

Нечеткие множества

Определить результат действий над нечеткими множествами.

Задача 10.1. *Бондаренко Е*

$$\begin{aligned}A &= 0.7/a + 0.8/b + 0.8/c + 0.5/d; \\B &= 0.5/a + 0.2/b + 0.9/c + 0.6/d; \\C &= 0.7/a + 0.8/b + 0.2/c + 0.6/d; \\X &= \bar{A} \cup B, \quad Y = \text{DIL}(CB), \\ \bar{X} \cap Y &=?\end{aligned}$$

Задача 10.2. *Жук Александр*

$$\begin{aligned}A &= 0.2/a + 0.8/b + 0.3/c + 0.1/d; \\B &= 0.1/a + 0.8/b + 0.4/c + 0.8/d; \\C &= 0.2/a + 0.3/b + 0.8/c + 0.8/d; \\X &= A \cup \bar{B}, \quad Y = \text{DIL}(CB), \\X \cup Y &=?\end{aligned}$$

Задача 10.3. *Камчатова Елена*

$$\begin{aligned}A &= 0.1/a + 0.8/b + 0.9/c + 0.3/d; \\B &= 0.3/a + 0.1/b + 0.2/c + 0.3/d; \\C &= 0.1/a + 0.9/b + 0.1/c + 0.3/d; \\X &= A \cup \bar{B}, \quad Y = \text{DIL}(CB), \\ \bar{X} \cap Y &=?\end{aligned}$$

Задача 10.4. *Кирик К*

$$\begin{aligned}A &= 0.9/a + 0.1/b + 0.1/c + 0.1/d; \\B &= 0.1/a + 0.6/b + 0.6/c + 0.5/d; \\C &= 0.9/a + 0.1/b + 0.6/c + 0.5/d; \\X &= \bar{A} \cup B, \quad Y = \text{CON}(A) \cup C \\X \cup Y &=?\end{aligned}$$

Задача 10.5. *Колотилин А*

$$\begin{aligned}A &= 0.8/a + 0.5/b + 0.3/c + 0.4/d; \\B &= 0.4/a + 0.4/b + 0.4/c + 0.5/d; \\C &= 0.8/a + 0.3/b + 0.4/c + 0.5/d; \\X &= \bar{A} \cup B, \quad Y = \text{CON}(A \hat{+} C), \\X \cup Y &=?\end{aligned}$$

Задача 10.6. *Ларионов Игорь*

$$\begin{aligned}A &= 0.8/a + 0.2/b + 0.7/c + 0.7/d; \\B &= 0.7/a + 0.1/b + 0.2/c + 0.6/d; \\C &= 0.8/a + 0.7/b + 0.1/c + 0.6/d; \\X &= \bar{A} \cup B, \quad Y = \text{CON}(A) \cup C \\ \bar{X} \cap Y &=?\end{aligned}$$

Задача 10.7. *Лёвкин Сергей*

$$\begin{aligned}A &= 0.6/a + 0.1/b + 0.7/c + 0.5/d; \\B &= 0.5/a + 0.9/b + 0.3/c + 0.7/d; \\C &= 0.6/a + 0.7/b + 0.9/c + 0.7/d; \\X &= \bar{A} \cap B, \quad Y = \text{CON}(A) \cup C \\ \bar{X} \cap Y &=?\end{aligned}$$

Задача 10.8. *Мальгин Сергей*

$$\begin{aligned}A &= 0.5/a + 0.1/b + 0.1/c + 0.4/d; \\B &= 0.4/a + 0.4/b + 0.7/c + 0.7/d; \\C &= 0.5/a + 0.1/b + 0.4/c + 0.7/d; \\X &= \bar{A} \cap B, \quad Y = \text{CON}(A) \cup C \\X \cup Y &=?\end{aligned}$$

Задача 10.9. *Панин Антон*

$$\begin{aligned}A &= 0.6/a + 0.3/b + 0.9/c + 0.7/d; \\B &= 0.7/a + 0.3/b + 0.7/c + 0.1/d; \\C &= 0.6/a + 0.9/b + 0.3/c + 0.1/d; \\X &= \bar{A} \cap B, \quad Y = \text{CON}(A) \cup C \\ \bar{X} \cap Y &=?\end{aligned}$$

Задача 10.10. *Плюхин Илья*

$$\begin{aligned}A &= 0.4/a + 0.5/b + 0.2/c + 0.6/d; \\B &= 0.6/a + 0.1/b + 0.4/c + 0.2/d; \\C &= 0.4/a + 0.2/b + 0.1/c + 0.2/d; \\X &= \bar{A} \cap B, \quad Y = \text{CON}(A \hat{+} C), \\X \cup Y &=?\end{aligned}$$

Задача 10.11. *Потанин А*

$$\begin{aligned}A &= 0.9/a + 0.7/b + 0.7/c + 0.8/d; \\B &= 0.8/a + 0.2/b + 0.5/c + 0.7/d; \\C &= 0.9/a + 0.7/b + 0.2/c + 0.7/d; \\X &= \bar{A} \cup B, \quad Y = \text{DIL}(CB), \\ \bar{X} \cap Y &=?\end{aligned}$$

Задача 10.12. *Родионова Н*

$$\begin{aligned}A &= 0.1/a + 0.9/b + 0.6/c + 0.1/d; \\B &= 0.1/a + 0.7/b + 0.4/c + 0.2/d; \\C &= 0.1/a + 0.6/b + 0.7/c + 0.2/d; \\X &= A \cup \bar{B}, \quad Y = \text{DIL}(CB), \\X \cap Y &=?\end{aligned}$$

Задача 10.13. *Синицына Диана*

$$\begin{aligned}A &= 0.4/a + 0.2/b + 0.7/c + 0.9/d; \\B &= 0.9/a + 0.6/b + 0.1/c + 0.2/d; \\C &= 0.4/a + 0.7/b + 0.6/c + 0.2/d; \\X &= \bar{A} \cap B, \quad Y = \text{CON}(A) \cup C \\X \cap Y &=?\end{aligned}$$

Задача 10.14. *Титов Игорь*

$$\begin{aligned}A &= 0.3/a + 0.7/b + 0.1/c + 0.6/d; \\B &= 0.6/a + 0.5/b + 0.7/c + 0.1/d; \\C &= 0.3/a + 0.1/b + 0.5/c + 0.1/d; \\X &= A \cup \bar{B}, \quad Y = \text{DIL}(CB), \\X \cup Y &=?\end{aligned}$$

Задача 10.15. *Ткешелашвили Г*

$$\begin{aligned}A &= 0.8/a + 0.9/b + 0.2/c + 0.5/d; \\B &= 0.5/a + 0.1/b + 0.5/c + 0.4/d; \\C &= 0.8/a + 0.2/b + 0.1/c + 0.4/d; \\X &= \bar{A} \cup B, \quad Y = \text{DIL}(CB), \\X \cup Y &=?\end{aligned}$$

Задача 10.16. *Гольденберг П.*

$$\begin{aligned}A &= 0.6/a + 0.2/b + 0.6/c + 0.7/d; \\B &= 0.7/a + 0.8/b + 0.8/c + 0.3/d; \\C &= 0.6/a + 0.6/b + 0.8/c + 0.3/d; \\X &= \bar{A} \cap B, \quad Y = \text{CON}(A) \cup C \\X \cap Y &=?\end{aligned}$$

Задача 10.17. *Пурмахомад Б.*

$$\begin{aligned}A &= 0.1/a + 0.9/b + 0.4/c + 0.2/d; \\B &= 0.2/a + 0.7/b + 0.3/c + 0.6/d; \\C &= 0.1/a + 0.4/b + 0.7/c + 0.6/d; \\X &= A \cup \bar{B}, \quad Y = \text{DIL}(CB), \\X \cap Y &=?\end{aligned}$$