Table 1: The transition matrix $\tau_3(s_i'|s_i, s_j)$ of Model 2 starting from state $s_i = 0$
(normal)

s_i'	s_i	s_j	$\tau_3(s_i'|s_i, s_j)$	Illustration
-1	0	0	0	myself neutral, spouse neutral $\rightarrow$ passive: not contemplated
0	0	0	s	myself neutral, spouse neutral $\rightarrow$ neutral: support
1	0	0	$1 - s$	myself neutral, spouse neutral $\rightarrow$ upset: negative episode + lack of support
2	0	0	0	myself neutral, spouse neutral $\rightarrow$ violent: not contemplated
-1	0	-1	0	myself neutral, spouse passive $\rightarrow$ passive: not contemplated
0	0	-1	1	myself neutral, spouse passive $\rightarrow$ neutral: default
1	0	-1	0	myself neutral, spouse passive $\rightarrow$ upset: not contemplated
2	0	-1	0	myself neutral, spouse passive $\rightarrow$ violent: not contemplated
-1	0	1	0	myself neutral, spouse upset $\rightarrow$ passive: not contemplated
0	0	1	s	myself neutral, spouse upset $\rightarrow$ neutral: support
1	0	1	$1 - s$	myself neutral, spouse upset $\rightarrow$ upset: lack of support
2	0	1	0	myself neutral, spouse upset $\rightarrow$ violent: not contemplated
-1	0	2	0	myself neutral, spouse violent $\rightarrow$ passive: not contemplated
0	0	2	1	myself neutral, spouse violent $\rightarrow$ neutral: default
1	0	2	0	myself neutral, spouse violent $\rightarrow$ upset: not contemplated
2	0	2	0	myself neutral, spouse violent $\rightarrow$ violent: not contemplated