

Table 1: The transition matrix $\tau_3(s'_i|s_i, s_j)$ of Model 2 starting from state $s_i = 1$ (upset)

s'_i	s_i	s_j	$\tau_3(s'_i s_i, s_j)$	Illustration
-1	1	0	s	myself upset, spouse neutral \rightarrow passive: support
0	1	0	0	myself upset, spouse neutral \rightarrow neutral: not contemplated
1	1	0	$1 - s$	myself upset, spouse neutral \rightarrow upset: lack of support
2	1	0	0	myself upset, spouse neutral \rightarrow violent: not contemplated
-1	1	-1	$1/2$	myself upset, spouse passive \rightarrow passive: may happen
0	1	-1	$1/2$	myself upset, spouse passive \rightarrow neutral: may happen
1	1	-1	0	myself upset, spouse passive \rightarrow upset: not contemplated
2	1	-1	0	myself upset, spouse passive \rightarrow violent: not contemplated
-1	1	1	s	myself upset, spouse upset \rightarrow passive: support
0	1	1	0	myself upset, spouse upset \rightarrow neutral: not contemplated
1	1	1	0	myself upset, spouse upset \rightarrow upset: not contemplated
2	1	1	$1 - s$	myself upset, spouse upset \rightarrow violent: lack of support
-1	1	2	0	myself upset, spouse violent \rightarrow passive: not contemplated
0	1	2	0	myself upset, spouse violent \rightarrow neutral: not contemplated
1	1	2	1	myself upset, spouse violent \rightarrow upset: default
2	1	2	0	myself upset, spouse violent \rightarrow violent: not contemplated