Table 1: The transition matrix $\tau(s_i'|s_i, s_j)$ of Model 1 starting from state $s_i = 1$ (upset)

s_i'	s_i	s_j	$\tau(s_i'|s_i, s_j)$	Illustration
-1	1	0	$1-a$	myself upset, spouse neutral $\rightarrow$ passive: not assertiveness
0	1	0	0	myself upset, spouse neutral $\rightarrow$ normal: not contemplated
1	1	0	$a/4$	myself upset, spouse neutral $\rightarrow$ upset: assertiveness
2	1	0	$3a/4$	myself upset, spouse neutral $\rightarrow$ violent: aggressiveness
-1	1	-1	$1-a$	myself upset, spouse passive $\rightarrow$ passive: not assertiveness
0	1	-1	0	myself upset, spouse passive $\rightarrow$ normal: not contemplated
1	1	-1	0	myself upset, spouse passive $\rightarrow$ upset: not contemplated
2	1	-1	a	myself upset, spouse passive $\rightarrow$ violent: aggressiveness
-1	1	1	$1-a$	myself upset, spouse upset $\rightarrow$ passive: not assertiveness
0	1	1	0	myself upset, spouse upset $\rightarrow$ normal: not contemplated
1	1	1	0	myself upset, spouse upset $\rightarrow$ upset: not contemplated
2	1	1	a	myself upset, spouse upset $\rightarrow$ violent: aggressiveness
-1	1	2	$1-a$	myself upset, spouse violent $\rightarrow$ passive: passivity
0	1	2	0	myself upset, spouse violent $\rightarrow$ normal: not contemplated
1	1	2	0	myself upset, spouse violent $\rightarrow$ upset: default
2	1	2	a	myself upset, spouse violent $\rightarrow$ violent: aggressiveness