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| **2018-2019** | **American Computer Science League** | **Contest #3** |
| **INTERMEDIATE DIVISION** |

**TEST INPUT**

8 14 15 2 98 81

5 12 60 2 15 48

7 17 119 2 37 22

6 13 52 2 23 35

10 18 19 1 81

**TEST OUTPUT**

1. ABCACB
2. ABCBA
3. ABBACBA
4. ACBAA
5. ABCBCABB