

Number of required components to represent each combination														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0	19	78	60	36	34	40	38	44	40	42	44	46	45	39
1	78	78	105	88	88	92	90	95	92	93	92	96	95	92
2	60	105	46	62	59	65	63	68	65	66	68	70	68	64
3	36	88	62	22	37	45	43	48	45	46	46	50	47	43
4	34	88	59	37	17	40	38	43	40	41	44	46	43	39
5	40	92	65	45	40	25	45	51	47	48	49	52	50	46
6	38	90	63	43	38	45	23	48	46	46	47	51	47	44
7	44	95	68	48	43	51	48	29	46	51	52	56	53	49
8	40	92	65	45	40	47	46	46	25	48	49	52	49	45
9	42	93	66	46	41	48	46	51	48	26	51	48	51	44
10	44	92	68	46	44	49	47	52	49	51	30	55	54	49
11	46	96	70	50	46	52	51	56	52	48	55	31	55	51
12	45	95	68	47	43	50	47	53	49	51	54	55	29	49
13	39	92	64	43	39	46	44	49	45	44	49	51	49	24

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
	$Combination = Sum$
	$0.9Sum < Combination < 1.1Sum$
	$Combination \leq 0.9Sum$
	$Combination \geq 1.1Sum$