



A diagram illustrating a mapping function. A light blue oval contains the equation $\varphi_s : (\mathbf{a}, b) \rightarrow b - \mathbf{s} \cdot \mathbf{a}$. A curved light blue arrow originates from a solid light blue dot on the left and points towards the oval. Another straight light blue arrow originates from the right side of the oval and points towards the right.

$$\varphi_s : (\mathbf{a}, b) \rightarrow b - \mathbf{s} \cdot \mathbf{a}$$