

Pirouette CHARTS

3objects

3 Up

Period 5	Period 6	Period 7	Period 7	Period 7	Period 7	Synchronous
55500	625500	4615500	7225500	8226300	9225300	(2x,6x)(4x,6x)(0,0)
56400	626400	4616400	7226400	8251500	9251400	(2x,6x)(6,4)(0,0)
64500	661500	4660500	7261500	8271300	9261300	(2x,6)(4,6x)(0,0)
66300	671400	4670400	7266000	8314500	9314400	(2x,6)(6,4x)(0,0)
74400	724500	4714500	7266000	8316300	9315300	(2x,8x)(4,4)(0,0)
75300	726300	4716300	7267000	8350500	9350400	(2x,8x)(4x,4x)(0,0)
	751500	4750500	7268000	8370300	9360300	(6,2)(4x,6x)(0,0)
	771300	4770300	7271400	8611500	9611400	(6,2)(6,4)(0,0)
	824400	4814400	7720500	8620500	9620400	(6,8x)(4x,0)(0,0)
	825300	4815300	7811400	8811300	9711300	(6x,2)(4,6x)(0,0)
	851400	4850400	7820400	8820300	9720300	(6x,2)(6,4x)(0,0)
	861300	4860300	8224500	9224400		(6x,6x)(6,0)(0,0)
						(6x,8x)(4,0)(0,0)
						(8,2)(4,4)(0,0)
						(8,2)(4x,4x)(0,0)
						(8,6x)(4x,0)(0,0)
						(8,6)(4,0)(0,0)
						(2x,6)(4,8x)(0,0)(2,2)
						(2x,6)(8,4x)(0,0)(2,2)
						(2x,ax)(4,4)(0,0)(2,2)
						(2x,ax)(4x,4x)(0,0)(2,2)
						(6,6)(8,0)(0,0)(2,2)
						(6,ax)(4x,0)(0,0)(2,2)
						(6x,2)(4,8x)(0,0)(2,2)
						(6x,2)(8,4x)(0,0)(2,2)
						(6x,6x)(8,0)(0,0)(2,2)
						(6x,ax)(4,0)(0,0)(2,2)
						(a,2)(4,4)(0,0)(2,2)
						(a,2)(4x,4x)(0,0)(2,2)
						(a,6x)(4x,0)(0,0)(2,2)
						(a,6)(4,0)(0,0)(2,2)

3objects

2 Stage and 3 Stage

Exchange

Pirouettes

Throw one

turn, throw 2

turn under 3

Turn catch 2

Turn catch 1

Turn catch 1

Turn catch 2

Turn catch 1

Turn catch 1

Turn catch 1

5570022	82580022	5275070022	5770020	739060020	579002022	7225500	622860300
5840022	829130022	5279030022	5860020	791170020	5a6002022	7226400	722560041
6470022	829400022	5360570022	8470020	791800020	849002022	9224400	722660040
6830022	831470022	5360840022	8830020	792070020	8a3002022	9225300	722670012
9440022	831830022	5370470022	9460020	799000020	b46002022	8224500	722740041
9530022	835070022	5370830022	9730020	4460770020	b73002022	8226300	722750040
62570022	839030022	5711570022	62770020	4460860020	6279002022	9224400	722770011
62840022	861170022	5711840022	62860020	4490470020	62a6002022	9225300	722850012
66170022	861800022	5716070022	68170020	4490830020	6819002022	72256002	Throw 2 turn
66800022	862070022	5719040022	68800020	4712770020	68a0002022	72266001	throw 1 turn
69140022	86900022	5720570022	69160020	4712860020	6b16002022	72274002	again
69500022	4460570022	5720840022	69700020	4718170020	6b70002022	72275001	
72470022	4460840022	5770070022	92470020	4718800020	9249002022	82225500	7720500
72830022	4470470022	5811470022	92830020	4719160020	92a3002022	82226400	8620500
75170022	4470830022	5811830022	95170020	4719700020	9519002022	82246002	79205001
75800022	4712570022	5815070022	95800020	4730770020	95a0002022	82261500	82720500
79130022	4712840022	5819030022	99130020	4730860020	9b13002022	82266000	88120500
79400022	4716170022	5820470022	99400020	4790170020	9b40002022	82271400	89205000
461570022	4716800022	5820830022	425770020	4790800020	46179002022	82273002	92620500
461840022	4719140022	5860070022	425860020	5261770020	461a6002022	82275000	97120500
466070022	4719500022	8222570022	428470020	5261860020	46809002022	92224500	4480720500
469040022	4730570022	8222840022	428830020	5268070020	46b06002022	92226300	4490620500
471470022	4730840022	8226170022	429460020	5269060020	49149002022	92246001	4819205001
471830022	4770170022	8226800022	429730020	5291470020	491a3002022	92251500	4912720500
475070022	4770800022	8229140022	461770020	5291830020	49509002022	92256000	4918120500
479030022	4812470022	8229500022	461860020	5295070020	49b03002022	92271300	4919205000
722570022	4812830022	8231570022	468070020	5299030020	72279002022	92273001	4930720500
722840022	4815170022	8231840022	469060020	5360770020	722a6002022	92274000	4990120500
726170022	4815800022	8236070022	491470020	5360860020	72819002022	481225500	5281720500
726800022	4819130022	8239040022	491830020	5390470020	728a0002022	481226400	5288020500
729140022	4819400022	8271170022	495070020	5390830020	72b16002022	491224500	5291620500
729500022	4830470022	8271800022	499030020	5711770020	72b70002022	491226300	5297020500
731570022	4830830022	8272070022	722770020	5711860020	73179002022	4a1224400	5380720500
731840022	4860170022	8279000022	722860020	5718070020	731a6002022	4a1225300	5390620500
771170022	4860800022	8312570022	728170020	5719060020	73809002022	622660500	5918020500
771800022	5261570022	8312840022	728800020	5720770020	73b06002022	622670400	5930720500
779000022	5261840022	8316170022	729160020	5720860020	79119002022	622750500	5990020500
736070022	5266070022	8316800022	729700020	5790070020	791a0002022	622770300	7920500502
739040022	5269040022	8319140022	731770020	8222770020	79209002022	622814400	8292050040912
822470022	5271470022	8319500022	731860020	8222860020	a2249002022	622815300	9205001931920
822830022	5271830022	8330570022	738070020	8228800020	a22a3002022	622850400	

4objects

4 up

666600	6975001	8384500	9384400	(6,6)(6,6)(0,0)	(4,8)(8,6x)(6x,0)(0,0)
667500	7366600	8386300	9385300	(6,8x)(4x,6)(0,0)	(4,8)(8,8)(4,0)(0,0)
675600	7367500	8557003	9557002	(6,8x)(6x,4)(0,0)	(4,8)(8x,2)(4,6x)(0,0)
677400	7375600	8577001	9567001	(6,8)(4x,6x)(0,0)	(4,8)(8x,2)(6,4x)(0,0)
685500	7377400	8584003	9584002	(6,8)(6,4)(0,0)	(4,8)(8x,6x)(6,0)(0,0)
686400	7385500	8586001	9585001	(6x,8x)(4,6)(0,0)	(4,8)(8x,8x)(4,0)(0,0)
756600	7386400	8626600	9625600	(6x,8x)(6x,4x)(0,0)	(4x,8x)(2,6)(6,6)(0,0)
757500	7567003	8627500	9627400	(6x,8)(4,6x)(0,0)	(4x,8x)(2,6)(6x,6x)(0,0)
774600	7577002	8647003	9647002	(6x,8)(6,4x)(0,0)	(4x,8x)(2,8x)(4x,6)(0,0)
777300	7585003	8671600	9661600	(8,8)(4,4)(0,0)	(4x,8x)(2,8x)(6x,4)(0,0)
784500	7586002	8677000	9667000	(4,8x)(2x,6)(6,6)(0,0)	(4x,8x)(2,8)(4x,6x)(0,0)
786300	7726600	8681500	9681400	(4,8x)(2x,6)(6x,6x)(0,0)	(4x,8x)(2,8)(6,4)(0,0)
855600	7727500	8683003	9683002	(4,8x)(2x,8x)(4x,6)(0,0)	(4x,8x)(6x,2x)(6,6)(0,0)
857400	7747003	8686000	9685000	(4,8x)(2x,8x)(6x,4)(0,0)	(4x,8x)(6x,2x)(6x,6x)(0,0)
864600	7771600	8824600	9724600	(4,8x)(2x,8)(4x,6x)(0,0)	(4x,8x)(6x,8x)(0,6)(0,0)
867300	7777000	8827300	9727300	(4,8x)(2x,8)(6,4)(0,0)	(4x,8x)(6x,8)(0,6x)(0,0)
884400	7781500	8847001	9747001	(4,8x)(6x,2)(6,6)(0,0)	(4x,8x)(8,2x)(4x,6)(0,0)
885300	7783003	8851600	9751600	(4,8x)(6x,2)(6x,6x)(0,0)	(4x,8x)(8,2x)(6x,4)(0,0)
955500	7786000	8857000	9757000	(4,8x)(6x,8x)(6x,0)(0,0)	(4x,8x)(8,6)(0,6)(0,0)
956400	7825600	8881300	9781300	(4,8x)(6x,8)(6,0)(0,0)	(4x,8x)(8,8)(0,4)(0,0)
964500	7827400	8883001	9783001	(4,8x)(8,2)(4x,6)(0,0)	(4x,8x)(8x,2x)(4x,6x)(0,0)
966300	7847002	8884000	9784000	(4,8x)(8,2)(6x,4)(0,0)	(4x,8x)(8x,2x)(6,4)(0,0)
974400	7861600	8924500	9924400	(4,8x)(8,6)(6x,0)(0,0)	(4x,8x)(8x,6)(0,6x)(0,0)
975300	7867000	8926300	9925300	(4,8x)(8,8)(4x,0)(0,0)	(4x,8x)(8x,8x)(0,4)(0,0)
6667003	7881400	8944003	9944002	(4,8x)(8x,2)(4x,6x)(0,0)	(4x,8)(2,6x)(6,6)(0,0)
6677002	7883002	8946001	9945001	(4,8x)(8x,2)(6,4)(0,0)	(4x,8)(2,6x)(6x,6x)(0,0)
6685003	7885000	8951500	9951400	(4,8x)(8x,6)(6,0)(0,0)	(4x,8)(2,8x)(4,6)(0,0)
6686002	7925500	8953003	9953002	(4,8x)(8x,8x)(4x,0)(0,0)	(4x,8)(2,8x)(6x,4x)(0,0)
6757003	7926400	8956000	9955000	(4,8)(2x,6x)(6,6)(0,0)	(4x,8)(2,8)(4,6x)(0,0)
6777001	7945003	8971300	9961300	(4,8)(2x,6x)(6x,6x)(0,0)	(4x,8)(2,8)(6,4x)(0,0)
6784003	7946002	8973001	9963001	(4,8)(2x,8x)(4,6)(0,0)	(4x,8)(6,2x)(6,6)(0,0)
6786001	7961500	8974000	9964000	(4,8)(2x,8x)(6x,4x)(0,0)	(4x,8)(6,2x)(6x,6x)(0,0)
6857002	7963003	9355600		(4,8)(2x,8)(4,6x)(0,0)	(4x,8)(6,8x)(0,6)(0,0)
6867001	7966000	9357400		(4,8)(2x,8)(6,4x)(0,0)	(4x,8)(6,8)(0,6x)(0,0)
6884002	7971400	9364600		(4,8)(6,2)(6,6)(0,0)	(4x,8)(8,2x)(4,6)(0,0)
6885001	7973002	9367300		(4,8)(6,2)(6x,6x)(0,0)	(4x,8)(8,2x)(6x,4x)(0,0)
6955003	7975000			(4,8)(6,8x)(6x,0)(0,0)	(4x,8)(8,6x)(0,6)(0,0)
6956002	8356600			(4,8)(6,8)(6,0)(0,0)	(4x,8)(8,8)(0,4x)(0,0)
6964003	8357500			(4,8)(8,2)(4,6)(0,0)	(4x,8)(8x,2x)(4,6x)(0,0)
6966001	8374600			(4,8)(8,2)(6x,4x)(0,0)	(4x,8)(8x,2x)(6,4x)(0,0)
6974002	8377300				(4x,8)(8x,6x)(0,6x)(0,0)

66880022	8339940022	(6,6)(8,8)(0,0)(2,2)	88226600	(8,8)(2,2)(6,6)(0,0)
66970022	8358900223	(6,ax)(4x,8)(0,0)(2,2)	88227500	(8,8)(2,2)(6x,6x)(0,0)
69580022	8379180022	(6,ax)(8x,4)(0,0)(2,2)	89225600	(8,ax)(2,2)(4x,6)(0,0)
69940022	8379900022	(6,a)(4x,8x)(0,0)(2,2)	89227400	(8,ax)(2,2)(6x,4)(0,0)
75880022	8394900223	(6,a)(8,4)(0,0)(2,2)	97226600	(8,a)(2,2)(4x,6x)(0,0)
75970022	8429580022	(6x,ax)(4,8)(0,0)(2,2)	97227500	(8,a)(2,2)(6,4)(0,0)
79480022	8429940022	(6x,ax)(8x,4x)(0,0)(2,2)	99224600	(8x,ax)(2,2)(4,6)(0,0)
79930022	8479080022	(6x,a)(4,8x)(0,0)(2,2)	99227300	(4,ax)(2x,8)(2,2)(6,6)(0,0)
668900223	8628900223	(6x,a)(8,4x)(0,0)(2,2)	692256600	(4,ax)(2x,8)(2,2)(6x,6x)(0,0)
695900223	8691900223	(a,a)(4,4)(0,0)(2,2)	692257500	(4,ax)(2x,ax)(2,2)(4x,6)(0,0)
739580022	8829180022	(4,8x)(2x,ax)(4x,8)(0,0)(2,2)	692274600	(4,ax)(2x,ax)(2,2)(6x,4)(0,0)
739940022	8829900022	(4,8x)(2x,ax)(8x,4)(0,0)(2,2)	692277300	(4,ax)(2x,a)(2,2)(4x,6x)(0,0)
758900223	8839080022	(4,8x)(2x,a)(4x,8x)(0,0)(2,2)	692284500	(4,ax)(2x,a)(2,2)(6,4)(0,0)
779180022	9339480022	(4,8x)(2x,a)(8,4)(0,0)(2,2)	692286300	(4,ax)(8x,2)(2,2)(6,6)(0,0)
779900022	9339930022	(4,8x)(6x,ax)(8x,0)(0,0)(2,2)	882267003	(4,ax)(8x,2)(2,2)(6x,6x)(0,0)
794900223	9369180022	(4,8x)(6x,a)(8,0)(0,0)(2,2)	882277002	(4,ax)(a,2)(2,2)(4x,6)(0,0)
839480022	9369900022	(4,8x)(a,2)(4x,8)(0,0)(2,2)	882285003	(4,ax)(a,2)(2,2)(6x,4)(0,0)
839930022	9429480022	(4,8x)(a,2)(8x,4)(0,0)(2,2)	882286002	(4,ax)(ax,2)(2,2)(4x,6x)(0,0)
869180022	9429930022	(4,8x)(a,6)(8x,0)(0,0)(2,2)	892257003	(4,ax)(ax,2)(2,2)(6,4)(0,0)
869900022	9469080022	(4,8x)(a,a)(4x,0)(0,0)(2,2)	892277001	(4,a)(2x,8x)(2,2)(6,6)(0,0)
5729580022	9729180022	(4,8x)(ax,2)(4x,8x)(0,0)(2,2)	892284003	(4,a)(2x,8x)(2,2)(6x,6x)(0,0)
5729940022	9729900022	(4,8x)(ax,2)(8,4)(0,0)(2,2)	892286001	(4,a)(2x,ax)(2,2)(4,6)(0,0)
5779080022	9739080022	(4,8x)(ax,6)(8,0)(0,0)(2,2)	938226600	(4,a)(2x,ax)(2,2)(6x,4x)(0,0)
5829480022		(4,8)(2x,ax)(4,8)(0,0)(2,2)	938227500	(4,a)(2x,a)(2,2)(4,6x)(0,0)
5829930022		(4,8)(2x,ax)(8x,4x)(0,0)(2,2)	939225600	(4,a)(2x,a)(2,2)(6,4x)(0,0)
5869080022		(4,8)(2x,a)(4,8x)(0,0)(2,2)	939227400	(4,a)(8,2)(2,2)(6,6)(0,0)
6689002252		(4,8)(2x,a)(8,4x)(0,0)(2,2)	952266600	(4,a)(8,2)(2,2)(6x,6x)(0,0)
6959002252		(4,8)(6,ax)(8x,0)(0,0)(2,2)	952267500	(4,a)(a,2)(2,2)(4,6)(0,0)
7368900223		(4,8)(6,a)(8,0)(0,0)(2,2)	952275600	(4,a)(a,2)(2,2)(6x,4x)(0,0)
7395900223		(4,8)(a,2)(4,8)(0,0)(2,2)	952277400	(4,a)(ax,2)(2,2)(4,6x)(0,0)
7589002252		(4,8)(a,2)(8x,4x)(0,0)(2,2)	972267003	(4,a)(ax,2)(2,2)(6,4x)(0,0)
7728900223		(4,8)(a,6x)(8x,0)(0,0)(2,2)	972277002	
7791900223		(4,8)(a,a)(4,0)(0,0)(2,2)	972285003	
7949002252		(4,8)(ax,2)(4,8x)(0,0)(2,2)	972286002	
8339580022		(4,8)(ax,2)(8,4x)(0,0)(2,2)	992226600	
		(4,8)(ax,6x)(8,0)(0,0)(2,2)	992227500	
			992247003	
			992271600	
			992277000	
			992281500	
			992286000	

4 exchange throw 3 turn
Catch 1 throw 1 turn

4 up Doubles Turn catch
one turn catch 3

66820622	842882022	68880020	8392970020
66920522	842972022	68970020	8399180020
68820224	849182022	69780020	8399900020
68920223	849902022	69960020	8428880020
69520622	859202622	95880020	8428970020
69720224	859207122	95970020	8429780020
69920222	869120622	99480020	8429960020
73882022	869201622	99930020	8491880020
73972022	869207022	688900203	8491970020
75820622	959202252	689900202	8499080020
75920522		697900203	9589002052
79282022		699900201	9599002051
79420622		738880020	9949002052
79912022		738970020	
79920122		739780020	
95820224		739960020	
95920223		792880020	
99420224		792970020	
572882022		799180020	
572972022		799900020	
579182022		958900203	
579902022		959900202	
679207122		994900203	
689202252		5728880020	
699202251		5728970020	
738920223		5729780020	
739920222		5729960020	
758207223		5791880020	
779120622		5791970020	
779201622		5799080020	
779207022		6889002052	
792920223		6899002051	
794207223		6979002052	
833882022		6999002050	
833972022		7388900203	
839282022		7389900202	
839420622		7397900203	
839912022		7399900201	
839920122		7928900203	
		7929900202	

4objects

4 up Synch

4 up DoublesSynch

4 Doubles

Throw 2 turn throw 2 turn

(6,6)(6,6)(0,0)	(4,8x)(2x,6)(6,6)(0,0)	(4x,8)(2,8)(6,4x)(0,0)	(6,6)(8,8)(0,0)(2,2)	88226600	(8,8)(2,2)(6,6)(0,0)
(6,8x)(4x,6)(0,0)	(4,8x)(2x,6)(6x,6x)(0,0)	(4x,8)(6,2x)(6,6)(0,0)	(6,ax)(4x,8)(0,0)(2,2)	88227500	(8,8)(2,2)(6x,6x)(0,0)
(6,8x)(6x,4)(0,0)	(4,8x)(2x,8x)(4x,6)(0,0)	(4x,8)(6,2x)(6x,6x)(0,0)	(6,ax)(8x,4)(0,0)(2,2)	89225600	(8,ax)(2,2)(4x,6)(0,0)
(6,8)(4x,6x)(0,0)	(4,8x)(2x,8x)(6x,4)(0,0)	(4x,8)(6,8x)(0,6)(0,0)	(6,a)(4x,8x)(0,0)(2,2)	89227400	(8,ax)(2,2)(6x,4)(0,0)
(6,8)(6,4)(0,0)	(4,8x)(2x,8)(4x,6x)(0,0)	(4x,8)(6,8)(0,6x)(0,0)	(6,a)(8,4)(0,0)(2,2)	97226600	(8,a)(2,2)(4x,6x)(0,0)
(6x,8x)(4,6)(0,0)	(4,8x)(2x,8)(6,4)(0,0)	(4x,8)(8,2x)(4,6)(0,0)	(6x,ax)(4,8)(0,0)(2,2)	97227500	(8,a)(2,2)(6,4)(0,0)
(6x,8x)(6x,4x)(0,0)	(4,8x)(6x,2)(6,6)(0,0)	(4x,8)(8,2x)(6x,4x)(0,0)	(6x,ax)(8x,4x)(0,0)(2,2)	99224600	(8x,ax)(2,2)(4,6)(0,0)
(6x,8)(4,6x)(0,0)	(4,8x)(6x,2)(6x,6x)(0,0)	(4x,8)(8,6x)(0,6)(0,0)	(6x,a)(4,8x)(0,0)(2,2)	99227300	(8x,ax)(2,2)(6x,4x)(0,0)
(6x,8)(6,4x)(0,0)	(4,8x)(6x,8x)(6x,0)(0,0)	(4x,8)(8,8)(0,4x)(0,0)	(6x,a)(8,4x)(0,0)(2,2)	692256600	(8x,a)(2,2)(4,6x)(0,0)
(8,8)(4,4)(0,0)	(4,8x)(6x,8)(6,0)(0,0)	(4x,8)(8x,2x)(4,6x)(0,0)	(a,a)(4,4)(0,0)(2,2)	692257500	(8x,a)(2,2)(6,4x)(0,0)
	(4,8x)(8,2)(4x,6)(0,0)	(4x,8)(8x,2x)(6,4x)(0,0)	(4,8x)(2x,ax)(4x,8)(0,0)(2,2)	692274600	(4,ax)(2x,8)(2,2)(6,6)(0,0)
	(4,8x)(8,2)(6x,4)(0,0)	(4x,8)(8x,6x)(0,6x)(0,0)	(4,8x)(2x,ax)(8x,4)(0,0)(2,2)	692277300	(4,ax)(2x,8)(2,2)(6x,6x)(0,0)
	(4,8x)(8,6)(6x,0)(0,0)	(4x,8)(8x,8x)(0,4x)(0,0)	(4,8x)(2x,a)(4x,8x)(0,0)(2,2)	692284500	(4,ax)(2x,ax)(2,2)(4x,6)(0,0)
	(4,8x)(8,8)(4x,0)(0,0)	(8,8)(8,4x)(0,0)(4x,0)	(4,8x)(2x,a)(8,4)(0,0)(2,2)	692286300	(4,ax)(2x,ax)(2,2)(6x,4)(0,0)
	(4,8x)(8x,2)(4x,6x)(0,0)	(8,8)(8,4)(0,0)(0,4)	(4,8x)(6x,ax)(8x,0)(0,0)(2,2)	882267003	(4,ax)(2x,a)(2,2)(4x,6x)(0,0)
	(4,8x)(8x,2)(6,4)(0,0)	(8,8)(8,8)(0,0)(0,0)	(4,8x)(6x,a)(8,0)(0,0)(2,2)	882277002	(4,ax)(2x,a)(2,2)(6,4)(0,0)
	(4,8x)(8x,6)(6,0)(0,0)	(8,8)(8x,2x)(6,0)(0,0)	(4,8x)(a,2)(4x,8)(0,0)(2,2)	882285003	(4,ax)(8x,2)(2,2)(6,6)(0,0)
	(4,8x)(8x,8x)(4x,0)(0,0)	(8,8)(8x,2)(0,6x)(0,0)	(4,8x)(a,2)(8x,4)(0,0)(2,2)	882286002	(4,ax)(8x,2)(2,2)(6x,6x)(0,0)
	(4,8)(2x,6x)(6,6)(0,0)	(8,8)(8x,4x)(0,0)(4,0)	(4,8x)(a,6)(8x,0)(0,0)(2,2)	882257003	(4,ax)(a,2)(2,2)(4x,6)(0,0)
	(4,8)(2x,6x)(6x,6x)(0,0)	(8,8)(8x,4)(0,0)(0,4x)	(4,8x)(a,a)(4x,0)(0,0)(2,2)	892277001	(4,ax)(a,2)(2,2)(4x,6x)(0,0)
	(4,8)(2x,8x)(4,6)(0,0)	(8,8)(8x,8x)(0,0)(0,0)	(4,8x)(ax,2)(4x,8x)(0,0)(2,2)	892284003	(4,ax)(ax,2)(2,2)(4x,6x)(0,0)
	(4,8)(2x,8x)(6x,4x)(0,0)	(8,8)(2,8)(6,0)(0,0)	(4,8x)(ax,2)(8,4)(0,0)(2,2)	892286001	(4,ax)(ax,2)(2,2)(6,4)(0,0)
	(4,8)(2x,8)(4,6x)(0,0)	(8,8)(2x,2x)(6,6)(0,0)	(4,8x)(ax,6)(8,0)(0,0)(2,2)	938226600	(4,a)(2x,8x)(2,2)(6,6)(0,0)
	(4,8)(2x,8)(6,4x)(0,0)	(8,8)(2x,2x)(6x,6x)(0,0)	(4,8)(2x,ax)(4,8)(0,0)(2,2)	938227500	(4,a)(2x,8x)(2,2)(6x,6x)(0,0)
	(4,8)(6,2)(6,0)(0,0)	(8,8)(2x,8x)(0,6)(0,0)	(4,8)(2x,ax)(8x,4x)(0,0)(2,2)	939225600	(4,a)(2x,ax)(2,2)(4,6)(0,0)
	(4,8)(6,2)(6x,6x)(0,0)	(8,8)(2x,8)(0,6x)(0,0)	(4,8)(2x,a)(4,8x)(0,0)(2,2)	939227400	(4,a)(2x,ax)(2,2)(6x,4x)(0,0)
	(4,8)(6,8x)(6x,0)(0,0)	(8,8)(4,8x)(0,0)(4x,0)	(4,8)(2x,a)(8,4x)(0,0)(2,2)	952266600	(4,a)(2x,a)(2,2)(4,6x)(0,0)
	(4,8)(6,8)(6,0)(0,0)	(8,8)(4,8)(0,0)(4,0)	(4,8)(6,ax)(8x,0)(0,0)(2,2)	952267500	(4,a)(2x,a)(2,2)(6,4x)(0,0)
	(4,8)(8,2)(4,6)(0,0)	(8,8)(4x,8x)(0,0)(0,4)	(4,8)(6,a)(8,0)(0,0)(2,2)	952275600	(4,a)(8,2)(2,2)(6,6)(0,0)
	(4,8)(8,2)(6x,4x)(0,0)	(8,8)(4x,8)(0,0)(0,4x)	(4,8)(a,2)(4,8)(0,0)(2,2)	952277400	(4,a)(8,2)(2,2)(6x,6x)(0,0)
	(4,8)(8,6x)(6x,0)(0,0)	(8,8)(8,2x)(6x,0)(0,0)	(4,8)(a,2)(8x,4x)(0,0)(2,2)	972267003	(4,a)(a,2)(2,2)(4,6)(0,0)
	(4,8)(8,8)(4,0)(0,0)	(8,8)(8,2)(0,6)(0,0)	(4,8)(a,6x)(8x,0)(0,0)(2,2)	972277002	(4,a)(a,2)(2,2)(6x,4x)(0,0)
	(4,8)(8x,2)(4,6x)(0,0)	(6x,8x)(8x,4x)(0,0)(4,2)	(4,8)(a,a)(4,0)(0,0)(2,2)	972285003	(4,a)(ax,2)(2,2)(4,6x)(0,0)
	(4,8)(8x,2)(6,4x)(0,0)	(6x,8x)(8x,6)(0,0)(0,4x)	(4,8)(ax,2)(4,8x)(0,0)(2,2)	972286002	(4,a)(ax,2)(2,2)(6,4x)(0,0)
	(4,8)(8x,6x)(6,0)(0,0)	(6x,8x)(8x,8x)(0,0)(0,2)	(4,8)(ax,2)(8,4x)(0,0)(2,2)	992226600	(4,a)(ax,2)(2,2)(6,4x)(0,0)
	(4,8)(8x,8x)(4,0)(0,0)	(6x,8)(4,8x)(0,0)(2,4)	(4,8)(ax,6x)(8,0)(0,0)(2,2)	992227500	
	(4x,8x)(2,6)(6,6)(0,0)	(6x,8)(4,8x)(0,0)(4x,2x)		992247003	
	(4x,8x)(2,6)(6x,6x)(0,0)	(6x,8)(4,8)(0,0)(2,4x)		992271600	
	(4x,8x)(2,8x)(4x,6)(0,0)	(6x,8)(4,8)(0,0)(4,2x)		992277000	
	(4x,8x)(2,8x)(6x,4)(0,0)	(6x,8)(6,8x)(0,0)(0,4)		992281500	
	(4x,8x)(2,8)(4x,6x)(0,0)	(6x,8)(6,8)(0,0)(0,4x)		992283003	
	(4x,8x)(2,8)(6,4)(0,0)	(6x,8)(8,4x)(0,0)(2,4)		992286000	
	(4x,8x)(6x,2x)(6,6)(0,0)	(6x,8)(8,4x)(0,0)(4x,2x)			
	(4x,8x)(6x,2x)(6x,6x)(0,0)	(6x,8)(8,6x)(0,0)(0,4)			
	(4x,8x)(6x,8x)(0,6)(0,0)	(6x,8)(8,8)(0,0)(0,2x)			
	(4x,8x)(6x,8)(0,6x)(0,0)	(8,8)(2,2)(6,6)(0,0)			
	(4x,8x)(8,2x)(4x,6)(0,0)	(8,8)(2,2)(6x,6x)(0,0)			
	(4x,8x)(8,2x)(6x,4)(0,0)	(8,8)(2,8x)(6x,0)(0,0)			
	(4x,8x)(8,6)(0,6)(0,0)				
	(4x,8x)(8,8)(0,4)(0,0)				
	(4x,8x)(8x,2x)(4x,6x)(0,0)				
	(4x,8x)(8x,2x)(6,4)(0,0)				
	(4x,8x)(8x,6)(0,6x)(0,0)				
	(4x,8x)(8x,8x)(0,4)(0,0)				
	(4x,8)(2,6x)(6,6)(0,0)				
	(4x,8)(2,6x)(6x,6x)(0,0)				
	(4x,8)(2,8x)(4,6)(0,0)				
	(4x,8)(2,8x)(6x,4x)(0,0)				
	(4x,8)(2,8)(4,6x)(0,0)				

5objects

3 up

77722	8992223	(4x,8x)(6x,8x)(2,2)	(4x,6)(4,8x)(6x,8x)(2,2)
78622	8992241	(4x,8x)(8,6)(2,2)	(4x,6)(4,8x)(8,6)(2,2)
86722	9447722	(4x,8)(6,8x)(2,2)	(4x,6)(4,8)(6,8x)(2,2)
88522	9448622	(4x,8)(8,6x)(2,2)	(4x,6)(4,8)(8,6x)(2,2)
96622	9468224	(4x,ax)(6,6)(2,2)	(4x,6)(8,4x)(6x,8x)(2,2)
97522	9483722	(4x,ax)(6x,6x)(2,2)	(4x,6)(8,4x)(8,6)(2,2)
778224	9488222	(8,4)(6x,8x)(2,2)	(4x,6)(8,8)(2,8x)(2,2)
788223	9493622	(8,4)(8,6)(2,2)	(4x,6)(8,8)(8,2x)(2,2)
796224	9495224	(8,8)(2x,8x)(2,2)	(4x,6)(8x,4x)(6,8x)(2,2)
797223	9497222	(8,8)(8,2)(2,2)	(4x,6)(8x,4x)(8,6x)(2,2)
847722	9537722	(8,ax)(2x,6)(2,2)	(4x,6)(8x,8x)(2,8x)(2,2)
848622	9538622	(8,ax)(6x,2)(2,2)	(4x,6)(8x,8x)(8,2x)(2,2)
868224	9582722	(8x,4)(6,8x)(2,2)	(4x,8x)(6x,8)(2,2)(4,6x)
883722	9588122	(8x,4)(8,6x)(2,2)	(4x,8x)(6x,8)(2,2)(6,4x)
888222	9592622	(8x,ax)(2x,6x)(2,2)	(4x,8x)(8,8)(2,2)(2x,6x)
893622	9597122	(8x,ax)(6,2)(2,2)	(4x,8x)(8,8)(2,2)(6,2)
895224	9682262	(a,4)(6,6)(2,2)	(4x,8x)(8x,6)(2,2)(4,6x)
897222	9692234	(a,4)(6x,6x)(2,2)	(4x,8x)(8x,6)(2,2)(6,4x)
946722	9692252	(a,8x)(2x,6)(2,2)	(4x,8x)(8x,8x)(2,2)(2x,6x)
948522	9738224	(a,8x)(6x,2)(2,2)	(4x,8x)(8x,8x)(2,2)(6,2)
968223	9782261	(a,8)(2x,6x)(2,2)	(4x,8)(6,8)(2,2)(4,6x)
973722	9792224	(a,8)(6,2)(2,2)	(4x,8)(6,8)(2,2)(6,4x)
978222	9792251		(4x,8)(8,8)(2,2)(2,6x)
993522	9933722		(4x,8)(8,8)(2,2)(6,2x)
995223	9938222		(4x,8)(8x,6x)(2,2)(4,6x)
996222	9942722		(4x,8)(8x,6x)(2,2)(6,4x)
6837722	9948122		(4x,8)(8x,8x)(2,2)(2,6x)
6838622	9952262		(4x,8)(8x,8x)(2,2)(6,2x)
6882722	9962261		(6,6)(2x,8x)(6x,8x)(2,2)
6888122	9992222		(6,6)(2x,8x)(8,6)(2,2)
6892622	9992231		(6,6)(2x,8)(6,8x)(2,2)
6897122	9993122		(6,6)(2x,8)(8,6x)(2,2)
6936722			(6,6)(8,2)(6x,8x)(2,2)
6938522			(6,6)(8,2)(8,6)(2,2)
6972722			(6,6)(8,8)(8,0)(2,2)
6978122			(6,6)(8x,2)(6,8x)(2,2)
6992522			(6,6)(8x,2)(8,6x)(2,2)
6996122			(6,6)(8x,8x)(8,0)(2,2)
7782263			(8,8)(2x,8)(2,2)(4,6x)
7882262			(8,8)(2x,8)(2,2)(6,4x)
7892234			(8,8)(8x,2)(2,2)(4,6x)
7892252			(8,8)(8x,2)(2,2)(6,4x)
7962263			
7972262			
7992233			
7992242			
8478224			
8488223			
8496224			
8497223			
8682263			
8692244			
8692253			
8838224			
8882261			
8892224			
8892251			
8938223			
8952263			
8972261			

5objects

5 up

5 Exchange

7777700	77778004	(4x,8x)(6x,8x)(6x,8x)(0,0)	79922722	86822838622	(4x,6)(4,ax)(8x,ax)(2,2)(2,2)
7778600	77788003	(4x,8x)(6x,8x)(8,6)(0,0)	779227722	86822888122	(4x,6)(4,ax)(a,8)(2,2)(2,2)
7786700	77796004	(4x,8x)(6x,8)(6,8x)(0,0)	799228224	86822892622	(4x,6)(4,a)(8,ax)(2,2)(2,2)
7788500	77797003	(4x,8x)(6x,8)(8,6x)(0,0)	849922722	86822897122	(4x,6)(4,a)(a,8x)(2,2)(2,2)
7796600	77868004	(4x,8x)(8,6)(6x,8x)(0,0)	869228622	86822978122	(4x,6)(a,4x)(8x,ax)(2,2)(2,2)
7797500	77888002	(4x,8x)(8,6)(8,6)(0,0)	6839922722	86822992522	(4x,6)(a,4x)(a,8)(2,2)(2,2)
7867700	77895004	(4x,8x)(8,8)(4x,8x)(0,0)	7992282263	86822996122	(4x,6)(a,a)(2,ax)(2,2)(2,2)
7868600	77897002	(4x,8x)(8,8)(8,4)(0,0)	8499228224	86922882262	(4x,6)(a,a)(a,2x)(2,2)(2,2)
7885700	77968003	(4x,8x)(8x,6)(6,8x)(0,0)	8692288223	86922892234	(4x,6)(ax,4x)(8,ax)(2,2)(2,2)
7888400	77978002	(4x,8x)(8x,6)(8,6x)(0,0)	8692296224	86922892252	(4x,6)(ax,4x)(a,8x)(2,2)(2,2)
7895600	77995003	(4x,8x)(8x,8x)(4x,8x)(0,0)	8692297223	86922962263	(4x,6)(ax,ax)(2,ax)(2,2)(2,2)
7897400	77996002	(4x,8x)(8x,8x)(8,4)(0,0)	8839228622	86922972262	(4x,6)(ax,ax)(a,2x)(2,2)(2,2)
7966700	78678004	(4x,8)(6,8x)(6x,8x)(0,0)	9449922722	88392288223	(4x,8x)(6x,a)(2,2)(6,8x)(2,2)
7968500	78688003	(4x,8)(6,8x)(8,6)(0,0)	9469228622	88392296224	(4x,8x)(6x,a)(2,2)(8,6x)(2,2)
7975700	78696004	(4x,8)(6,8)(6,8x)(0,0)	9539922722	88392297223	(4x,8x)(a,a)(2,2)(2x,8x)(2,2)
7978400	78697003	(4x,8)(6,8)(8,6x)(0,0)	9739228622	99522926722	(4x,8x)(a,a)(2,2)(8,2)(2,2)
7995500	78858004	(4x,8)(8,6x)(6x,8x)(0,0)	66829922722	99522928522	(4x,8x)(ax,6)(2,2)(6,8x)(2,2)
7996400	78888001	(4x,8)(8,6x)(8,6)(0,0)	68829228622	99522971722	(4x,8x)(ax,6)(2,2)(8,6x)(2,2)
8677700	78894004	(4x,8)(8,8)(4,8x)(0,0)	69349922722	99522978022	(4x,8x)(ax,ax)(2,2)(2x,8x)(2,2)
8678600	78897001	(4x,8)(8,8)(8,4x)(0,0)	69369228622	99522991522	(4x,8x)(ax,ax)(2,2)(8,2)(2,2)
8686700	78958003	(4x,8)(8x,6x)(6,8x)(0,0)	69529922722	99522996022	(4x,8)(6,ax)(2,2)(6x,8x)(2,2)
8688500	78978001	(4x,8)(8x,6x)(8,6x)(0,0)	69729228622		(4x,8)(6,ax)(2,2)(8,6)(2,2)
8696600	78994003	(4x,8)(8x,8x)(4,8x)(0,0)	77822888122		(4x,8)(a,6x)(2,2)(6x,8x)(2,2)
8697500	78996001	(4x,8)(8x,8x)(8,4x)(0,0)	77822892622		(4x,8)(a,6x)(2,2)(8,6)(2,2)
8857700	79668004	(8,8)(2x,8x)(6x,8x)(0,0)	77822897122		(4x,8)(a,a)(2,2)(2,8x)(2,2)
8858600	79688002	(8,8)(2x,8x)(8,6)(0,0)	77822938522		(4x,8)(a,a)(2,2)(8,2x)(2,2)
8884700	79695004	(8,8)(2x,8)(6,8x)(0,0)	77822978122		(4x,6)(4,8x)(6x,a)(2,2)(6,8x)(2,2)
8888300	79697002	(8,8)(2x,8)(8,6x)(0,0)	77822992522		(4x,6)(4,8x)(6x,a)(2,2)(8,6x)(2,2)
8894600	79758004	(8,8)(8,2)(6x,8x)(0,0)	77822996122		(4x,6)(4,8x)(a,a)(2,2)(2x,8x)(2,2)
8897300	79788001	(8,8)(8,2)(8,6)(0,0)	78822881722		(4x,6)(4,8x)(a,a)(2,2)(8,2)(2,2)
8956700	79794004	(8,8)(8,8)(8,0)(0,0)	78822888022		(4x,6)(4,8x)(ax,6)(2,2)(6,8x)(2,2)
8958500	79797001	(8,8)(8x,2)(6,8x)(0,0)	78822897022		(4x,6)(4,8x)(ax,6)(2,2)(8,6x)(2,2)
8974700	79958002	(8,8)(8x,2)(8,6x)(0,0)	78822926722		(4x,6)(4,8)(6,ax)(2,2)(6x,8x)(2,2)
8978300	79968001	(8,8)(8x,8x)(8,0)(0,0)	78822928522		(4x,6)(4,8)(6,ax)(2,2)(8,6)(2,2)
8994500	79994002		78822971722		(4x,6)(4,8)(a,6x)(2,2)(6x,8x)(2,2)
8996300	79995001		78822978022		(4x,6)(4,8)(a,6x)(2,2)(8,6)(2,2)
9667700	84777700		78822991522		(4x,6)(4,8)(a,a)(2,2)(2,8x)(2,2)
9668600	84778600		78822996022		(4x,6)(4,8)(a,a)(2,2)(8,2x)(2,2)
9685700	84786700		79622882722		(4x,6)(4,ax)(a,a)(2,2)(2,2)(2x,6x)
9688400	84788500		79622888122		(4x,6)(4,ax)(a,a)(2,2)(2,2)(6,2)
9695600	84796600		79622892622		
9697400	84797500		79622897122		
9757700	84867700		79622936722		
9758600	84868600		79622938522		
9784700	84885700		79622972722		
9788300	84888400		79622978122		
9794600	84895600		79622992522		
9797300	84897400		79622996122		
9955700	84966700		79722881722		
9958400	84968500		79722888022		
9964700	84975700		79722891622		
9968300	84978400		79722897022		
9994400	84995500		79722926722		
9995300	84996400		79722928522		
	86778004		79722971722		
	86788003		79722978022		
	86796004		79722991522		
	86797003		79722996022		
	86868004		79922822662		
	86888002		79922822752		
	86895004		84992282263		
	86897002				



