

Samplemax

Exercise

Given n parties P_1, P_2, \dots, P_n with each party entering a list of m values $V_i = (v_{i1}, v_{i2}, \dots, v_{im})$ that sum up to a constant value $B = \sum_{j=1}^m v_{ij}$ (for all parties i), find the maximal value in each of those lists - without revealing any information on the values V_i to party P_k for $i \neq k$.