

Spin	Cycle	Repeat Position	Cycle Length Minus Repeat	Defining D	S	D	174	67%	Spin
	3			3					36
	2 2 3			3 S					22
	1 1 2 3			3 S					8
	3	3	3	3 S					33
	3	3	1	3 S			260		25
	2 2 3			3 S					15
	1 1 2 3			3 S					8
	3	3	3	3 S					31
	2 2 3			3 S					22
	1 1 2 3			3 S					9
	3	3	3	2 D					25
	2 2 3			2 S					22
	1 1 2 3			2 S					9
	3	3	3	2 S					35
	3	3	1	1					26
	3	3	1	1					30
	1 1 3			2 S					4
	2 2 1 3			2 S					13
	3	3	3	3 D					31
	2 2 3			3 S					23
	1 1 2 3			3 S					2
	3	3	3	3 S					34
	2 2 3			1 D					23
	2	2	1	2					22
	3 3 2			1 S					34
	2	2	2	2					16
	2	2	1	1					23
	3 3 2			2 D					25
	1 1 3 2			2 S					9
	2	2	3	3					17
	2	2	1	1					22
	2	2	1	1					15
	2	2	1	1					17
	1 1 2			1 S					2
	2	2	2	2					21
	1 1 2			3 D					5
	3 3 1 2			1 D					34
	3	3	1	3					33
	1 1 3			1 S					2
	3	3	2	2					34
	3	3	1	1					26
	3	3	1	1					25
	1 1 3			2 S					9
	2 2 1 3			2 S					21
	1	1	2	3					10
	3 3 1			3 D					36
	1	1	2	2					11
	1	1	1	1					12
	3 3 1			1 S					31
	3	3	1	2					26
	1 1 3			1 S					8
	3	3	2	2					25
	2 2 3			2 S					23
	2	2	1	2					20
	2	2	1	1					23
	3 3 2			3 D					25
	1 1 3 2			3 S					10
	2	2	3	3					21
	3 3 2			2 D					26
	2	2	2	2					23
	3 3 2			2 S					25
	2	2	2	2 S					16
	1 1 2			1 D					3
	1	1	1	2					5
	2 2 1			3 S					15
	3 3 2 1			3 S					36
	1	1	3	3					9
	1	1	1	1					11
	3 3 1			3 S					32
	3	3	1	2					35
	1 1 3			3 S					2
	2 2 1 3			3 S					24
	1	1	2	3					8
	3 3 1			3 S					25
	1	1	2	2					3
	2 2 1			2 D					20
	1	1	2	2					11
	3 3 1			1 D					30
	2 2 3 1			1 S					17
	1	1	3	3					10
	2 2 1			1 D					19
	3 3 2 1			1 S					31
	2	2	2	3					19
	1 1 2			1 S					9
	2	2	2	2					21
	3 3 2			3 D					26
	2	2	2	2					17
	3 3 2			1 D					28
	2	2	2	2					13
	2	2	1	1					22
	3 3 2			3 D					31
	3	3	1	2					33
	1 1 3			2 D					4
	1	1	1	2					6
	1	1	1	1					7
	1	1	1	1					9
	2 2 1			1 D					20
	1	1	2	2					2
	3 3 1			1 S					28
	1	1	2	2					3
	2 2 1			1 S					17
	2	2	1	2					20
	3 3 2			1 S					35
	2	2	2	2					22
	1 1 2			3 D					5
	2	2	2	2					13
	1 1 2			3 D					3
	2	2	2	2					30
	3 3 2			2 S					14
	3	3	1	2					25
	3	3	1	1					27
	1 1 3			2 S					8
	2 2 1 3			2 S					13

In the example with the "defining dozens" of Priyanka she gave a very, very nice example of dependency:

P(next dozen=previous defining dozen | repeat) > P(next dozen=previous defining dozen)

3	3	3	2 5	30
2 2 3			2 5	23
2	2	1	2 5	21
2	2	1	2 5	24
2	2	1	3 0	18
2	2	1	3 5	24
1 1 2			1 0	10
1	1	1	2 0	1
3 3 1			3 0	33
2 2 3 1			3 5	19
3	3	3	3 5	29
3	3	1	3 5	31
3	3	1	3 5	31
3	3	1	3 5	34
2 2 3			2 0	18
3	3	2	2 5	32
1 1 3			2 5	12
3	3	2	2 5	35
3	3	1	1 0	33
3	3	1	1 5	33
3	3	1	1 5	31
1 1 3			3 0	7
2 2 1 3			1 0	22
3	3	3	1 5	34
2 2 3			3 0	22
3	3	2	3 5	32
2 2 3			2 0	13
1 1 2 3			2 5	7
1	1	1	2 5	11
3 3 1			2 5	25
2 2 3 1			2 5	17
2	2	1	2 5	19
3 3 2			2 5	31
2	2	2	2 5	14
1 1 2			1 0	9
1	1	1	2 0	5
3 3 1			2 5	25
1	1	2	1 0	1
3 3 1			1 5	33
3	3	1	1 5	36
1 1 3			1 5	4
1	1	2	3 0	11
1	1	1	3 5	8
1	1	1	3 5	8
2 2 1			2 0	21
3 3 2 1			2 5	30
1	1	3	2 5	1
1	1	1	2 5	7
3 3 1			3 0	25
3	3	2	3 5	26
3	3	1	3 5	35
2 2 3			3 5	15
1 1 2 3			3 5	2
1	1	1	2 0	1
2 2 1			2 5	20
2	2	2	2 5	18
1 1 2			3 0	10
3 3 1 2			3 5	27
2	2	3	3 5	18
3 3 2			1 0	28
3	3	1	1 5	34
3	3	1	3 0	31
2 2 3			3 5	20
1 1 2 3			3 5	7
2	2	2	3 5	24
3 3 2			3 5	34
1 1 3 2			3 5	6
3	3	2	1 0	25
2 2 3			2 0	21
3	3	2	3 0	36
2 2 3			3 5	22
3	3	2	1 0	31
1 1 3			1 5	12
2 2 1 3			1 5	19
1	1	3	2 0	1
1	1	1	2 5	7
1	1	1	2 5	5
2 2 1			2 5	14
1	1	2	2 5	10
1	1	1	3 0	7
1	1	1	2 0	7
1	1	1	2 5	1
3 3 1			2 5	25
2 2 3 1			2 5	24
3	3	2	1 0	28
2 2 3			1 5	20
2	2	2	1 5	22
2	2	1	3 0	19
3 3 2			3 5	25
3	3	1	1 0	25
2 2 3			1 5	14
1 1 2 3			2 0	6
2	2	3	2 5	17
2	2	1	2 5	13
1 1 2			2 5	11
3 3 1 2			3 0	28
1	1	2	3 5	9
2 2 1			2 0	17
2	2	2	2 5	16
3 3 2			3 0	35
2	2	2	3 5	18
2	2	1	2 0	23
2	2	1	3 0	19
2	2	1	3 5	23
2	2	1	3 5	17
1 1 2			2 0	2
2	2	2	3 0	14
1 1 2			1 0	7
3 3 1 2			2 0	34
3	3	3	2 5	34
3	3	1	2 5	30
1 1 3			2 5	10
1	1	2	1 0	1
2 2 1			3 0	17

2	2	1	2	2 D	23
3 3 2				2 S	31
3	3	1	2	2 S	26
3	3	1	1	2 S	32
3	3	1	1	2 S	36
1 1 3				2 S	3
3	3	2	2	2 S	33
1 1 3				1 D	3
2 2 1 3				1 S	18
3	3	3	3	2 D	29
1 1 3				3 D	1
3	3	2	2	3 S	33
2 2 3				3 S	14
2	2	1	2	3 S	24
2	2	1	1	3 S	18
1 1 2				3 S	2
3 3 1 2				3 S	35
2	2	3	3	3 S	13
2	2	1	1	1 D	18
1 1 2				3 D	10
1	1	1	2	3 S	4
1	1	1	1	3 S	4
1	1	1	1	3 S	4
3 3 1				3 S	33
3	3	1	2	3 S	35
1 1 3				3 S	10
2 2 1				3 S	12
3 3 2 1				1 D	19
1	1	3	3	1 S	28
3 3 1				1 S	10
2 2 3 1				1 S	25
3	3	2	3	2 D	18
2 2 3				1 D	25
3	3	2	2	2 D	21
2 2 3				1 D	27
2	2	1	2		15
3 3 2					14
2	2	2	2		34
1 1 2					20
2	2	2	2		11
2	2	2	2		20
2	2	1	1		15
3 3 2					27
1 1 3 2					12
2	2	3	3		14
1 1 2					11
2	2	2	2		22
2	2	1	1		14
2	2	1	1		16
1 1 2					3
3 3 1 2					31
1	1	2	3		9
2 2 1					16
2	2	1	2		20
3 3 2					30
1 1 3 2					6
2	2	3	3		20
1 1 2					4
1	1	1	2		4
1	1	1	1		10
1	1	1	1		10
2 2 1					22
1	1	2	2		5
3 3 1					33
3	3	1	2		25
2 2 3					20
3	3	2	2		34
3	3	1	1		25
2 2 3					17
2	2	1	2		22
3 3 2					25
2	2	2	2		16
2	2	1	2		20
2	2	1	1		21
1 1 2					3
3 3 1 2					29
3	3	1	3		26
1 1 3					10
3	3	2	2		33
2 2 3					13
1 1 2 3					9
3	3	3	3		26
3	3	1	1		25
3	3	1	1		31
2 2 3					23
2	2	1	2		19
2	2	1	1		24
2	2	1	1		15
3 3 2					26
1 1 3 2					10
3	3	2	3		27
2 2 3					13
3	3	2	2		29
3	3	1	1		36
1 1 3					4
2 2 1 3					20
1	1	2	3		5
2 2 1					13
1	1	2	2		1
3 3 1					27
3	3	1	2		27
3	3	1	1		26
3	3	1	1		34
2 2 3					20
3	3	2	2		25
3	3	1	1		27
3	3	1	1		30
1 1 3					6
1	1	1	2		12
2 2 1					15
2	2	1	2		24
1 1 2					10
3 3 1 2					28
3	3	1	3		34

3	3	1	1	30
1 1 3				12
1	1	1	2	8
2 2 1				22
1	1	2	2	7
1	1	1	1	3
2 2 1				17
2	2	1	2	14
1 1 2				2
2	2	2	2	13
2	2	1	1	14
2	2	1	1	18
2	2	1	1	17
3 3 2				26
1 1 3 2				4
3	3	2	3	33
2 2 3				13
2	2	1	2	14
2	2	1	1	14
3 3 2				36
2	2	2	2	13
3 3 2				30
1 1 3 2				10
2	2	3	3	24
1 1 2				8
1	1	1	2	11
2 2 1				14
1	1	2	2	2
1	1	1	1	3
3 3 1				32
3	3	1	2	29
3	3	1	1	28
1 1 3				2
1	1	1	2	3
1	1	1	1	8
2 2 1				15
3 3 2 1				33
2	2	2	3	18
2	2	1	1	18
1 1 2				1
3 3 1 2				28
2	2	3	3	23
2	2	1	1	20
3 3 2				26
3	3	1	2	26
1 1 3				33
2 2 1 3				8
3	3	3	3	18
2 2 3				35
2	2	1	2	18
1 1 2				19
2	2	2	2	9
3 3 2				13
3	3	1	2	26
3	3	1	1	35
2 2 3				27
1 1 2 3				15
2	2	2	3	2
1 1 2				14
3 3 1 2				11
3	3	1	3	30
1 1 3				27
3	3	2	2	9
3	3	1	1	35
2 2 3				32
2	2	1	2	13
2	2	1	2	14
3 3 2				30
1 1 3 2				1
3	3	2	3	31
1 1 3				8
1	1	1	2	4
3 3 1				33
2 2 3 1				15
2	2	1	3	20
3 3 2				33
1 1 3 2				9
2	2	3	3	18
2	2	1	1	21
1 1 2				4
2	2	2	2	14
1 1 2				2
1	1	1	2	11
3 3 1				25
2 2 3 1				24
3	3	2	3	35
1 1 3				4
2 2 1 3				23
2	2	1	3	21
3 3 2				29
1 1 3 2				8
2	2	3	3	24
2	2	1	1	22
3 3 2				32
1 1 3 2				2
2	2	3	3	17
1 1 2				10
2	2	2	2	14
1 1 2				7
2	2	2	2	14
2	2	1	1	13
3 3 2				29
1 1 3 2				9
1	1	1	3	2
1	1	1	1	8
2 2 1				14
3 3 2 1				28
2	2	2	3	18
3 3 2				26
3	3	1	2	31
3	3	1	1	25
3	3	1	1	28
1 1 3				5
3	3	2	2	25
3	3	1	1	35

3	3	1	1	31
3	3	1	1	36
2 2 3				22
3	3	2	2	31
1 1 3				3
1	1	1	2	11
3 3 1				34
2 2 3 1				13
3	3	2	3	33
3	3	1	1	28
1 1 3				1
3	3	2	2	28
3	3	1	1	32
2 2 3				15
3	3	2	2	25
1 1 3				11
3	3	2	2	29
2 2 3				22
3	3	2	2	35
3	3	1	1	31
1 1 3				5
1	1	1	2	1
1	1	1	1	7
1	1	1	1	11
1	1	1	1	4
2 2 1				14
2	2	1	2	19
1 1 2				9
1	1	1	2	4
3 3 1				26
2 2 3 1				13
2	2	1	3	16
3 3 2				26