Pure epidemic	P_S	P_IR	P_R
values	0.8	0.6	0,0.5,1.0

Positive imitation (disease case)	values
P_S_base	0.8
P_IR_base	0.6
P_R	0.5
Threshold of imitation for **H** type	Tau = 0.5
Gain of imitation for **H** in **susceptible** state when density of **infected** neighbors is **greater** than threshold	a_1 = a_1 + 3.0
Gain of imitation for **H** in **susceptible** state when density of **infected** neighbors is **less** than threshold	a_1 = a_1
Threshold of imitation for **L** type	Tau = 0.5
Gain of imitation for **L** in **susceptible** state when density of **infected** neighbors is **greater** than threshold	a_1 = a_1 + 0.5
Gain of imitation for **L** in **susceptible** state when density of **infected** neighbors is **less** than threshold	a_1 = a_1
Self-awareness_**H**	a_2 = 10.0
Self-awareness_**L**	a_2 = 1.0
Weight of **imitation** in logarithmic pooling	w_1 = 0.5
Weight of **self-awareness** in logarithmic pooling	w_2 = 0.5

Positive and negative imitation (addiction case)	values
P_S_base	0.8
P_IR_base	0.6
P_R	0.5
Threshold of imitation for **H** type	Tau = 0.5
Gain of imitation for **H** in **susceptible** state when density of **infected** neighbors is **less** than threshold	a_1 = a_1
Gain of imitation for **H** in **susceptible** state when density of **infected** neighbors is **greater** than threshold	a_1 = a_1+ 3.0
Gain of imitation for **H** in **infected** state when density of **healthy** neighbors is **less** than threshold	a_1 = a_1
Gain of imitation for **H** in **infected** state when density of **healthy** neighbors is **greater** than threshold	a_1 = a_1+ 3.0
Threshold of imitation for **L** type	Tau = 0.5
Gain of imitation for **L** in **susceptible** state when density of **infected** neighbors is **less** than threshold	a_1 = a_1+ 0.5
Gain of imitation for **L** in **susceptible** state when density of **infected** neighbors is **greater** than threshold	a_1 = 0.2
Gain of imitation for **L** in **infected** state when density of **healthy** neighbors is **less** than threshold	a_1 = 0.2

Gain of imitation for **L** in **infected** state when density of **healthy** neighbors is **greater** than threshold	a_1 = a_1+ 0.5
Self-awareness_**H**	a_2 = 10.0
Self-awareness_**L**	a_2 = 1.0
Weight of **imitation** in logarithmic pooling	w_1 = 0.5
Weight of **self-awareness** in logarithmic pooling	w_2 = 0.5

Messages and imitation (rumor case)	values
P_S_base	0.8
P_IR_base	0.6
P_R	0.5
Threshold of perception by received **messages**	T = 20
Loss of **self-awareness** after T messages received	a_2 = a_2 - 1
Threshold of imitation for **H** type	Tau = 0.5
Gain of imitation for **H** in **susceptible** state when density of **infected** neighbors is **less** than threshold	a_1 = a_1
Gain of imitation for **H** in **susceptible** state when density of **infected** neighbors is **greater** than threshold	a_1 = a_1+ 3.0
Gain of imitation for **H** in **infected** state when density of **healthy** neighbors is **less** than threshold	a_1 = a_1
Gain of imitation for **H** in **infected** state when density of **healthy** neighbors is **greater** than threshold	a_1 = a_1+ 3.0
Threshold of imitation for **L** type	Tau = 0.5
Gain of imitation for **L** in **susceptible** state when density of **infected** neighbors is **less** than threshold	a_1 = a_1+ 0.5
Gain of imitation for **L** in **susceptible** state when density of **infected** neighbors is **greater** than threshold	a_1 = 0.2
Gain of imitation for **L** in **infected** state when density of **healthy** neighbors is **less** than threshold	a_1 = 0.2
Gain of imitation for **L** in **infected** state when density of **healthy** neighbors is **greater** than threshold	a_1 = a_1+ 0.5
Initial Self-awareness_**H**	a_2 = 10.0
Initial Self-awareness_**L**	a_2 = 1.0
Weight of **imitation** in logarithmic pooling	w_1 = 0.5
Weight of **self-awareness** in logarithmic pooling	w_2 = 0.5