
Algorithm: Exhaustive search for optimal pruning ratios.

Input: Pruning budget k/L , polynomial $\mathcal{P}(\tilde{m}^a, \tilde{m}^g)$

Output: Optimal configuration $(\tilde{m}^{a*}, \tilde{m}^{g*})$

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1 best_score ← −∞;
2 for  $\tilde{m}^a \in \{0, 1/L, \dots, k/L\}$  do
3      $\tilde{m}^g \leftarrow k/L - \tilde{m}^a$ ;
4     if  $\tilde{m}^g \in \{0, 1/L, \dots, 1\}$  then
5         score ←  $\mathcal{P}(\tilde{m}^a, \tilde{m}^g)$ ;
6         if  $score > best\_score$  then
7             best_score ← score;
8              $((\tilde{m}^a)^*, (\tilde{m}^g)^*) \leftarrow (\tilde{m}^a, \tilde{m}^g)$ ;
9         end
10    end
11 end
12 return  $(\tilde{m}^{a*}, \tilde{m}^{g*})$ ;
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