Notations: Hr (w, x) = = Wr ||x - or || $R_{\perp}^{J}(w, \times) = \sum_{i=1}^{m} W_{i}^{J} \frac{x^{J} - \alpha^{J}}{\|x^{J} - \alpha^{J}\|}$ $\mathsf{L}_{\mathtt{A}}^{\mathtt{J}}(\omega, \times) = \frac{\mathtt{A}}{\mathsf{L}_{\mathtt{A}}(\omega, \times)} \Big(\| \mathsf{R}_{\mathtt{A}}^{\mathtt{J}}(\omega, \times) \| - \mathsf{W}_{\mathtt{A}}^{\mathtt{J}} \Big)$ Now we can define the starting point of the algorithm. Let W(0) EAM. Let $p_{k} = p_{k}(\omega(0)) := \operatorname{argmin} \{ H_{k}(\omega(0), \infty^{i}) : i=1, 2, ..., m \} \quad \forall k=1, 2, ..., K.$ Thun, choose $x^{2}(0) = \alpha^{p_{1}} + b^{p_{1}}_{r}(w(0), \alpha^{p_{1}}) \cdot b^{p_{1}}_{r}(w(0), \alpha^{p_{1}})$ $\mathcal{L}_{k}^{i}(\omega,x) := -\frac{R_{k}^{i}(\omega,x)}{\|R_{k}^{i}(\omega,x)\|}.$ Therefore, we have that Ψ(z(0)) = H(w(0), x(0)) < min [H(w(0), &)] where a∈ Rnk which Consist any permutation of Now, thanks to your Proposition 4.1 we have that (a', ..., a*)" 4(=(6) < min fH(w(0), ≈)} which means that Assumption 2 holds brue.

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