

CREATE the **IS** dataset using **ISAMPLES** points

TRAIN and RBF with k weights on the **IS** dataset

Iter=0, $y_{\text{best}} = \infty$

CREATE the **FS** set using **FR** samples from the RBF

SORT the **FS** set and keep only the best N values

$i=1$

TAKE sample x_i from **FS**

$y_i = \text{LS}(x_i)$

YES

$y_i < y_{\text{best}}$

NO

$y_{\text{best}} = y_i$

$i = i + 1$

YES

$i \leq N$

NO

iter=iter+1

REPORT

y_{best}

YES

ARE
termination
rules hold?

NO