Let i, j, k denote the three numbers (instead of indices).

- 1. Enumerate all triples (i, j, k). $O(U^3)$.
- 2. Wlog assume i || (i + j + k). Enumerate i, j, then there are only $O(\frac{U}{i})$ choices for k. $O(\sum_{i=1}^{U} U \cdot \frac{U}{i}) = O(U^2 \log U)$.
- 3. Enumerate the sum t=i+j+k, find all divisors of t, then use inclusion-exclusion. $O(\sum_i d^2(i)) = O(U \log^3 U)$, where $d(\cdot)$ is the number of divisors function. https://oeis.org/A061502

Remark. the $d^2(i)$ part for counting the number of divisor triples that sum to t should be improvable.

References