Lower estimates are given for the sum $\sum_{a_1,a_2 \in A, a_1,a_2 \leq x}[a_1,a_2]^{-1}$, where $a_1 < a_2 < ...$ is a sequence of natural numbers.

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11N37 Asymptotic results on arithmetic functions
11A05 Multiplicative structure of the integers

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