Задание 1.4

Выяснить, верно ли равенство α для произвольных A, B, C.

№	α
1	$A \times C = (A \times (C \setminus B)) \cup (A \times (C \cap B))$
2	$A \times C = (A \times (C \cap B)) \cup (A \times C)$
3	$A \times (B \Delta C) = (A \times (B \cup C) \setminus (A \times (C \cap B))$
4	$A \times C = (A \times (C \setminus B)) \cup (A \times C)$
5	$A \times (B \cup C) = (A \times B) \cup (A \times (C \setminus B))$
6	$A \times (B \setminus C) = (A \times C) \Delta (A \times (C \cap B))$
7	$A \times C = (A \times (C \cup B)) \cap (A \times C)$
8	$A \times (C \cap (B \Delta C) = (A \times C) \Delta (A \times (C \cap B))$
9	$A \times (C \setminus B) = (A \times C) \setminus (A \times (C \cap B))$
10	$A \times (B \cap C) = (A \times (B \Delta C)) \cup (A \times (B \cap C))$
11	$A \times C = (A \times (C \cup B)) \setminus (A \times (B \setminus C)$
12	$A \times (B \cap C) = (A \times C) \cup (A \times (C \setminus B))$
13	$A \times (B \cap C) = (A \times (B \cup C)) \setminus (A \times (B \Delta C))$
14	$A \times (C \setminus B) = (A \times (B \cup C)) \setminus (A \times B)$
15	$B \times A = (B \times (A \setminus C)) \cup (B \times (A \cap C))$
16	$B \times A = (B \times (A \setminus C)) \cup (B \times A))$
17	$(B \times A) = (B \times A) \cup (B \times (A \setminus C))$
18	$B \times (A \cup C) = (B \times (A \setminus C)) \cup (B \times C)$
19	$B \times A = (B \times A) \cap (B \times (A \cup C))$
20	$B \times (A \setminus C) = (B \times A) \setminus (B \times (A \cap C))$
21	$B \times A = (B \times (A \cup C)) \setminus (B \times (C \setminus A))$
22	$B \times (A \cap C) = (B \times A) \setminus (B \times (A \setminus C))$
23	$B \times (A \setminus C) = (B \times A) \Delta (B \times (A \cap C))$
24	$B \times (A \setminus C) = (B \times (A \cup C))(B \times C)$
25	$C \times B = (C \times (B \setminus A)) \cup (C \times (B \cap A))$
26	$C \times B = (C \times (B \cap A)) \cup (C \times B)$
27	$C \times (A \Delta B) = (C \times (A \cup B)) \setminus (C \times (A \cap B))$
28	$C \times B = (C \times (B \setminus A)) \cup (C \times B)$
29	$C \times (A \cup B) = (C \times A) \cup (C \times (B \setminus A))$
30	$C \times (B \setminus A) = (C \times B) \setminus (C \times (A \cap B))$
31	$B \times C = (B \times (A \cup C)) \setminus (B \times (A \setminus C))$
32	$B \times (A \cup C) = (B \times C) \setminus (B \times (C \setminus A))$
33	$B \times (C \setminus A) = (B \times C) \Delta (B \times (A \cup C))$
34	$B \times (C \setminus A) = (B \times (A \cap C))(B \times A)$
35	$C \times B = (C \times (B \setminus A)) \cup (C \times (B \cap A))$
36	$C \times A = (C \times (B \cup A)) \cap (C \times B)$
37	$C \times (A \Delta B) = (C \times (A \cap B)) \setminus (C \times (A \cup B))$
38	$C \times A = (C \times (A \setminus B)) \cap (C \times A)$
39	$C \times (A \cap B) = (C \times A) \cap (C \times (A \setminus B))$
40	$C \times (A \setminus B) = (C \times B) \setminus (C \times (A \cup B))$