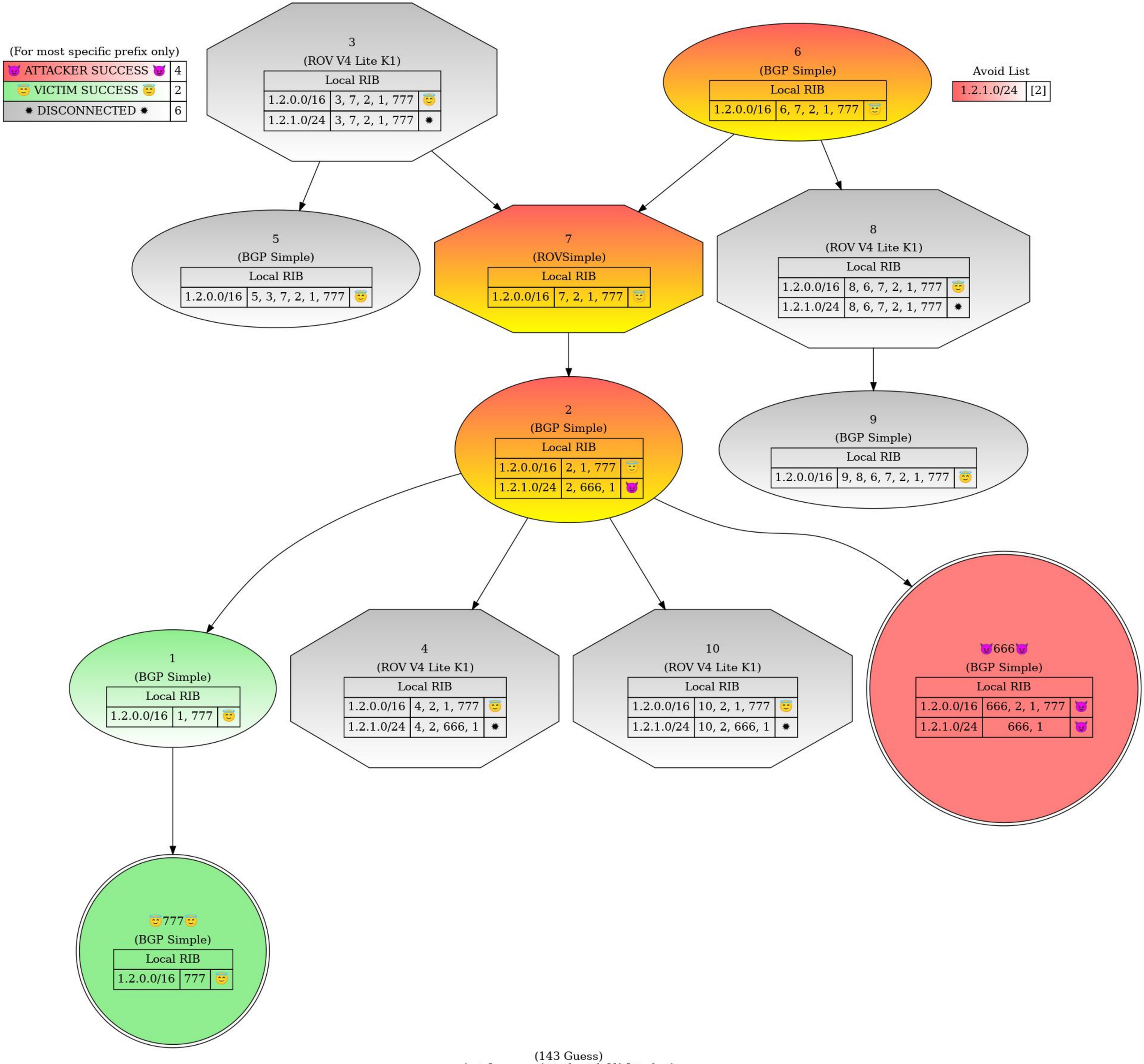
(142 Ground Truth)
AutoImmune Attackwith V4 Lite
Traceback for 1.2.1.0/24



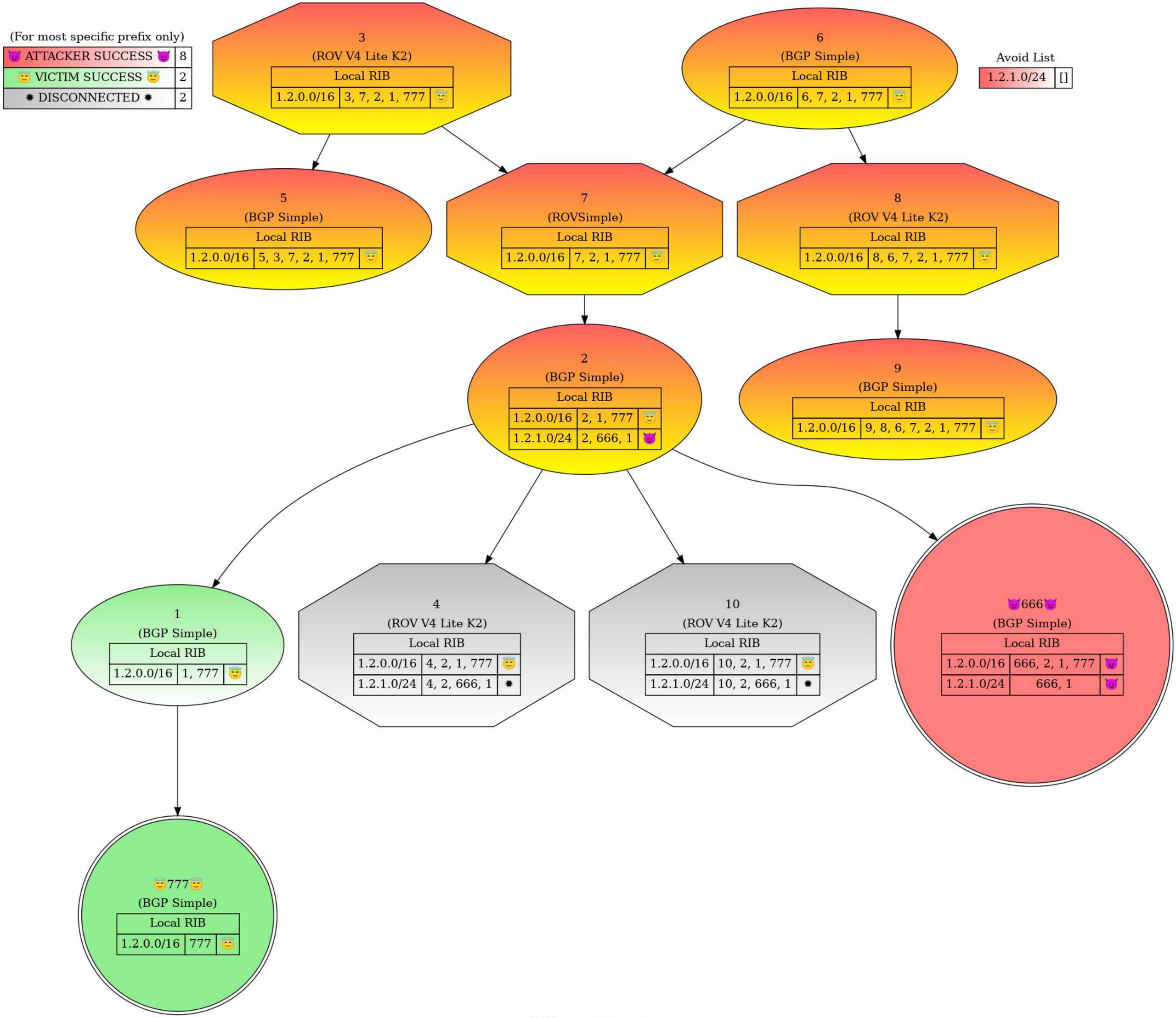
(142 Guess)
AutoImmune Attackwith V4 Lite
Traceback for 1.2.1.0/24



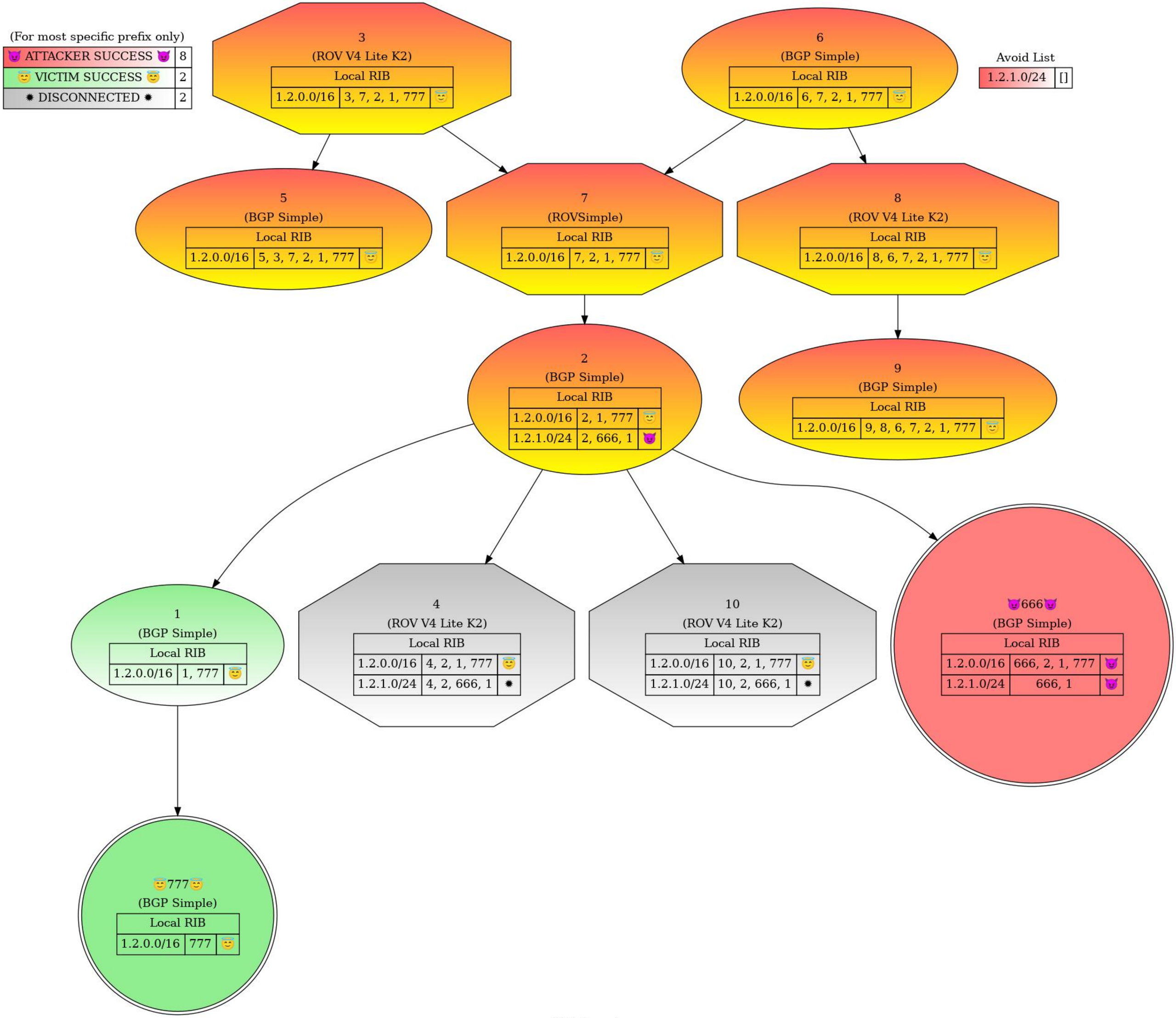
(143 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



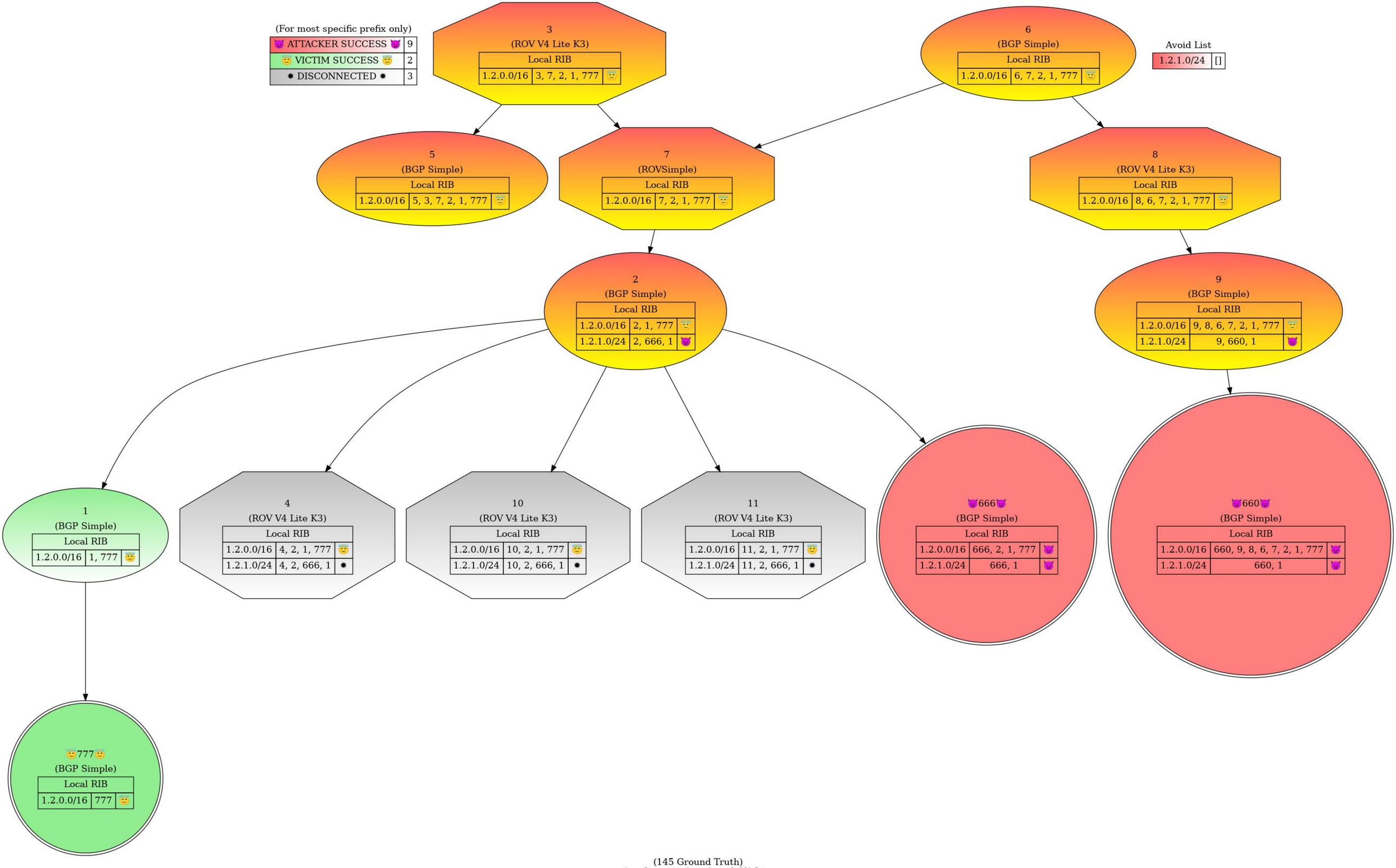
(143 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



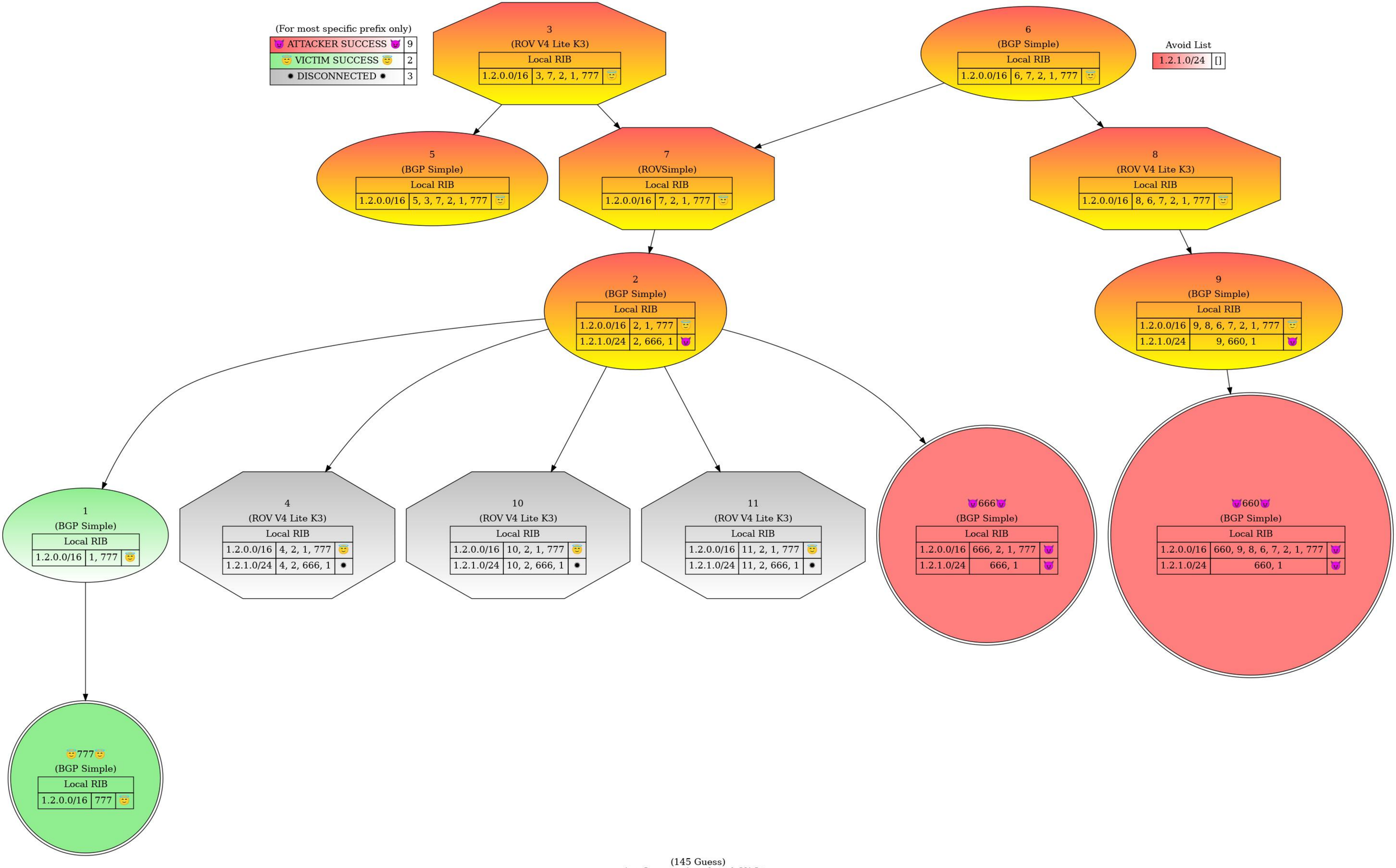
(144 Ground Truth)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.1.0/24



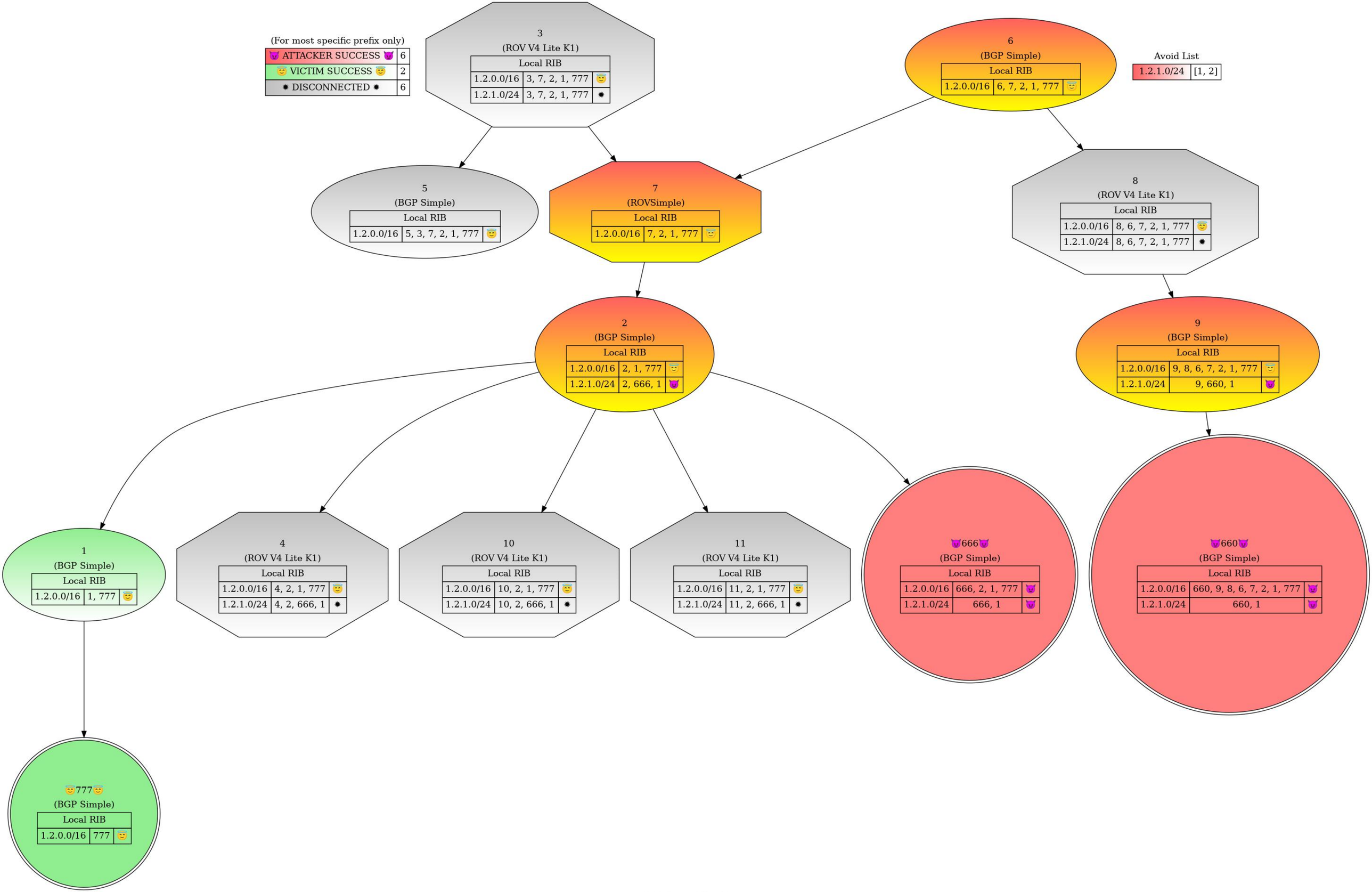
(144 Guess)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.1.0/24



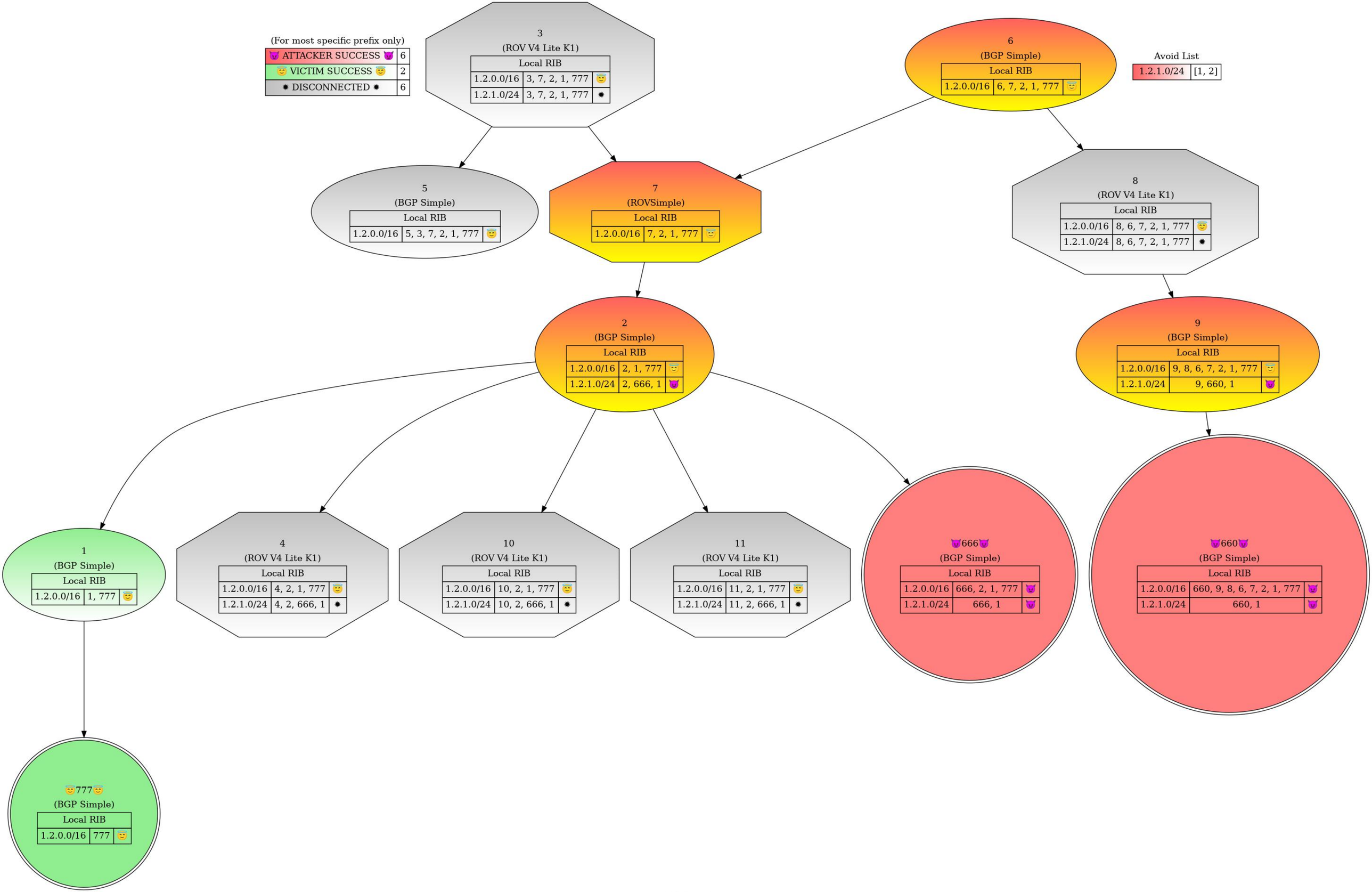
(145 Ground Truth)
AutoImmune Attack with V4 Lite
Traceback for 1.2.1.0/24



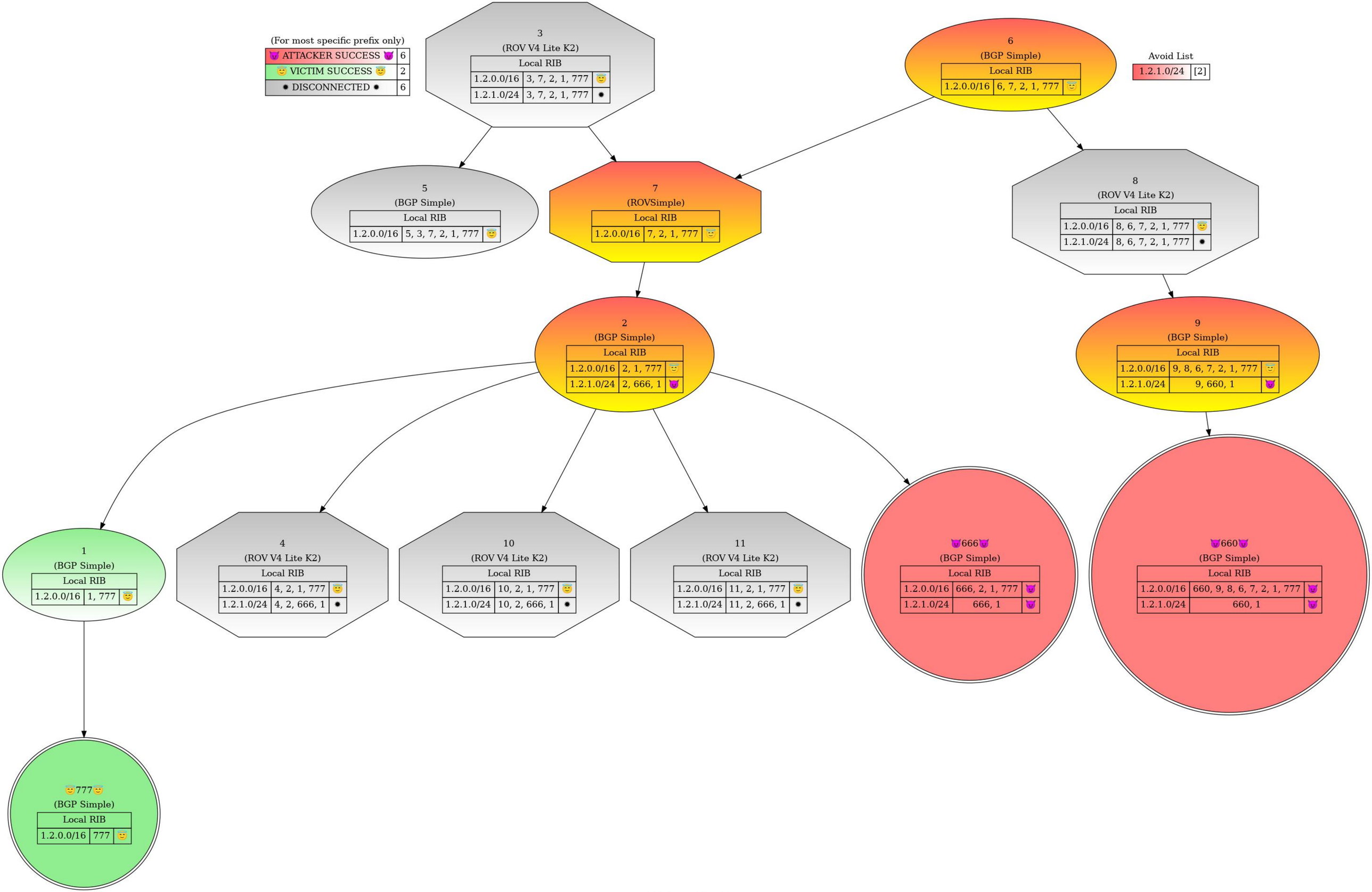
(145 Guess)
AutoImmune Attack with V4 Lite
Traceback for 1.2.1.0/24



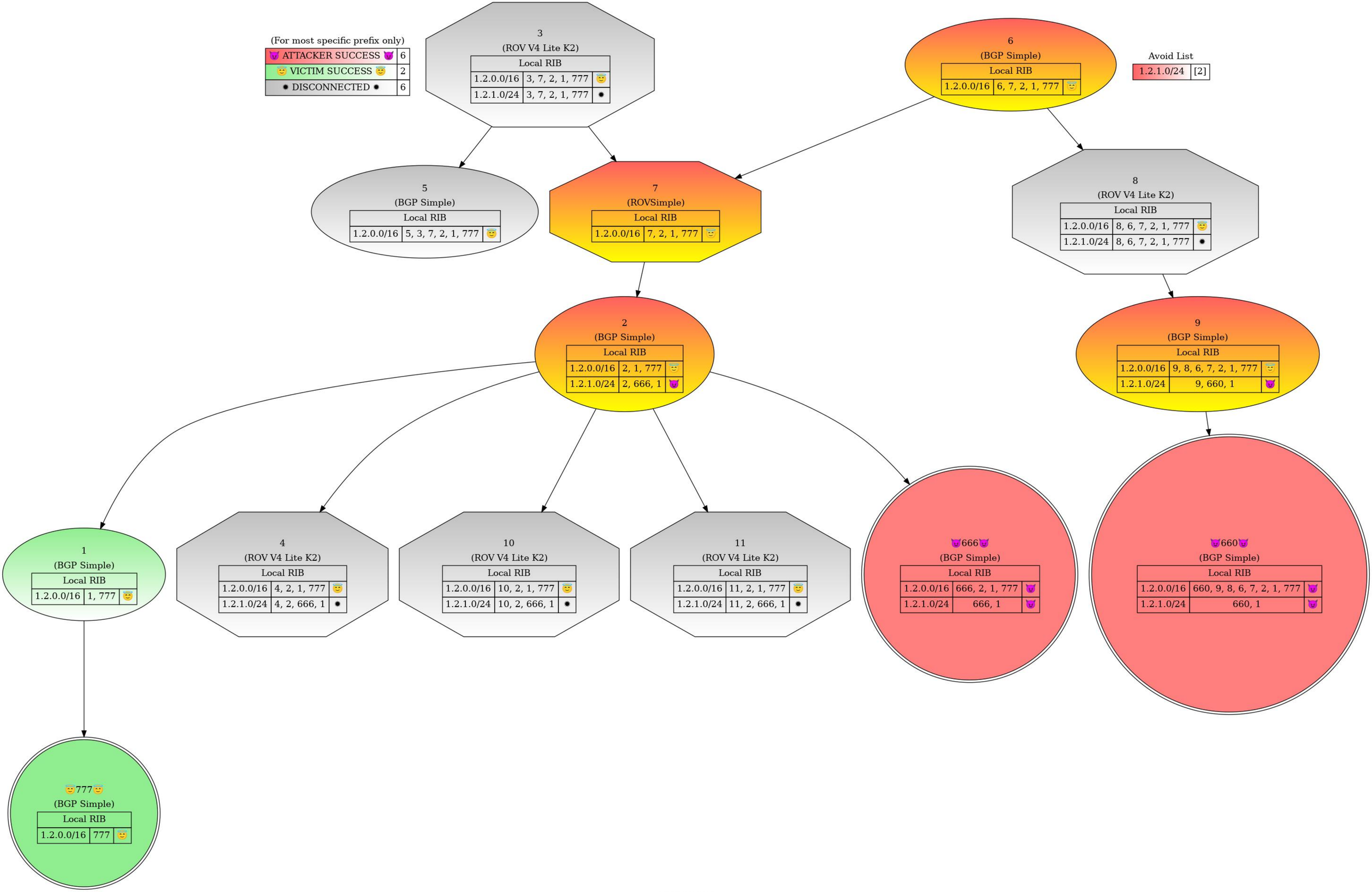
(146 Ground Truth)
AutoImmune Attack with V4 Lite K=1
Traceback for 1.2.1.0/24



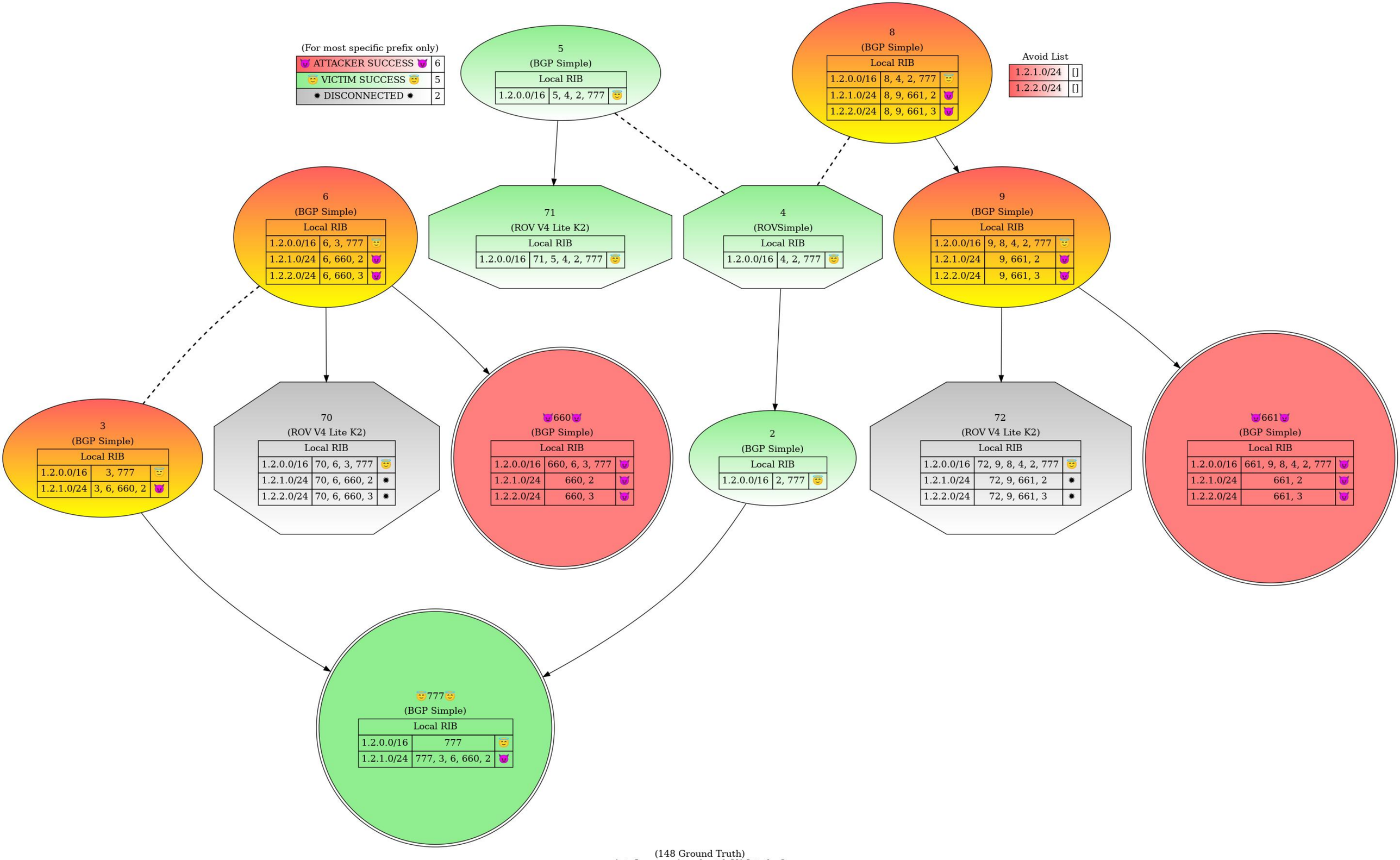
(146 Guess)
AutoImmune Attack with V4 Lite K=1
Traceback for 1.2.1.0/24



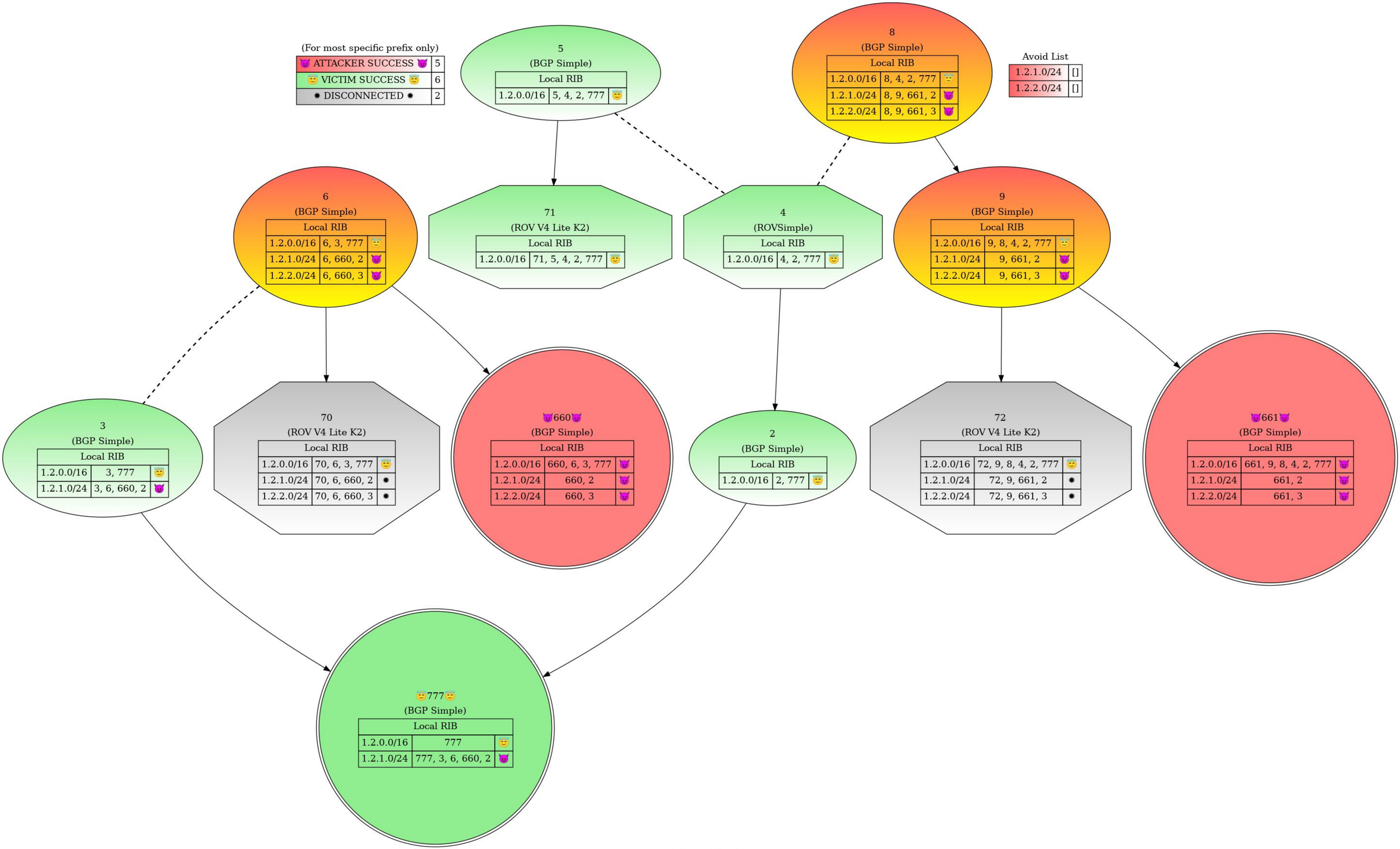
(147 Ground Truth)
AutoImmune Attack with V4 Lite K=2
Traceback for 1.2.1.0/24



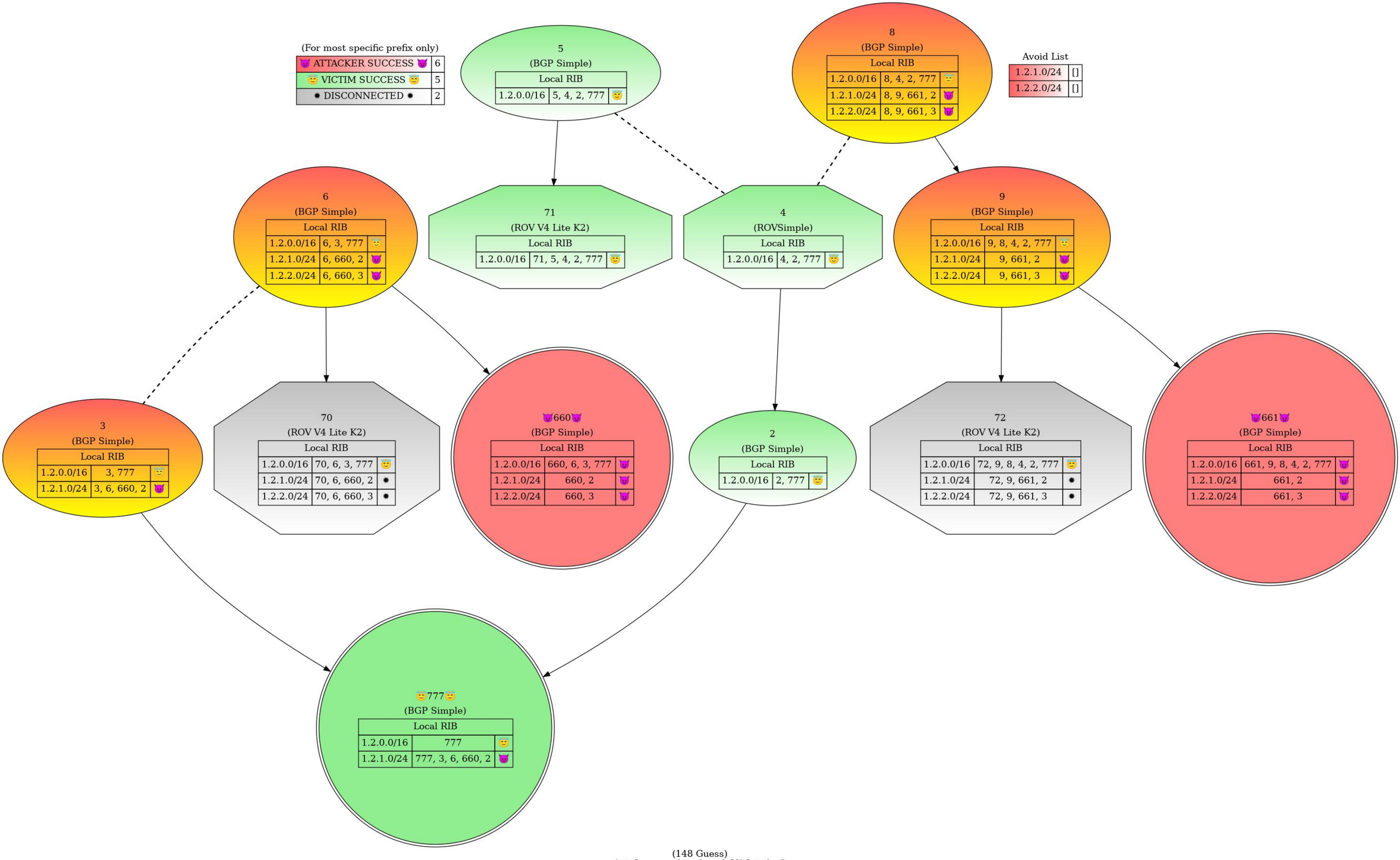
(147 Guess)
AutoImmune Attack with V4 Lite K=2
Traceback for 1.2.1.0/24



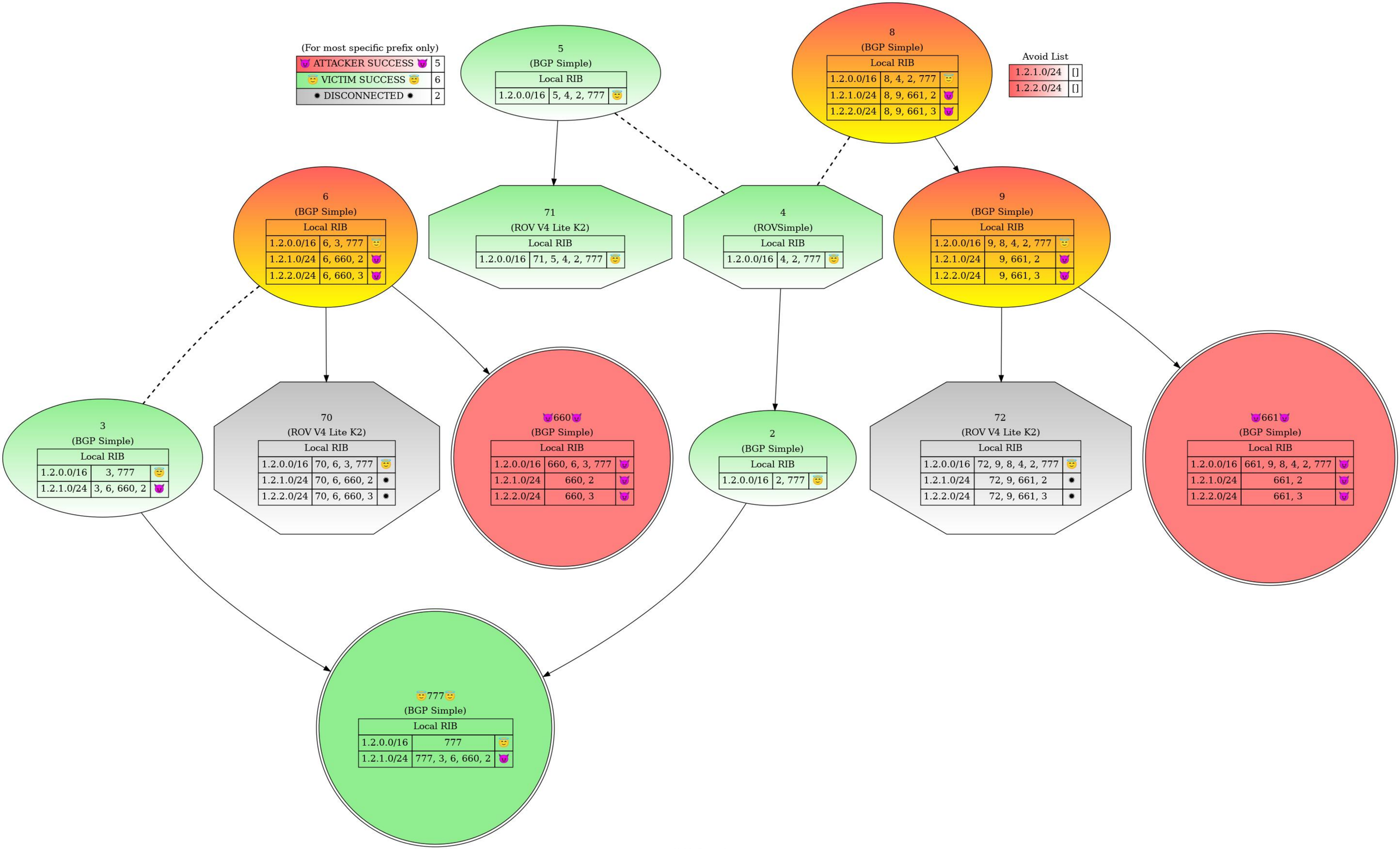
(148 Ground Truth)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.1.0/24



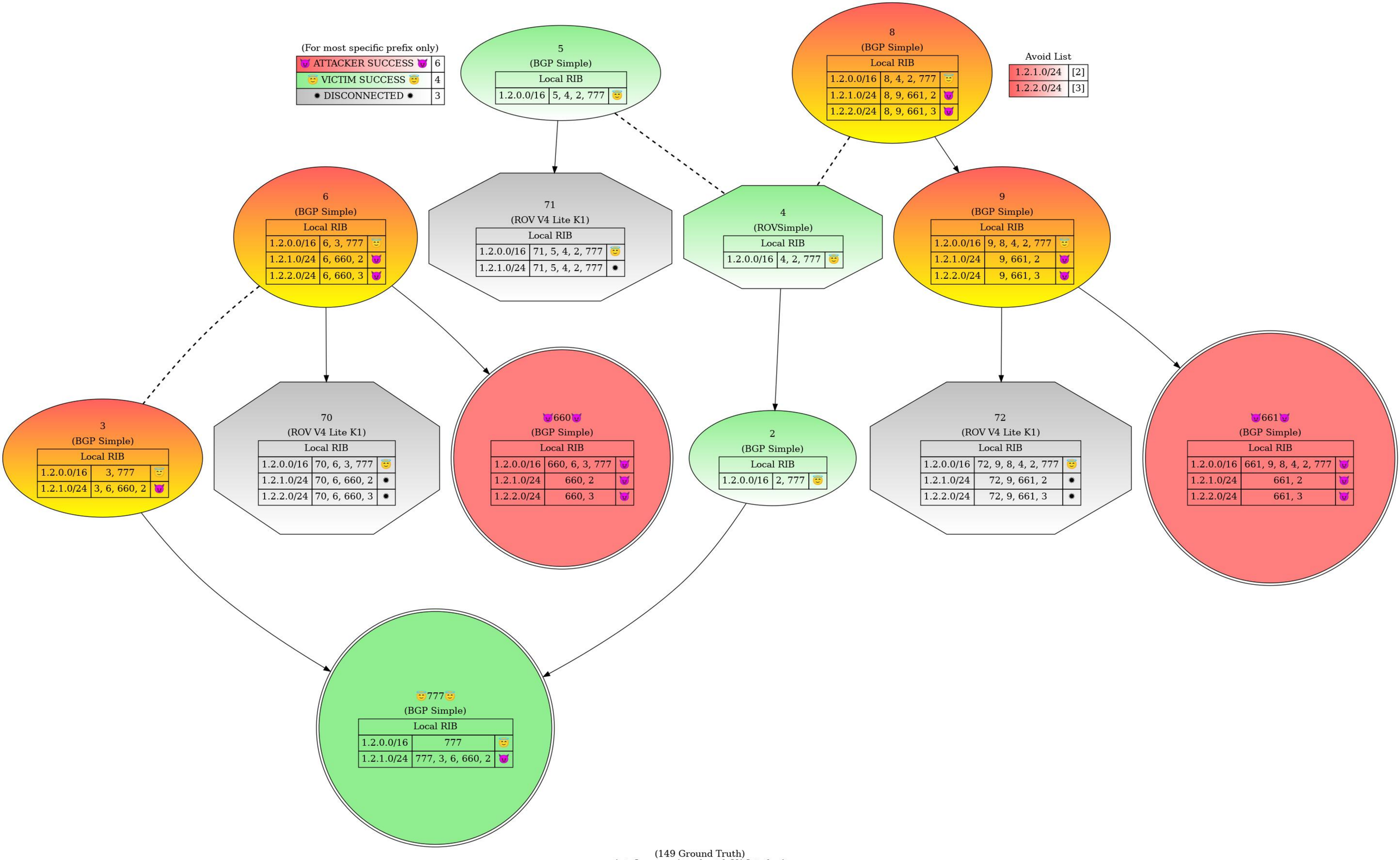
(148 Ground Truth)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.2.0/24



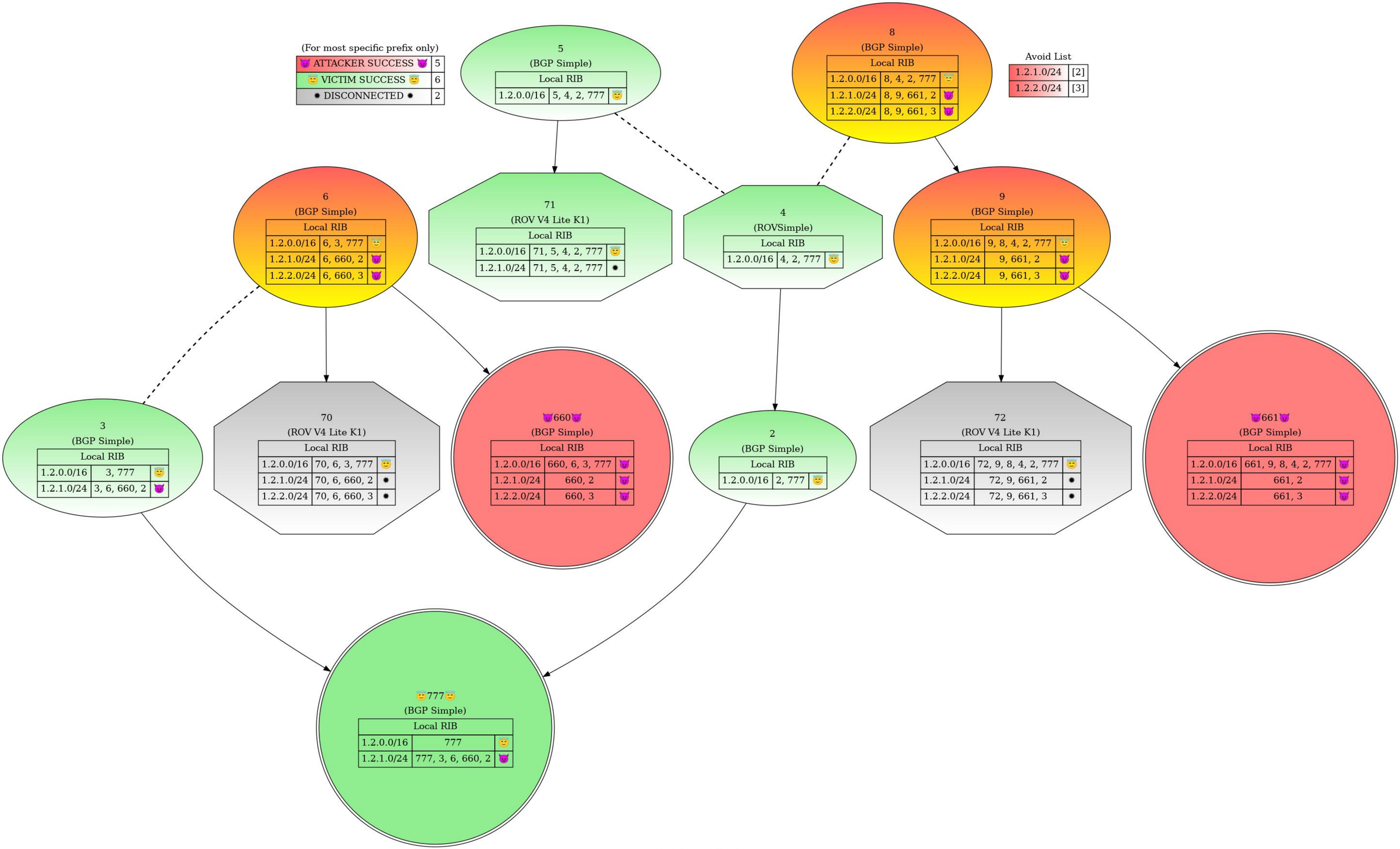
(148 Guess)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.1.0/24



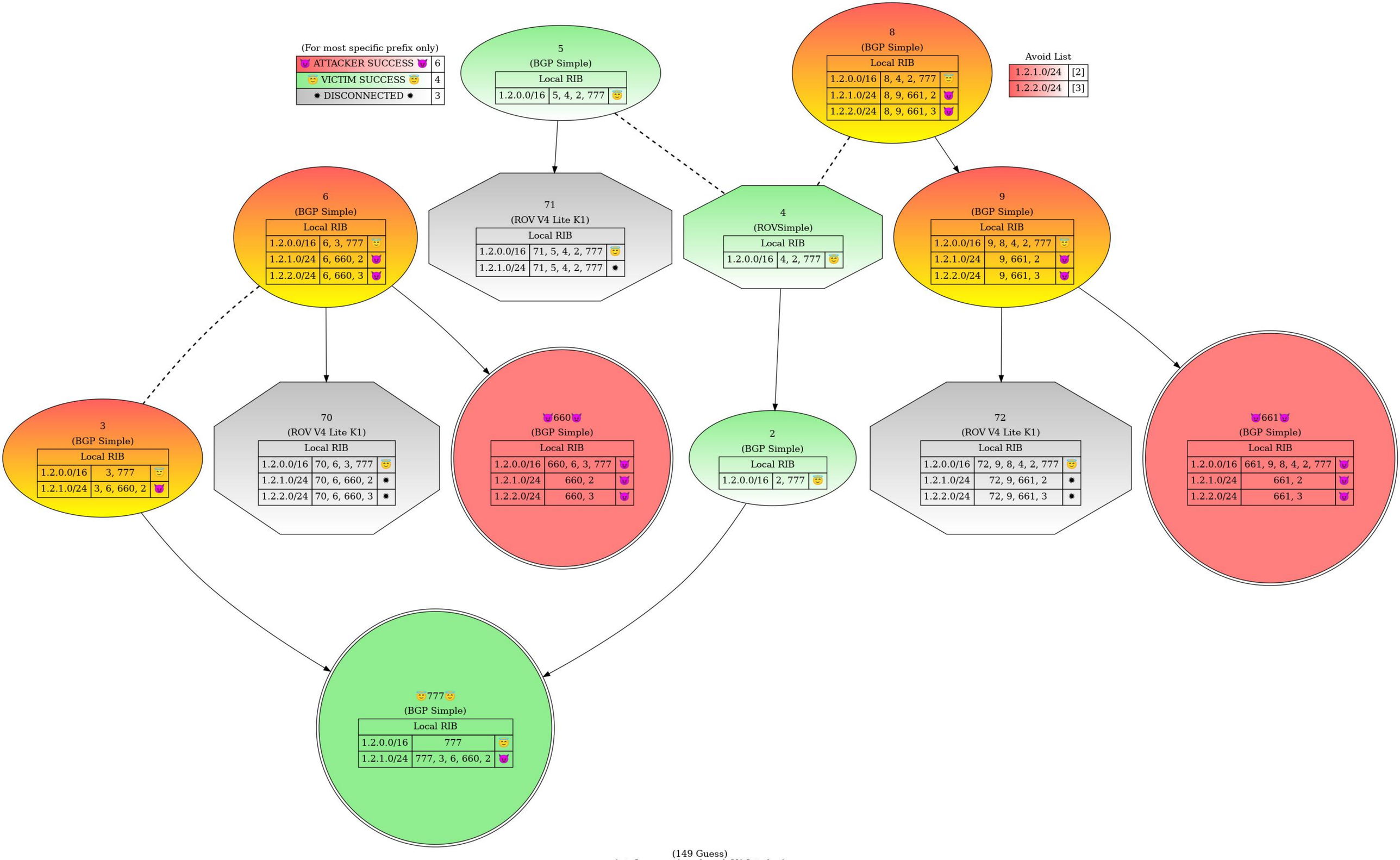
(148 Guess)
AutoImmune Attack with V4 Lite k=2
Traceback for 1.2.2.0/24



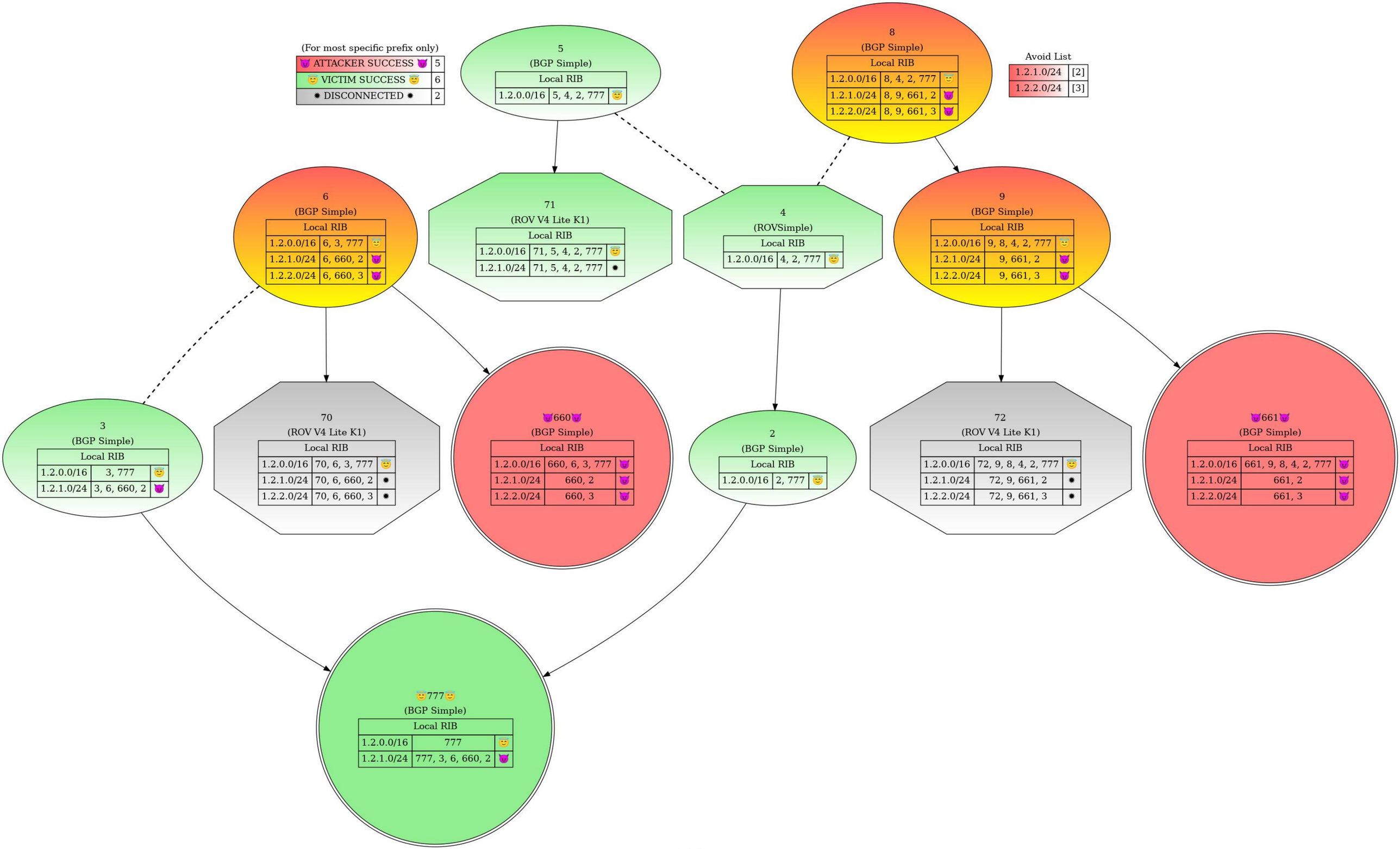
(149 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



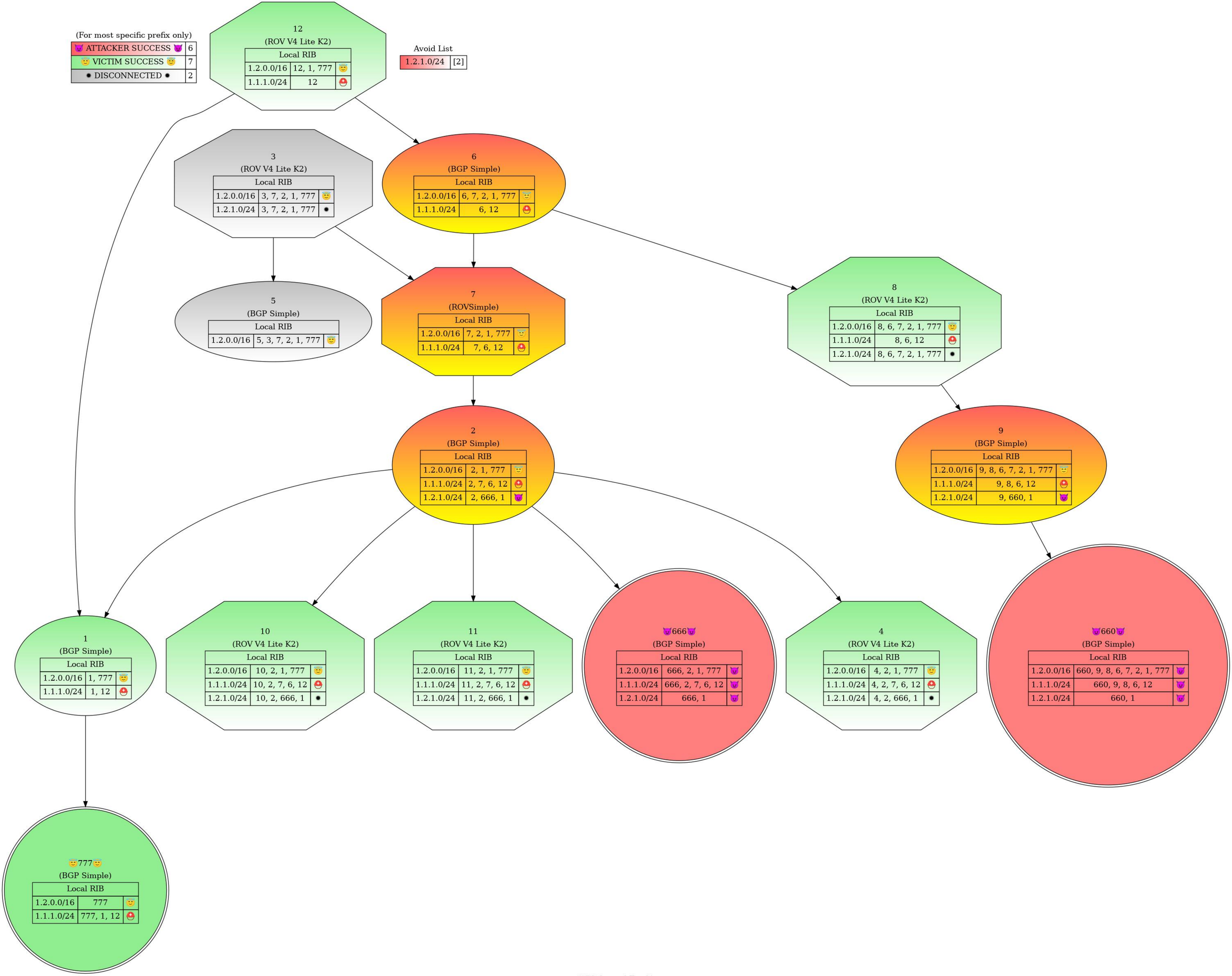
(149 Ground Truth)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



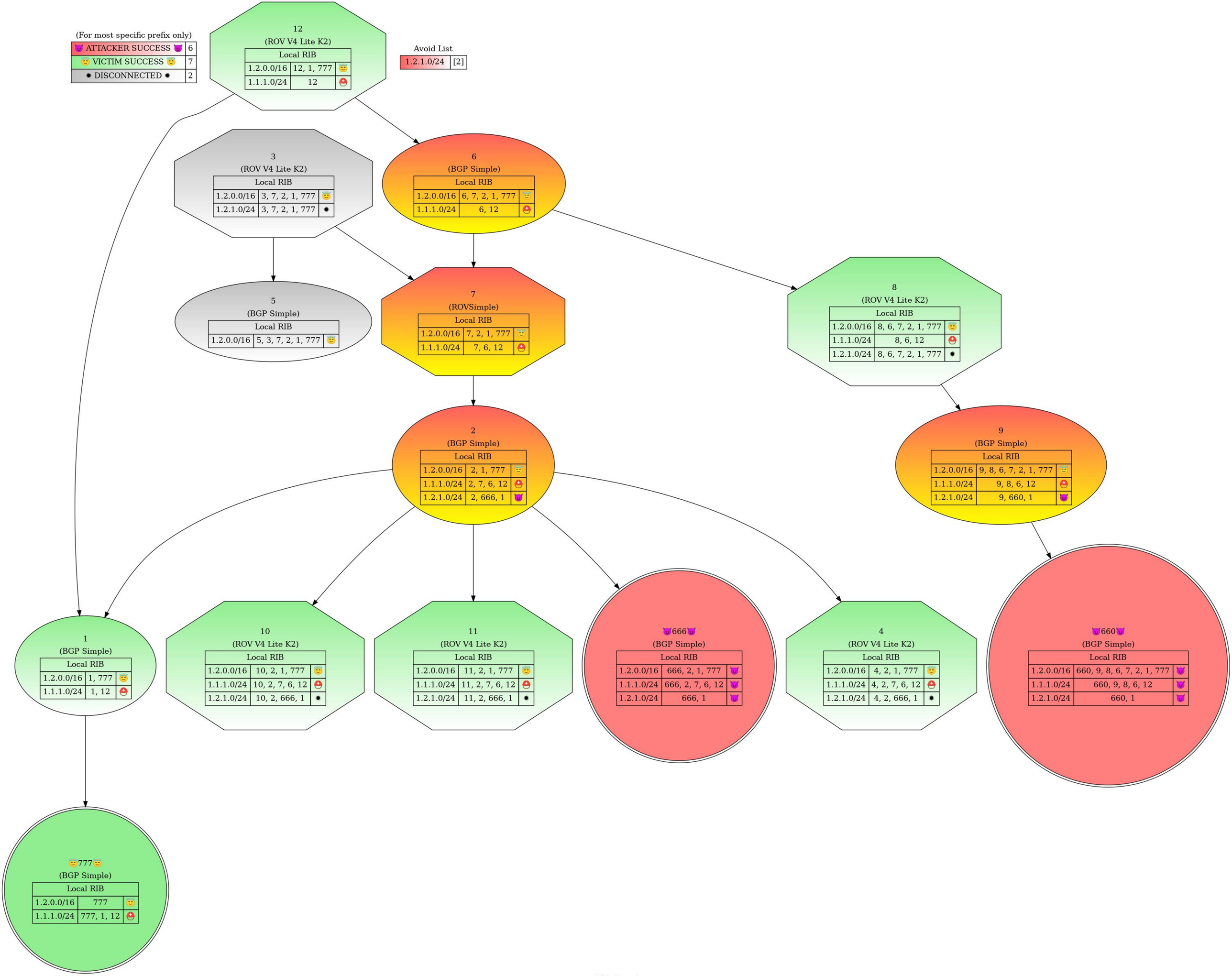
(149 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.1.0/24



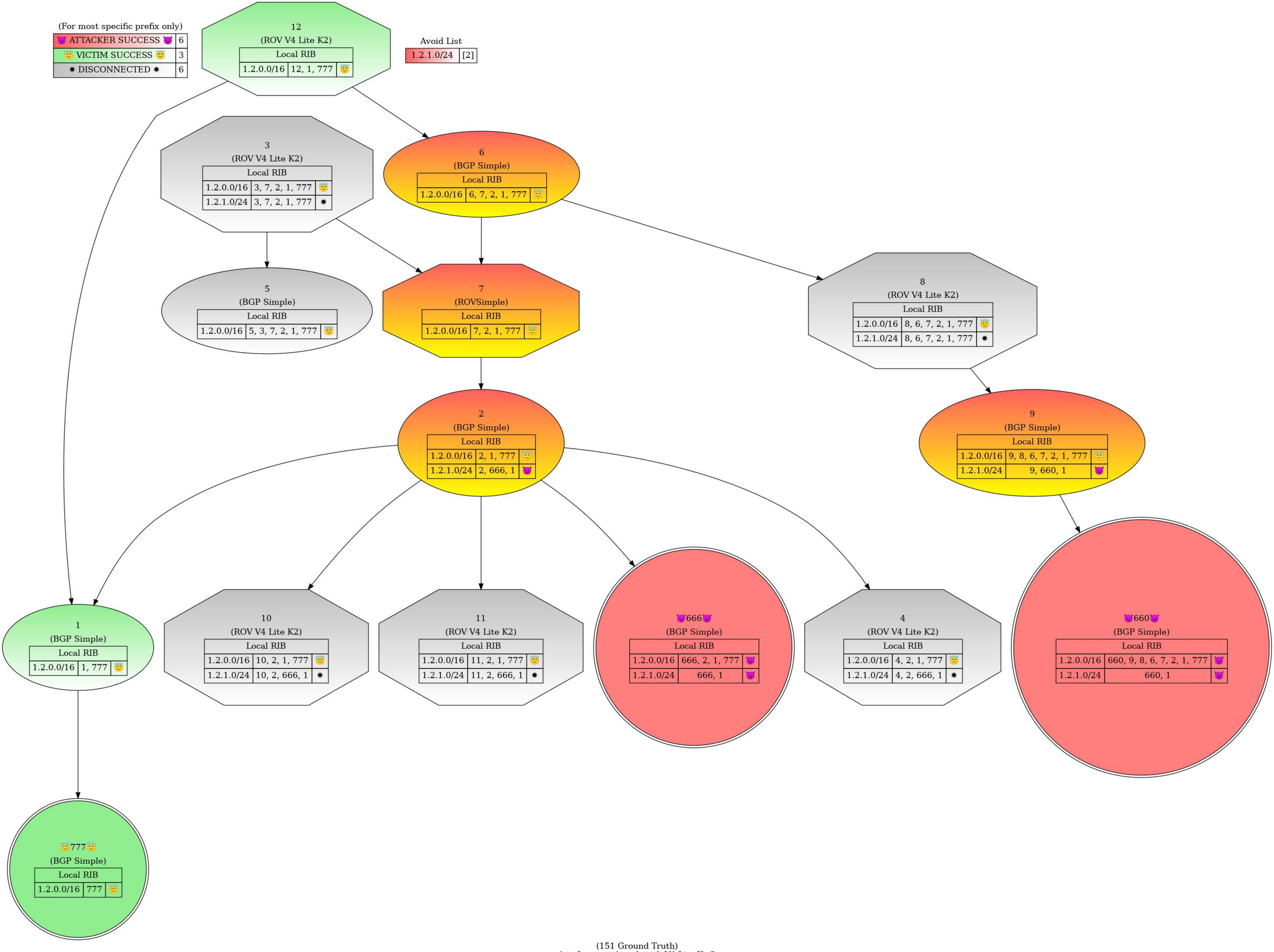
(149 Guess)
AutoImmune Attack with V4 Lite k=1
Traceback for 1.2.2.0/24



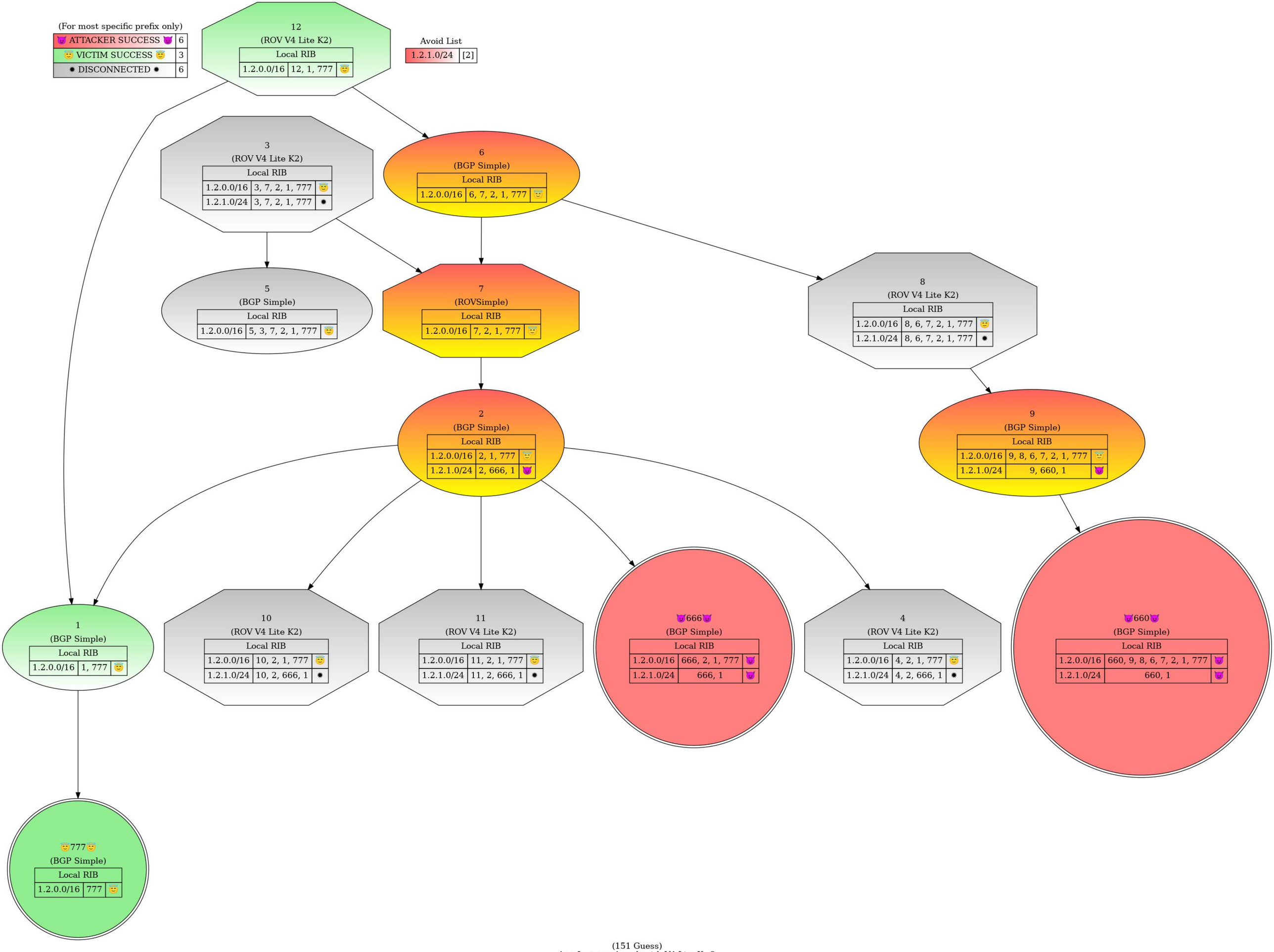
(150 Ground Truth)
AutoImmune Attack with V4 Lite K=2
Traceback for 1.2.1.0/24



(150 Guess)
AutoImmune Attack with V4 Lite K=2
Traceback for 1.2.1.0/24



(151 Ground Truth)
AutoImmune Attack with V4 Lite K=2
Traceback for 1.2.1.0/24



(151 Guess)
AutoImmune Attack with V4 Lite K=2
Traceback for 1.2.1.0/24