МИНОБРНАУКИ РОССИИ

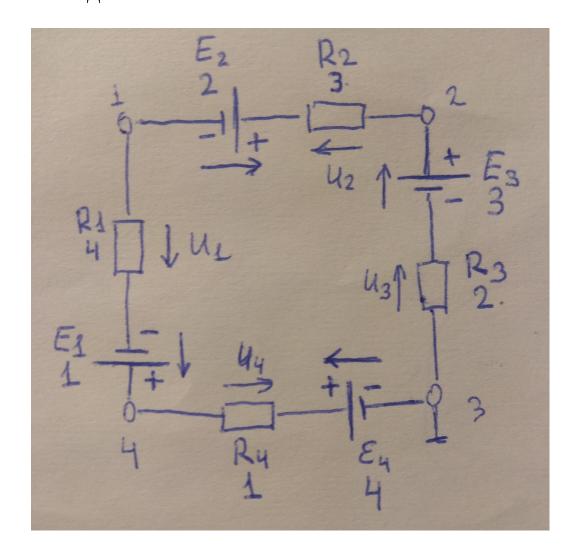
Санкт-Петербургский государственный электротехнический университет «ЛЭТИ» им. В.И. Ульянова (Ленина) Кафедра Физики

Решения задач ИДЗ №2 по дисциплине «Физика»

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Задача 1



```
E = -E_1 + E_2 - E_3 + H_4 = -1 + 2 - 3 + 4 = 2 B
RR = R_1 + R_2 + R_3 + R_4 = 10 \text{ om}
I = \frac{E}{R} = \frac{2}{16} = 0, 2 \cdot 4 = 0, 8 B
U_4 = IR_1 = 0, 2 \cdot 4 = 0, 8 B
U_4 = IR_3 = 0, 2 \cdot 2 = 0, 4 B
U_4 = IR_3 = 0, 2 \cdot 2 = 0, 4 B
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U_7 = IR_5 = IR_5 = IR_5 = IR_5
U_7 = IR_5 = IR_5 = IR_5 = IR_5
U_7 = IR
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Задача 2