

Number of required components to represent each combination														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0	18	68	54	27	31	38	34	41	34	39	38	43	42	37
1	68	68	90	71	76	80	78	82	77	82	78	84	83	80
2	54	90	42	50	52	58	56	61	55	60	58	63	61	58
3	27	71	50	15	27	36	32	39	32	36	36	40	38	34
4	31	76	52	27	16	36	33	40	33	38	39	42	40	36
5	38	80	58	36	36	24	40	47	41	44	44	49	47	42
6	34	78	56	32	33	40	20	44	37	41	41	45	43	39
7	41	82	61	39	40	47	44	28	40	48	47	52	50	46
8	34	77	55	32	33	41	37	40	20	41	40	46	43	39
9	39	82	60	36	38	44	41	48	41	24	46	45	48	41
10	38	78	58	36	39	44	41	47	40	46	28	49	49	44
11	43	84	63	40	42	49	45	52	46	45	49	29	52	47
12	42	83	61	38	40	47	43	50	43	48	49	52	27	46
13	37	80	58	34	36	42	39	46	39	41	44	47	46	22

Label	
0	capital-common-countries
1	capital-world
2	city-in-state
3	currency
4	family
5	gram1-adjective-to-adverb
6	gram2-opposite
7	gram3-comparative
8	gram4-superlative
9	gram5-present-participle
10	gram6-nationality-adjective
11	gram7-past-tense
12	gram8-plural
13	gram9-plural-verbs

Color Meaning	
	Class alone
	$Combination = Sum$
	$0.9Sum < Combination < 1.1Sum$
	$Combination \leq 0.9Sum$
	$Combination \geq 1.1Sum$