Множества. Операции. Мощность.

Универсальное множество состоит из 26 строчных букв латинского алфавита.
Заданы множества A, B, C и D. Вычислить мощность множества X.

Задача Dm2.1. *1*
$A = \{a, c, j, l, o\}$,
$B = \{i, j, r, t\}$,
$C = \{c, d, r, y, z\}$,
$D = \{b, i, k, x, y\}$.
$X = (A \cap B) \cup (D \cap C)$.

Задача Dm2.2. *1*
$A = \{b, f, g, h, k, x\}$,
$B = \{e, f, g, n, q\}$,
$C = \{g, h, s, x, y\}$,
$D = \{a, e, j, u, v, z\}$.
$X = (A \backslash B) \cap (\overline{C} \cap D)$.

Задача Dm2.3. *1*
$A = \{c, f, j, m, t\}$,
$B = \{i, j, k, t, z\}$,
$C = \{e, f, p, q, s, w\}$,
$D = \{b, j, l, x, y\}$.
$X = (A \cap C) \cup (D \cap B)$.

Задача Dm2.4. *1*
$A = \{b, c, i, k, n, p\}$,
$B = \{g, h, n, t, x\}$,
$C = \{j, k, l\}$,
$D = \{a, g, h, o\}$.
$X = (A \cap C) \cup B$.

Задача Dm2.5. *1*
$A = \{b, c, j, o, s, u\}$,
$B = \{c, d, e, m, y\}$,
$C = \{p, q\}$,
$D = \{a, d, n, q, r, v, w\}$.
$X = (A \backslash B) \cap (C \cap D)$.

Задача Dm2.6. *1*
$A = \{b, d, k, o\}$,
$B = \{d, i, j, o, v, y\}$,
$C = \{c, d, f, j, k, m\}$,
$D = \{a, i, j\}$.
$X = (A \cap B) \cup (D \cap C)$.

Задача Dm2.7. *1*
$A = \{c, i, j, m, n, o\}$,
$B = \{e, f, o, s, y\}$,
$C = \{k, l, v, x\}$,
$D = \{b, e, h, m\}$.
$X = (A \backslash B) \cap (\overline{C} \cap D)$.

Задача Dm2.8. *1*
$A = \{a, g, o, r, v\}$,
$B = \{a, g, h, k, v\}$,
$C = \{n, o\}$,
$D = \{g, n, o, p, t, u\}$.
$X = (A \cap C) \cup B$.

Задача Dm2.9. *1*
$A = \{a, k, l, n, w\}$,
$B = \{j, k, m, n, x\}$,
$C = \{a, r, s, w, x\}$,
$D = \{j\}$.
$X = (A \cap C) \cup (D \cap B)$.

Задача Dm2.10. *1*
$A = \{b, c, g, h, i, y\}$,
$B = \{a, b, c, m, o\}$,
$C = \{i, j, p\}$,
$D = \{a, g, h, q, r, v, w\}$.
$X = (A \cup B) \cap D$.

Задача Dm2.11. *1*
$A = \{c, d, f, g\}$,
$B = \{c, d, j, n\}$,
$C = \{b, c, m, q, r\}$,
$D = \{b, c, e, r, s, w, x\}$.
$X = (A \cup B) \cap C$.

Задача Dm2.12. *1*
$A = \{c, f, i, j\}$,
$B = \{g, h, i, s, z\}$,
$C = \{e, f, l, p, q\}$,
$D = \{b, g, i, w, x\}$.
$X = (A \cap C) \cup B$.

Задача Dm2.13. *1*
$A = \{a, b, e, i, k, x\}$,
$B = \{b, d, e, l, p\}$,
$C = \{e, f, t, y, z\}$,
$D = \{d, h, p, q, u, v\}$.
$X = (A \backslash B) \cap (C \cap D)$.

Задача Dm2.14. *1*
$A = \{b, h, l, q, t\}$,
$B = \{b, h, i, l, t\}$,
$C = \{m, n\}$,
$D = \{a, h, k, p, q, s, u, v\}$.
$X = (A \backslash C) \cap \overline{B}$.

Задача Dm2.15. *1*
$A = \{b, c, f, k, n\}$,
$B = \{c, e, f, m, t\}$,
$C = \{g, h, y\}$,
$D = \{a, e, j, q, r, v, w\}$.
$X = (A \backslash B) \cap (\overline{C} \cap D)$.

Задача Dm2.16. *1*
$A = \{b, c, e, l\}$,
$B = \{b, c, f, l, v, w\}$,
$C = \{d, e, h, m, n\}$,
$D = \{a, b, d, z\}$.
$X = (A \cup D) \cap C$.

Задача Dm2.17. *1*
$A = \{b, h, i, j, k, n\}$,
$B = \{b, c, i, s\}$,
$C = \{i, j, u, v\}$,
$D = \{a, b, g, i, w, x\}$.
$X = (A \cup D) \cap C$.

Задача Dm2.18. *1*
$A = \{a, e, g, m, o, w\}$,
$B = \{e, h, i, o\}$,
$C = \{o, p, v\}$,
$D = \{h, n, s, t, v, x, y\}$.
$X = (A \backslash C) \cap \overline{B}$.

<table>
<tr><td>

Задача Dm2.19. *1*
$A = \{b, e, i, m, o, v\}$,
$B = \{e, g, h, o, x\}$,
$C = \{p, q\}$,
$D = \{a, g, n, s, t, u, x, y\}$.
$X = (A \cap C) \cup B$.

</td><td>

Задача Dm2.20. *1*
$A = \{a, c, d, j, o, y\}$,
$B = \{e, i, j, o, x, y\}$,
$C = \{c, d, j, k, n, z\}$,
$D = \{b, i\}$.
$X = (A \cap B) \cup (D \cap C)$.

</td><td>

Задача Dm2.21. *1*
$A = \{b, f, h, l, n\}$,
$B = \{h, j, k, n, x, z\}$,
$C = \{c, d, j, n, o, r\}$,
$D = \{a, j, k\}$.
$X = (A \cap C) \cup (D \cap B)$.

</td></tr>
<tr><td>

Задача Dm2.22. *1*
$A = \{i, j, m, n\}$,
$B = \{a, b, n, v, x\}$,
$C = \{h, i, w\}$,
$D = \{a, h, i\}$.
$X = (A \cup B) \cap D$.

</td><td>

Задача Dm2.23. *1*
$A = \{d, g, k, p, q\}$,
$B = \{i, j, k, u, x\}$,
$C = \{f, g, t, v, w, x\}$,
$D = \{f, i, o, y, z\}$.
$X = (A \cap B) \cup (D \cap C)$.

</td><td></td></tr>
</table>

Dm2

Ответы.
Множества. Операции. Мощность.

03.10.2014

№	$|X|$	$|Y|$	
1	2		
2	0		
3	2		
4	6		
5	0		
6	3		
7	1		
8	6		
9	3		
10	3		
11	1		
12	6		
13	0		
14	1		
15	0		
16	2		
17	2		
18	4		
19	5		
20	3		
21	3		
22	2		
23	2		

Dm2 файл   o2c1A