

# Multiverse Go

## 1 Rules

Multiverse go is a variant similar but distinct from 3D go. Like 3D go, it is played on a 3D goban. However, the rules concerning stone liberties are different. The game is played on a 3D goban; in this document we will use the  $5 \times 5 \times 5$  grid as an example. Rather than seeing it as a single  $5 \times 5 \times 5$  game of go, it should be seen as 15 separate (but connected)  $5 \times 5$  games. Each 2D “slice” of the 3D goban represents a separate “flat” game. In practice, when each move in the  $5 \times 5 \times 5$  goban corresponds to 3 moves and 12 passes in the  $5 \times 5$  “slice” gobans.

Each intersection can be identified by using 3D coordinates which range from A1a to E5e. These coordinates can be used to uniquely identify both the 2D “slice” gobans in which the moves are being played, and the coordinates within those “slice” gobans. Each 2D board has a unique name; in  $5 \times 5 \times 5$  multiverse go, the names are A, B, C, D, E, 1, 2, 3, 4, 5, a, b, c, d, and e. As an example, move B4c represents three moves:

- Move 4c on board B;
- Move Bc on board 4;
- Move B4 on board c;

A

1	2	3	4	5
do				do
re				re
mi				mi
fa				fa
so				so

B

1	2	3	4	5
do				do
re				re
mi				mi
fa				fa
so				so

C

1	2	3	4	5
do				do
re				re
mi				mi
fa				fa
so				so

D

1	2	3	4	5
do				do
re				re
mi				mi
fa				fa
so				so

E

1	2	3	4	5
do				do
re				re
mi				mi
fa				fa
so				so

1

A	do	re	mi	fa	so	A
B						B
C						C
D						D
E						E

2

A	do	re	mi	fa	so	A
B						B
C						C
D						D
E						E

3

A	do	re	mi	fa	so	A
B						B
C						C
D						D
E						E

4

A	do	re	mi	fa	so	A
B						B
C						C
D						D
E						E

5

A	do	re	mi	fa	so	A
B						B
C						C
D						D
E						E

do

A	B	C	D	E
1				1
2				2
3				3
4				4
5				5

re

A	B	C	D	E
1				1
2				2
3				3
4				4
5				5

mi

A	B	C	D	E
1				1
2				2
3				3
4				4
5				5

fa

A	B	C	D	E
1				1
2				2
3				3
4				4
5				5

so

A	B	C	D	E
1				1
2				2
3				3
4				4
5				5

**A**

1	2	3	4	5	6	7
do						do
re						re
mi						mi
fa						fa
so						so
la						la
si						si

**B**

1	2	3	4	5	6	7
do						do
re						re
mi						mi
fa						fa
so						so
la						la
si						si

**C**

1	2	3	4	5	6	7
do						do
re						re
mi						mi
fa						fa
so						so
la						la
si						si

**D**

1	2	3	4	5	6	7
do						do
re						re
mi						mi
fa						fa
so						so
la						la
si						si

**E**

1	2	3	4	5	6	7
do						do
re						re
mi						mi
fa						fa
so						so
la						la
si						si

**F**

1	2	3	4	5	6	7
do						do
re						re
mi						mi
fa						fa
so						so
la						la
si						si

**G**

1	2	3	4	5	6	7
do						do
re						re
mi						mi
fa						fa
so						so
la						la
si						si

**1**

A	do	re	mi	fa	so	la	si	A
B								B
C								C
D								D
E								E
F								F
G								G

**2**

A	do	re	mi	fa	so	la	si	A
B								B
C								C
D								D
E								E
F								F
G								G

**3**

A	do	re	mi	fa	so	la	si	A
B								B
C								C
D								D
E								E
F								F
G								G

**4**

A	do	re	mi	fa	so	la	si	A
B								B
C								C
D								D
E								E
F								F
G								G

**5**

A	do	re	mi	fa	so	la	si	A
B								B
C								C
D								D
E								E
F								F
G								G

**6**

A	do	re	mi	fa	so	la	si	A
B								B
C								C
D								D
E								E
F								F
G								G

**7**

A	do	re	mi	fa	so	la	si	A
B								B
C								C
D								D
E								E
F								F
G								G

**do**

1	A	B	C	D	E	F	G	1
2								2
3								3
4								4
5								5
6								6
7								7

**re**

1	A	B	C	D	E	F	G	1
2								2
3								3
4								4
5								5
6								6
7								7

**mi**

1	A	B	C	D	E	F	G	1
2								2
3								3
4								4
5								5
6								6
7								7

**fa**

1	A	B	C	D	E	F	G	1
2								2
3								3
4								4
5								5
6								6
7								7

**so**

1	A	B	C	D	E	F	G	1
2								2
3								3
4								4
5								5
6								6
7								7

**la**

1	A	B	C	D	E	F	G	1
2								2
3								3
4								4
5								5
6								6
7								7

**si**

1	A	B	C	D	E	F	G	1
2								2
3								3
4								4
5								5
6								6
7								7