PUZZLE OF THE WEEK (2/2/2017 - 2/8/2017)

Suppose $a_1, a_2, ..., a_{2017}$ and $b_1, b_2, ..., b_{2017}$ are two permutations of the set of numbers 1, 2, 3,..., 2017. Find, with proof, the minimum value of

$$a_1b_1 + a_2b_2 + \dots + a_{2017}b_{2017}$$
.

- Correct solutions of the Puzzle of the Week #2 were submitted by 5 students: Andres Guerrero-Guzman, Gerrick Hegarty, Chris Karagiannis, Fisher Ng, and Karlie Schwartzwald. Only the first student provided a completely rigorous justification of his answer. Nonetheless: congratulations to all 5 students!
- One possible complete solution of the Puzzle #2 is posted online. (Look for the Puzzle of the Week announcements on the departmental webpage.)
- Solvers should include their full name and some kind of a contact information. Solutions should be submitted to **Iva Stavrov** in BoDine 305; email submissions are encouraged (istavrov at lclark). Solutions should be received by the end of the day on **February 8th**, **2017**.