$$|S| = \sum_{i=1}^{N} \alpha_i \cdot x_i \qquad |S| = \sum_{i=1}^{N} \alpha_i \cdot \varphi(k_i)$$

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$$|S| = \sum_{i=1}^{N} (|\nabla_{\varphi} \nabla_{\varphi}(k_i)|^{\frac{N}{2}})$$

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