Algorithm 2: Training with iterative early stop cycle.

Input: $MODEL$ as the input model
Input: D_{train} as the training data set
Input: D_{val} as the validation data set
Input: N_I as the stop patience for iterative training cycle
Input: N_E as the early stop patience (epochs) for training
Input: B_{size} as the mini-batch size
Output: $MODEL$ as the full-precision output model

```
// Initial training and evaluation
```
$Train(MODEL, D_{train}, D_{val}, N_E, B_{size})$
$mse_i \leftarrow Evaluate(MODEL, D_{val})$
$n_I \leftarrow 0$
while $n_I < N_I$ **do**
```
    // Iterative early stop cycle
```
    $Train(MODEL, D_{train}, D_{val}, N_E, B_{size})$
    $mse_v \leftarrow Evaluate(MODEL, D_{val})$
    if $mse_v < mse_i$ **then**
        $Update(MODEL)$
        $mse_i \leftarrow mse_v$
    end
    else
        $MODEL \leftarrow LoadPreviousWeights()$
        $n_I \leftarrow n_I + 1$
    end
end