

Exercise 6.4 - Solution

(a)

example	I_A	I_B	I_V	$I_{\#}$	I_*	I_g	I_n	I_b	T
1	0	0	1	2	1	1	0	0	1
2	0	1	0	3	0	0	0	1	0
3	0	1	0	1	0	0	1	0	0
4	1	0	0	2	1	0	0	1	1
5	1	0	0	1	0	1	0	0	1
6	0	0	1	3	1	0	0	1	1
7	0	1	0	1	0	1	0	0	1
8	0	0	1	2	0	0	0	1	0

(b)

attribute	encoding
brand	distributed
persons	local
attitude	local
parking	distributed
gender	local

(c)

	example	O	E	W_A	W_B	W_V	$W_{\#}$	W_*	W_g	W_n	W_b
initial.				+1	+1	+1	+1	+1	+1	+1	+1
epoch 1	1	1	0								
	2	1	-1		-1		-5				-1
	3	0	0								
	4	0	+1	+3			-1	+3			+1
	5	1	0								
	6	1	0								
	7	0	+1		+1		+1		+3		
	8	1	-1			-1	-3				-1
epoch 2	1	0	+1			+1	+1	+5	+5		
	2	1	-1		-1		-5				-3
	3	0	0								
	4	0	+1	+5			-1	+7			-1
	5	1	0								
	6	1	0								
	7	1	0								
	8	0	0								
epoch 3	1	1	0								
	2	0	0								
	3	0	0								
	4	1	0								
	5	1	0								
	6	1	0								
	7	1	0								
	8	0	0								

(Entries where the respective value remains unchanged are omitted.)