

$$\mathbf{x}_j^{t*} = \arg \max_{\mathbf{x}_i^t \in \mathcal{X} - \{\mathbf{x}_i^{t*}\}_{i=1}^{j-1}} |f^t(\mathbf{x}_i^t) - f^*(\mathbf{x}_i^t)|;$$

2. Add $(\mathbf{x}_j^{t*}, y_j^{t*} = f^*(\mathbf{x}_j^{t*}))$ into \mathcal{K} .

end

Provide \mathcal{K} to learners.

The learner updates f^t based on received \mathcal{K} :

$$f^t \leftarrow f^t - \eta^t \mathcal{G}(\mathcal{L}; f^t; \mathcal{K}).$$

Set $t \leftarrow t + 1$.

end
