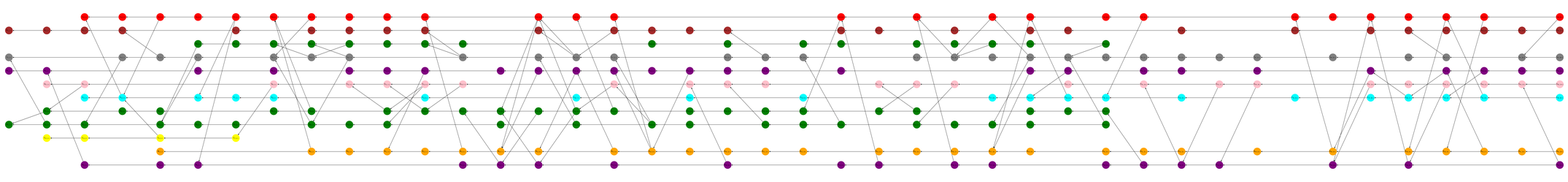

D

1

,

1

,

2

H

1

,

1

,

1 I1, 1, 1 K1, 1, 1

C

2

,

1

,

1

D

2

,

2

,

2

D

2

,

2

,

2

G

2

,

1

,

2

H

2

,

2

,

1

K

2

,

2

,

1

H

3

,

3

,

1

C

3

,

2

,

1

D

3

,

3

,

2

F

3

,

1

,

1

G

3

,

2

,

2

K

3

,

3

,

1

L

3

,

1

,

3

D

4

,

3

,

2

F

4

,

2

,

1 I4, 2, 1 K4, 4, 1 L4, 2, 3
H

5

,

4

,

1

B

5

,

1

,

1

C

5

,

3

,

1

D

5

,

4

,

2

D

5

,

4

,

2 I5, 3, 1 L5, 3, 3
H

6

,

5

,

1

D

6

,

5

,

2

F

6

,

3

,

1

H

6

,

3

,

1 I6, 4, 1 D6, 5, 2 L6, 4, 3
C

7

,

4

,

1

D

7

,

6

,

2

F

7

,

4

,

1

D

7

,

6

,

2

K

7

,

5

,

1

L

7

,

5

,

3

D

8

,

5

,

2

F

8

,

5

,

1

G

8

,

3

,

2

H

8

,

4

,

1 I8, 5, 1 D8, 7, 2 L8, 6, 3

B

9

,

2

,

1

D

9

,

7

,

2

D

9

,

6

,

2 I9, 6, 1 D9, 8, 2 K9, 6, 1 L9, 7, 3

B

1

0

,

3

,

1

D

1

0

,

8

,

2

G

1

0

,

4

,

2

H

1

0

,

5

,

1 I10, 7, 1 D10, 9, 2 K10, 7, 1 L10, 8, 3

B

1

1

,

4

,

1

D

1

1

,

9

,

2

D

1

1

,

7

,

2

G

1

1

,

5

,

2

H

1

1

,

6

,

1

D

1

1

,

1

0

,

2

K

1

1

,

8

,

1

L

1

1

,

9

,

3

B

1

2

,

5

,

1

D

1

2

,

8

,

2

F

1

2

,

6

,

1

G

1

2

,

6

,

2

H

1

2

,

7

,

1

D

1

2

,

1

1

,

2

K

1

2

,

9

,

1

L

1

2

,

1

0

,

3

H

1

3

,

6

,

1

B

1

3

,

6

,

1

D

1

3

,

9

,

2

G

1

3

,

7

,

2 I13, 8, 1 D13, 12, 2

H

1

4

,

7

,

1

B

1

4

,

7

,

1

D

1

4

,

1

0

,

2

D

1

4

,

1

0

,

2

H

1

4

,

8

,

1

H

1

5

,

8

,

1

B

1

5

,

8

,

1

D

1

5

,

1

1

,

2

H

1

5

,

9

,

1 I15, 9, 1 K15, 10, 1 L15, 11, 3
D

1

6

,

1

1

,

2

D

1

6

,

1

2

,

2

F

1

6

,

7

,

1

H

1

6

,

1

0

,

1 I16, 10, 1 L16, 12, 3

H

1

7

,

9

,

1

B

1

7

,

9

,

1

D

1

7

,

1

3

,

2

G

1

7

,

8

,

2

H

1

7

,

1

1

,

1 I17, 11, 1 K17, 11, 1 L17, 13, 3

B

1

8

,

1

0

,

1

D

1

8

,

1

2

,

2

H

1

8

,

1

2

,

1

D

1

8

,

1

3

,

2

K

1

8

,

1

2

,

1

B

1

9

,

1

1

,

1

D

1

9

,

1

3

,

2

D

1

9

,

1

4

,

2

F

1

9

,

8

,

1

G

1

9

,

9

,

2

H

1

9

,

1

3

,

1

K

1

9

,

1

3

,

1

H

2

0

,

1

0

,

1

B

2

0

,

1

2

,

1

D

2

0

,

1

5

,

2

G

2

0

,

1

0

,

2

H

2

0

,

1

4

,

1 I20, 12, 1 D20, 14, 2 K20, 14, 1

B

2

1

,

1

3

,

1

D

2

1

,

1

4

,

2

D

2

1

,

1

6

,

2

G

2

1

,

1

1

,

2

H

2

1

,

1

5

,

1 I21, 13, 1

B

2

2

,

1

4

,

1

D

2

2

,

1

5

,

2

D

2

2

,

1

7

,

2

F

2

2

,

9

,

1 I22, 14, 1 D22, 15, 2
H

2

3

,

1

1

,

1

D

2

3

,

1

6

,

2

H

2

3

,

1

6

,

1

D

2

3

,

1

6

,

2

K

2

3

,

1

5

,

1

L

2

3

,

1

4

,

3

H

2

4

,

1

2

,

1

B

2

4

,

1

5

,

1

D

2

4

,

1

8

,

2

G

2

4

,

1

2

,

2

K

2

4

,

1

6

,

1

B

2

5

,

1

6

,

1

D

2

5

,

1

7

,

2

D

2

5

,

1

9

,

2

G

2

5

,

1

3

,

2 I25, 15, 1 D25, 17, 2 L25, 15, 3
H

2

6

,

1

3

,

1

B

2

6

,

1

7

,

1

D

2

6

,

1

8

,

2

G

2

6

,

1

4

,

2 I26, 16, 1 D26, 18, 2 K26, 17, 1

H

2

7

,

1

4

,

1

B

2

7

,

1

8

,

1

D

2

7

,

1

9

,

2

F

2

7

,

1

0

,

1 I27, 17, 1 D27, 19, 2 L27, 16, 3
B

2

8

,

1

9

,

1

D

2

8

,

2

0

,

2

D

2

8

,

2

0

,

2

F

2

8

,

1

1

,

1

H

2

8

,

1

7

,

1 I28, 18, 1 D28, 20, 2 K28, 18, 1 L28, 17, 3
D

2

9

,

2

1

,

2

F

2

9

,

1

2

,

1

G

2

9

,

1

5

,

2

H

2

9

,

1

8

,

1 I29, 19, 1 K29, 19, 1

H

3

0

,

1

5

,

1

B

3

0

,

2

0

,

1

D

3

0

,

2

1

,

2

D

3

0

,

2

2

,

2

F

3

0

,

1

3

,

1 I30, 20, 1 D30, 21, 2 L30, 18, 3
H

3

1

,

1

6

,

1

B

3

1

,

2

1

,

1

G

3

1

,

1

6

,

2

H

3

1

,

1

9

,

1 I31, 21, 1 L31, 19, 3

H

3

2

,

1

7

,

1

B

3

2

,

2

2

,

1

F

3

2

,

1

4

,

1

H

3

2

,

2

0

,

1 I32, 22, 1 K32, 20, 1

H

3

3

,

1

8

,

1

G

3

3

,

1

7

,

2 I33, 23, 1

B

3

4

,

2

3

,

1

G

3

4

,

1

8

,

2

H

3

4

,

2

1

,

1 I34, 24, 1

F

3

5

,

1

5

,

1

K

3

5

,

2

1

,

1

L

3

5

,

2

0

,

3

H

3

6

,

1

9

,

1

B

3

6

,

2

4

,

1 I36, 25, 1 L36, 21, 3

F

3

7

,

1

6

,

1

G

3

7

,

1

9

,

2

H

3

7

,

2

2

,

1

K

3

7

,

2

2

,

1

L

3

7

,

2

2

,

3

H

3

8

,

2

0

,

1

B

3

8

,

2

5

,

1

F

3

8

,

1

7

,

1

G

3

8

,

2

0

,

2 I38, 26, 1 K38, 23, 1 L38, 23, 3
B

3

9

,

2

6

,

1

F

3

9

,

1

8

,

1

G

3

9

,

2

1

,

2

H

3

9

,

2

3

,

1 I39, 27, 1 K39, 24, 1 L39, 24, 3

B

4

0

,

2

7

,

1

F

4

0

,

1

9

,

1

G

4

0

,

2

2

,

2

H

4

0

,

2

4

,

1

K

4

0

,

2

5

,

1

L

4

0

,

2

5

,

3

B

4

1

,

2

8

,

1

G

4

1

,

2

3

,

2

H

4

1

,

2

5

,

1 I41, 28, 1 K41, 26, 1

H

4

2

,

2

1

,

1

B

4

2

,

2

9

,

1

F

4

2

,

2

0

,

1

G

4

2

,

2

4

,

2

H

4

2

,

2

6

,

1 I42, 29, 1 K42, 27, 1 L42, 26, 3

node_present_probability: 0.5798023292076484
observing_probability: 0.246735743460605
num_nodes: 12
num_levels: 42
cheat_prob: 0.3