

$$A_k(\mu) = \sum_{1 \leq i_1, i_2, \dots, i_n \leq 2^k} n_{i_1, i_2, \dots, i_n}^k \delta(\bar{x}_{i_1}^k, \bar{x}_{i_2}^k, \dots, \bar{x}_{i_n}^k).$$