Нечеткие множества

Определить результат действий над нечеткими множествами.

Задача 10.53 $A = 0.6/a + 0.2/b + 0.6/c + 0.7/d;$ $B = 0.7/a + 0.1/b + 0.9/c + 0.2/d;$ $C = 0.6/a + 0.6/b + 0.1/c + 0.2/d;$ $X = \bar{A} \cap B, \quad Y = \mathrm{CON}\,(A) \cup C$ $X \cap Y =?$ 10.2	**Задача** 10.54 $A = 0.4/a + 0.6/b + 0.2/c + 0.8/d;$ $B = 0.8/a + 0.4/b + 0.7/c + 0.6/d;$ $C = 0.4/a + 0.2/b + 0.4/c + 0.6/d;$ $X = \bar{A} \cap B, \quad Y = \mathrm{CON}(A \hat{+} C),$ $X \cup Y =?$ 10.2
Задача 10.55 $A = 0.1/a + 0.4/b + 0.8/c + 0.3/d;$ $B = 0.3/a + 0.7/b + 0.4/c + 0.3/d;$ $C = 0.1/a + 0.8/b + 0.7/c + 0.3/d;$ $X = A \cup \bar{B}, \quad Y = \mathrm{CON}(A \hat{+} C),$ $\bar{X} \cap Y =?$ 10.2	**Задача** 10.56 $A = 0.6/a + 0.6/b + 0.3/c + 0.1/d;$ $B = 0.1/a + 0.2/b + 0.7/c + 0.1/d;$ $C = 0.6/a + 0.3/b + 0.2/c + 0.1/d;$ $X = \bar{A} \cap B, \quad Y = \mathrm{CON}(A \hat{+} C),$ $X \cup Y =?$ 10.2
Задача 10.57 $A = 0.7/a + 0.6/b + 0.4/c + 0.6/d;$ $B = 0.6/a + 0.9/b + 0.1/c + 0.3/d;$ $C = 0.7/a + 0.4/b + 0.9/c + 0.3/d;$ $X = \bar{A} \cup B, \quad Y = \mathrm{CON}(A \hat{+} C),$ $X \cap Y =?$ 10.2	**Задача** 10.58 $A = 0.3/a + 0.7/b + 0.3/c + 0.7/d;$ $B = 0.7/a + 0.4/b + 0.6/c + 0.3/d;$ $C = 0.3/a + 0.3/b + 0.4/c + 0.3/d;$ $X = A \cup \bar{B}, \quad Y = \mathrm{DIL}(CB),$ $X \cup Y =?$ 10.2
Задача 10.59 $A = 0.2/a + 0.9/b + 0.4/c + 0.7/d;$ $B = 0.7/a + 0.1/b + 0.4/c + 0.3/d;$ $C = 0.2/a + 0.4/b + 0.1/c + 0.3/d;$ $X = A \cup \bar{B}, \quad Y = \mathrm{DIL}(CB),$ $X \cap Y =?$ 10.2	**Задача** 10.60 $A = 0.3/a + 0.6/b + 0.2/c + 0.8/d;$ $B = 0.8/a + 0.4/b + 0.8/c + 0.2/d;$ $C = 0.3/a + 0.2/b + 0.4/c + 0.2/d;$ $X = A \cup \bar{B}, \quad Y = \mathrm{CON}(A \hat{+} C),$ $X \cup Y =?$ 10.2
Задача 10.61 $A = 0.9/a + 0.2/b + 0.1/c + 0.7/d;$ $B = 0.7/a + 0.3/b + 0.4/c + 0.7/d;$ $C = 0.9/a + 0.1/b + 0.3/c + 0.7/d;$ $X = \bar{A} \cup B, \quad Y = \mathrm{CON}\,(A) \cup C$ $X \cup Y =?$ 10.2	**Задача** 10.62 $A = 0.1/a + 0.5/b + 0.3/c + 0.4/d;$ $B = 0.4/a + 0.4/b + 0.4/c + 0.8/d;$ $C = 0.1/a + 0.3/b + 0.4/c + 0.8/d;$ $X = A \cup \bar{B}, \quad Y = \mathrm{CON}(A \hat{+} C),$ $X \cup Y =?$ 10.2
Задача 10.63 $A = 0.3/a + 0.2/b + 0.9/c + 0.7/d;$ $B = 0.7/a + 0.7/b + 0.3/c + 0.9/d;$ $C = 0.3/a + 0.9/b + 0.7/c + 0.9/d;$ $X = A \cup \bar{B}, \quad Y = \mathrm{CON}\,(A) \cup C$ $\bar{X} \cap Y =?$ 10.2	**Задача** 10.64 $A = 0.8/a + 0.4/b + 0.7/c + 0.9/d;$ $B = 0.9/a + 0.6/b + 0.5/c + 0.4/d;$ $C = 0.8/a + 0.7/b + 0.6/c + 0.4/d;$ $X = \bar{A} \cup B, \quad Y = \mathrm{CON}(A \hat{+} C),$ $\bar{X} \cap Y =?$ 10.2

Задача 10.65 $A = 0.9/a + 0.7/b + 0.3/c + 0.1/d;$ $B = 0.1/a + 0.1/b + 0.8/c + 0.4/d;$ $C = 0.9/a + 0.3/b + 0.1/c + 0.4/d;$ $X = \bar{A} \cup B, \quad Y = \text{DIL}(CB),$ $X \cup Y =?$ 10.2	**Задача** 10.66 $A = 0.9/a + 0.1/b + 0.9/c + 0.9/d;$ $B = 0.9/a + 0.6/b + 0.8/c + 0.6/d;$ $C = 0.9/a + 0.9/b + 0.6/c + 0.6/d;$ $X = \bar{A} \cup B, \quad Y = \text{CON}(A) \cup C$ $\bar{X} \cap Y =?$ 10.2
Задача 10.67 $A = 0.4/a + 0.9/b + 0.3/c + 0.9/d;$ $B = 0.9/a + 0.5/b + 0.2/c + 0.2/d;$ $C = 0.4/a + 0.3/b + 0.5/c + 0.2/d;$ $X = \bar{A} \cap B, \quad Y = \text{DIL}(CB),$ $X \cup Y =?$ 10.2	**Задача** 10.68 $A = 0.2/a + 0.4/b + 0.7/c + 0.6/d;$ $B = 0.6/a + 0.2/b + 0.1/c + 0.6/d;$ $C = 0.2/a + 0.7/b + 0.2/c + 0.6/d;$ $X = A \cup \bar{B}, \quad Y = \text{CON}(A \hat{+} C),$ $\bar{X} \cap Y =?$ 10.2
Задача 10.69 $A = 0.5/a + 0.1/b + 0.4/c + 0.4/d;$ $B = 0.4/a + 0.3/b + 0.3/c + 0.1/d;$ $C = 0.5/a + 0.4/b + 0.3/c + 0.1/d;$ $X = \bar{A} \cap B, \quad Y = \text{CON}(A) \cup C$ $X \cap Y =?$ 10.2	**Задача** 10.70 $A = 0.4/a + 0.9/b + 0.1/c + 0.7/d;$ $B = 0.7/a + 0.2/b + 0.3/c + 0.5/d;$ $C = 0.4/a + 0.1/b + 0.2/c + 0.5/d;$ $X = \bar{A} \cap B, \quad Y = \text{DIL}(CB),$ $X \cup Y =?$ 10.2
Задача 10.71 $A = 0.7/a + 0.2/b + 0.1/c + 0.5/d;$ $B = 0.5/a + 0.9/b + 0.6/c + 0.2/d;$ $C = 0.7/a + 0.1/b + 0.9/c + 0.2/d;$ $X = \bar{A} \cup B, \quad Y = \text{CON}(A) \cup C$ $X \cup Y =?$ 10.2	**Задача** 10.72 $A = 0.3/a + 0.4/b + 0.6/c + 0.6/d;$ $B = 0.6/a + 0.4/b + 0.4/c + 0.3/d;$ $C = 0.3/a + 0.6/b + 0.4/c + 0.3/d;$ $X = A \cup \bar{B}, \quad Y = \text{CON}(A \hat{+} C),$ $X \cap Y =?$ 10.2
Задача 10.73 $A = 0.4/a + 0.7/b + 0.3/c + 0.9/d;$ $B = 0.9/a + 0.7/b + 0.3/c + 0.5/d;$ $C = 0.4/a + 0.3/b + 0.7/c + 0.5/d;$ $X = \bar{A} \cap B, \quad Y = \text{DIL}(CB),$ $X \cup Y =?$ 10.2	**Задача** 10.74 $A = 0.2/a + 0.3/b + 0.9/c + 0.2/d;$ $B = 0.2/a + 0.4/b + 0.1/c + 0.2/d;$ $C = 0.2/a + 0.9/b + 0.4/c + 0.2/d;$ $X = A \cup \bar{B}, \quad Y = \text{CON}(A) \cup C$ $\bar{X} \cap Y =?$ 10.2
Задача 10.75 $A = 0.5/a + 0.9/b + 0.4/c + 0.8/d;$ $B = 0.8/a + 0.9/b + 0.5/c + 0.6/d;$ $C = 0.5/a + 0.4/b + 0.9/c + 0.6/d;$ $X = \bar{A} \cap B, \quad Y = \text{DIL}(CB),$ $X \cap Y =?$ 10.2	**Задача** 10.76 $A = 0.2/a + 0.8/b + 0.6/c + 0.4/d;$ $B = 0.4/a + 0.4/b + 0.1/c + 0.5/d;$ $C = 0.2/a + 0.6/b + 0.4/c + 0.5/d;$ $X = A \cup \bar{B}, \quad Y = \text{DIL}(CB),$ $X \cap Y =?$ 10.2
Задача 10.77 $A = 0.5/a + 0.4/b + 0.8/c + 0.6/d;$ $B = 0.6/a + 0.5/b + 0.8/c + 0.5/d;$ $C = 0.5/a + 0.8/b + 0.5/c + 0.5/d;$ $X = \bar{A} \cap B, \quad Y = \text{CON}(A \hat{+} C),$ $\bar{X} \cap Y =?$ 10.2	**Задача** 10.78 $A = 0.9/a + 0.7/b + 0.8/c + 0.2/d;$ $B = 0.2/a + 0.4/b + 0.5/c + 0.1/d;$ $C = 0.9/a + 0.8/b + 0.4/c + 0.1/d;$ $X = \bar{A} \cup B, \quad Y = \text{DIL}(CB),$ $\bar{X} \cap Y =?$ 10.2

Нечеткие множества

	X				Y				
53	0.4	0.1	0.4	0.2	0.6	0.6	0.36	0.49	$0.40/a+0.10/b+0.36/c+0.20/d$
54	0.6	0.4	0.7	0.2	0.41	0.46	0.27	0.85	$0.60/a+0.46/b+0.70/c+0.85/d$
55	0.7	0.4	0.8	0.7	0.04	0.77	0.88	0.26	$0.04/a+0.60/b+0.20/c+0.26/d$
56	0.1	0.2	0.7	0.1	0.7	0.52	0.2	0.04	$0.71/a+0.52/b+0.70/c+0.10/d$
57	0.6	0.9	0.6	0.4	0.83	0.58	0.88	0.52	$0.60/a+0.58/b+0.60/c+0.40/d$
58	0.3	0.7	0.4	0.7	0.46	0.35	0.49	0.3	$0.46/a+0.70/b+0.49/c+0.70/d$
59	0.3	0.9	0.6	0.7	0.37	0.2	0.2	0.3	$0.30/a+0.20/b+0.20/c+0.30/d$
60	0.3	0.6	0.2	0.8	0.26	0.46	0.27	0.7	$0.30/a+0.60/b+0.27/c+0.80/d$
61	0.7	0.8	0.9	0.7	0.9	0.1	0.3	0.7	$0.90/a+0.80/b+0.90/c+0.70/d$
62	0.6	0.6	0.6	0.4	0.04	0.42	0.34	0.77	$0.60/a+0.60/b+0.60/c+0.77/d$
63	0.3	0.3	0.9	0.7	0.3	0.9	0.81	0.9	$0.30/a+0.70/b+0.10/c+0.30/d$
64	0.9	0.6	0.5	0.4	0.92	0.67	0.77	0.88	$0.10/a+0.40/b+0.50/c+0.60/d$
65	0.1	0.3	0.8	0.9	0.3	0.17	0.28	0.4	$0.30/a+0.30/b+0.80/c+0.90/d$
66	0.9	0.9	0.8	0.6	0.9	0.9	0.81	0.81	$0.10/a+0.10/b+0.20/c+0.40/d$
67	0.6	0.1	0.2	0.1	0.6	0.39	0.32	0.2	$0.60/a+0.39/b+0.32/c+0.20/d$
68	0.4	0.8	0.9	0.6	0.13	0.67	0.58	0.7	$0.13/a+0.20/b+0.10/c+0.40/d$
69	0.4	0.3	0.3	0.1	0.5	0.4	0.3	0.16	$0.40/a+0.30/b+0.30/c+0.10/d$
70	0.6	0.1	0.3	0.3	0.53	0.14	0.24	0.5	$0.60/a+0.14/b+0.30/c+0.50/d$
71	0.5	0.9	0.9	0.5	0.7	0.1	0.9	0.25	$0.70/a+0.90/b+0.90/c+0.50/d$
72	0.4	0.6	0.6	0.7	0.26	0.58	0.58	0.52	$0.26/a+0.58/b+0.58/c+0.52/d$
73	0.6	0.3	0.3	0.1	0.6	0.46	0.46	0.5	$0.60/a+0.46/b+0.46/c+0.50/d$
74	0.8	0.6	0.9	0.8	0.2	0.9	0.81	0.2	$0.20/a+0.40/b+0.10/c+0.20/d$
75	0.5	0.1	0.5	0.2	0.63	0.6	0.67	0.6	$0.50/a+0.10/b+0.50/c+0.20/d$
76	0.6	0.8	0.9	0.5	0.28	0.49	0.2	0.5	$0.28/a+0.49/b+0.20/c+0.50/d$
77	0.5	0.5	0.2	0.4	0.56	0.77	0.81	0.64	$0.50/a+0.50/b+0.80/c+0.60/d$
78	0.2	0.4	0.5	0.8	0.42	0.57	0.45	0.1	$0.42/a+0.57/b+0.45/c+0.10/d$