	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
2	12	1 3	123 4	12 45	123 456	123 56 7	123 456 78	123 4 6 789	23 456 789	3 45 789	456 789	56 89	6 789	7 9	89											
3				123	12 4	123 45	123 456	123 456 7	123 456 78	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	23 456 789	3 456 789	456 789	56 789	6 89	789				
4								123 4	123 5	123 456	123 456 7	123 456 78	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	23 456 789	3 456 789	456 789
5													123 45	123 4 6	123 456 7	123 456 78	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789
6																			123 456	123 45 7	123 456 78	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789
7																										123 456 7

	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
4	5 789	6 789															
5	123 456 789	123 456 789	123 456 789	23 456 789	3 456 789	4 6 789	56 789										
6	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	23 456 789	3 56 789	456 789						
7	123 456 8	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	123 456 789	2 456 789	3 456 789			
8								123 456 78	123 456 7 9	123 456 89	123 45 789	123 4 6 789	123 56 789	12 456 123	1 3 456 789	23 456 789	
9																	123 456 789

numbers in all squares can only be exactly one of these numbers

numbers in squares can only be one of these choices, no others (some won't be used)

numbers in squares can be **any** number, 1 to 9