

iA iA	1	2	3	4	5
Name					
	A	M1	M2	B	C
	B	C	A	M1	M2
	C	A	M1	M2	B
	M1	M2	B	C	A
	M2	B	C	A	M1

wolfgang westerboer, westwolf@gmx.de

iA iB	1	2	3	4	5
Name					
	A	M1	B	M2	C
	B	M2	C	A	M1
	C	A	M1	B	M2
	M1	B	M2	C	A
	M2	C	A	M1	B

wolfgang westerboer, westwolf@gmx.de

iA iC	1	2	3	4	5
Name					
	A	M1	B	C	M2
	B	C	M2	A	M1
	C	M2	A	M1	B
	M1	B	C	M2	A
	M2	A	M1	B	C

wolfgang westerboer, westwolf@gmx.de

iB	iB	1	2	3	4	5
Name		A	B	M1	M2	C
		B	M1	M2	C	A
		C	A	B	M1	M2
		M1	M2	C	A	B
		M2	C	A	B	M1

wolfgang westerboer, westwolf@gmx.de

iB	iC	1	2	3	4	5
Name						
		A	B	M1	C	M2
		B	M1	C	M2	A
		C	M2	A	B	M1
		M1	C	M2	A	B
		M2	A	B	M1	C

wolfgang westerboer, westwolf@gmx.de

iC	iC	1	2	3	4	5
Name						
	A	B	C	M1	M2	
	B	C	M1	M2	A	
	C	M1	M2	A	B	
	M1	M2	A	B	C	
	M2	A	B	C	M1	

wolfgang westerboer, westwolf@gmx.de

Comments:

iB iA is the same as iA iB, It's the same turntable with the names of M1 and M2 exchanged. Same for the other patterns not named here.

As a start, we want to avoid combinations of patterns in which both manipulators interact with the same juggler on the same beat:

If M1 does a manipulation on A on beat 1, M2 has to manipulate B or C on this beat. Same goes for the 2 other beats: no matter which juggler M1 interacts with, M2 will chose for one of the two other jugglers.

Obviously you can find for every pattern M1 chooses for 8 different patterns M2 can do without a collision between them: M2 has 2 possibilities on beat 1, two more on beat 2 and another 2 on beat three, hence $2*2*2=8$ patterns to select from¹.

¹ It is possible to do patterns where M1 and M2 manipulate the same juggler on the same beat. But this will need a non standard solution to handle the situation. As an example: we do something alike in the roundabout with 2 manipulators where they both start from the same juggler A, with M2 starting one pass (4 beats) later than M1. Both want to manipulate juggler B on the same hand at the same moment 4 more beats later: M1 wants to hand the carry to juggler B while M2 wants to give the substituted pass to B. (Our name for this is „heads and shoulders“. Stay tuned, it will be on juggling.tv some day.)