No more than two a's and no more than one b.

Σ^0 Σ^1 Σ^2 Σ^3 Σ^4 Σ^5

Λ	a	aa	aba	~~aa~~
	b	ab	baa	
		ba	aab	

$L = \{\Lambda, a, b, aa, ab, ba, aba, baa, aab\}$

Cardinality = 9

no more than two 0's and number of 1's are divisible by 2

Σ^0 Σ^1 Σ^2 Σ^3 Σ^4 Σ^5 Σ^6

			011		
Λ	0	00	~~00~~	0011	01111
		11	~~01~~	1100	10111
		~~01~~	10	1001	11011
		~~10~~	110	0110	11101
			101	1010	11110
				0101	01111
				1111	11010
					11001
					10111
					01101
					01110
					10101
					01010

~~14~~ 19

Cardinality = ~~35~~ 16.

$|w| < 5$

w does not end on 1 and number of 0's are divisible by 2

Σ^0	Σ^1	Σ^2	Σ^3	Σ^4
$\wedge$		00	010	0b00
			100	0110
				1100
				1010
				~~1000~~

Cardinality = 8

w contain at most 1 a and number of b's are divisible by 3. $|w| < 7$

Σ_0	Σ_1	Σ_2	Σ_3	Σ_4	Σ_5	Σ_6
$\wedge$	a		bbb	abbb		#
				babb		bbbbbbb
				bbab		
				bbba		

Cardinality = 8^2.