	p = 10	p=20	p = 30	p = 40	p = 50	p = 60
n = 10	15	15	16	32	31	32
n=20	109	250	391	531	687	843
n = 30	609	1484	2468	3406	4469	5610
n = 40	2219	7391	12828	18219	24484	29625
n = 50	5500	17874	34078	49952	66749	82328
n = 60	12203	42625	87922	138906	192843	242734
n = 70	22734	81453	169250	286188	405500	536641
n = 80	46015	165875	350641	619921	911781	1202375
n = 90	92125	332641	708859	1262938	1894657	2525360
n = 100	159250	587282	1282610	2220610	3505532	4899657