Appendix 1:

Number of the Perfect Neighbourhood	Appearance of the Neighbourhood	Number of the dimensions	Cells number of the Neighbourhood	Number of rows in TT ("left" and "right") $m=m_0+m_1$	The number of legal configurations $c\,i_{14}=0$ (N_{01})	The number of legal configurations $c\,i_{14}=1$ (N_{04})	The total number of legal configurations Np $(=6*(N_{01}+N_{04}))$
1. (1,1)		1	2	9 = 4+5	36	45	$486=6*3^4$
2. (3,1)		1	3	27 = 8 +19	216	513	4374=6*36
3. (5,3)		1	4	117 = 20+97	5004	17289	133758
4. (7,3)		1	5	99 = 32+67	2784	5335	48714
5		2	4	81 = 16+65	50706	84159	809190
6		2	5	171 = 32+139	412938	905175	7908678
7		2	6	199=64+135	1068020	1689621	16545846