Appendix: set classic with housing sample

R. Montes, A.M. Sánchez, P. Villar and F. Herrera

July 11, 2016

		C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_9
A_1	TC_{24}	$\{s_3,s_4\}$	$\{s_2,s_3\}$	$\{s_4,s_5\}$	$\{s_5\}$	$\{s_6\}$	$\{s_3\}$	$\{s_5\}$	$\{s_2,s_3\}$	$\{s_5\}$
A_1	TC_{25}	$\{s_4\}$	$\{s_3\}$	$\{s_4\}$	$\{s_4,s_5\}$	$\{s_4,s_5,s_6\}$	$\{s_2,s_3\}$	$\{s_3,s_4,s_5,s_6\}$	$\{s_3,s_4\}$	$\{s_4\}$
A_1	TC_{26}	$\{s_4,s_5\}$	$\{s_2\}$	$\{s_3,s_4\}$	$\{s_3,s_4\}$	$\{s_5\}$	$\{s_4\}$	$\{s_4,s_5,s_6\}$	$\{s_3\}$	$\{s_6\}$
A_1	TC_{27}	$\{s_2,s_3\}$	$\{s_2\}$	$\{s_3,s_4\}$	$\{s_4\}$	$\{s_5\}$	$\{s_4\}$	$\{s_4\}$	$\{s_4\}$	$\{s_3\}$
A_1	TC_{28}	$\{s_3\}$	$\{s_2,s_3,s_4\}$	$\{s_2\}$	$\{s_3,s_4\}$	$\{s_4\}$	$\{s_3,s_4\}$	$\{s_3\}$	$\{s_3\}$	$\{s_4\}$
A_2	TC_{24}	$\{s_3\}$	$\{s_4\}$	$\{s_4\}$	$\{s_4\}$	$\{s_3\}$	$\{s_1,s_2,s_3\}$	$\{s_3\}$	$\{s_3,s_4\}$	$\{s_3\}$
A_2	TC_{25}	$\{s_4\}$	$\{s_5\}$	$\{s_4\}$	$\{s_3,s_4,s_5\}$	$\{s_0,s_1,s_2,s_3,s_4\}$	$\{s_2\}$	$\{s_2,s_3\}$	$\{s_4\}$	$\{s_2\}$
A_2	TC_{26}	$\{s_3,s_4\}$	$\{s_3,s_4\}$	$\{s_4,s_5\}$	$\{s_3,s_4\}$	$\{s_3,s_4\}$	$\{s_2\}$	$\{s_3\}$	$\{s_3\}$	$\{s_3\}$
A_2	TC_{27}	$\{s_4\}$	$\{s_3\}$	$\{s_4\}$	$\{s_5\}$	$\{s_3\}$	$\{s_2,s_3\}$	$\{s_3\}$	$\{s_4\}$	$\{s_4\}$
A_2	TC_{28}	$\{s_5\}$	$\{s_5\}$	$\{s_4\}$	$\{s_3\}$	$\{s_1,s_2\}$	$\{s_2\}$	$\{s_2,s_3,s_4\}$	$\{s_3\}$	$\{s_3\}$
A_3	TC_{24}	$\{s_1,s_2,s_3\}$	$\{s_3\}$	$\{s_3,s_4\}$	$\{s_2,s_3\}$	$\{s_3\}$	$\{s_3,s_4\}$	$\{s_1,s_2\}$	$\{s_4\}$	$\{s_2,s_3,s_4\}$
A_3	TC_{25}	$\{s_3\}$	$\{s_2,s_3,s_4\}$	$\{s_4\}$	$\{s_2\}$	$\{s_3\}$	$\{s_3\}$	$\{s_2,s_3\}$	$\{s_5\}$	$\{s_4\}$
A_3	TC_{26}	$\{s_4\}$	$\{s_3\}$	$\{s_5\}$	$\{s_3\}$	$\{s_4\}$	$\{s_3,s_4\}$	$\{s_3\}$	$\{s_5\}$	$\{s_3\}$
A_3	TC_{27}	$\{s_3\}$	$\{s_4\}$	$\{s_4\}$	$\{s_2\}$	$\{s_3\}$	$\{s_1,s_2\}$	$\{s_4\}$	$\{s_4\}$	$\{s_2,s_3,s_4\}$
A_3	TC_{28}	$\{s_3\}$	$\{s_4\}$	$\{s_4\}$	$\{s_4\}$	$\{s_5\}$	$\{s_3\}$	$\{s_4\}$	$\{s_4\}$	$\{s_3\}$
A_4	TC_{24}	$\{s_5\}$	$\{s_4,s_5\}$	$\{s_4,s_5\}$	$\{s_2,s_3,s_4\}$	$\{s_5\}$	$\{s_5\}$	$\{s_5\}$	$\{s_5\}$	$\{s_4\}$
A_4	TC_{25}	$\{s_4\}$	$\{s_4\}$	$\{s_3\}$	$\{s_3\}$	$\{s_4,s_5\}$	$\{s_4\}$	$\{s_3,s_4\}$	$\{s_3\}$	$\{s_3,s_4\}$
A_4	TC_{26}	$\{s_3,s_4\}$	$\{s_3,s_4,s_5,s_6\}$	$\{s_3\}$	$\{s_3\}$	$\{s_4\}$	$\{s_3,s_4\}$	$\{s_3,s_4,s_5,s_6\}$	$\{s_4\}$	$\{s_3,s_4\}$
A_4	TC_{27}	$\{s_5\}$	$\{s_4\}$	$\{s_4\}$	$\{s_1\}$	$\{s_3,s_4\}$	$\{s_3\}$	$\{s_4\}$	$\{s_3\}$	$\{s_2,s_3\}$
A_4	TC_{28}	$\{s_3\}$	$\{s_2\}$	$\{s_3,s_4\}$	$\{s_2,s_3,s_4\}$	$\{s_3,s_4\}$	$\{s_2\}$	$\{s_3,s_4\}$	$\{s_5\}$	$\{s_5\}$
A_5	TC_{24}	$\{s_2,s_3\}$	$\{s_2\}$	$\{s_3\}$	$\{s_2\}$	$\{s_2,s_3\}$	$\{s_3,s_4\}$	$\{s_0,s_1,s_2,s_3\}$	$\{s_4\}$	$\{s_4\}$
A_5	TC_{25}	$\{s_3\}$	$\{s_0,s_1,s_2,s_3\}$	$\{s_3,s_4\}$	$\{s_0,s_1,s_2,s_3\}$	$\{s_0,s_1,s_2,s_3\}$	$\{s_3\}$	$\{s_2,s_3\}$	$\{s_3,s_4,s_5,s_6\}$	$\{s_4,s_5\}$
A_5	TC_{26}	$\{s_2\}$	$\{s_1\}$	$\{s_3\}$	$\{s_2\}$	$\{s_3,s_4\}$	$\{s_3\}$	$\{s_2,s_3\}$	$\{s_5\}$	$\{s_4\}$
A_5	TC_{27}	$\{s_3,s_4\}$	$\{s_2\}$	$\{s_2,s_3,s_4\}$	$\{s_1,s_2\}$	$\{s_3,s_4\}$	$\{s_4\}$	$\{s_0,s_1,s_2,s_3\}$	$\{s_4\}$	$\{s_3,s_4,s_5,s_6\}$

Table 1: classic data set

		C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_9
E_{24}	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E_{25}	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E_{26}	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E_{27}	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E_{28}	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Table 2: housing example all weights the same (experts and criteria)

		C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_9
E_{24}	0.1	0.5	1.0	0.5	0.8	1.0	1.0	1.0	0.8	0.2
E_{25}	0.4	0.3	0.9	0.6	0.9	0.7	0.6	0.2	0.4	0.4
E_{26}	0.6	1.0	1.0	0.5	0.8	0.5	0.5	0.7	0.8	0.6
E_{27}	0.8	0.9	0.8	0.8	0.8	0.7	1.0	1.0	0.7	0.8
E_{28}	1.0	0.9	0.5	0.5	1.0	0.3	0.9	1.0	0.9	1.0

Table 3: housing example all weights different (for experts and criteria)

		C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_9
E_{24}	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E_{25}	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E_{26}	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E_{27}	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E_{28}	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Table 4: housing example same weights for criteria different for experts

		C_1	C_2	C_3	C_4	C_5	C_6	C_7	C_8	C_9
E_{24}	1.0	0.5	1.0	0.5	0.8	1.0	1.0	1.0	0.8	0.2
E_{25}	1.0	0.3	0.9	0.6	0.9	0.7	0.6	0.2	0.4	0.4
E_{26}	1.0	1.0	1.0	0.5	0.8	0.5	0.5	0.7	0.8	0.6
E_{27}	1.0	0.9	0.8	0.8	0.8	0.7	1.0	1.0	0.7	0.8
E_{28}	1.0	0.9	0.5	0.5	1.0	0.3	0.9	1.0	0.9	1.0

Table 5: housing example same weights the same for experts and different for criteria