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

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

\[
a_1b_1 + a_2b_2 + \ldots + a_{2017}b_{2017}.
\]

- Correct solutions of the Puzzle of the Week #2 were submitted by 5 students: Andres Guerrero-Guzman, Gerrick Hegarty, Chris Karagian-nis, Fisher Ng, and Karlie Schwartzwald. Only the first student pro-
vided 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 web-
page.)

- Solvers should include their full name and some kind of a contact in-
formation. 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.