

Server

Cost reference table
graph $\hat{G} = (\hat{\mathcal{V}}, \hat{\mathcal{E}})$

Task prior
distribution q

Cost reference table

Linear programming

Objective function
Cost coefficient c_k

Constraints

Geo-Ind constraints

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User 1

$D_{\mathcal{N}_1^2},$
 $D_{\mathcal{N}_1, \mathcal{O}_1},$
 $C_{\mathcal{N}_1, \mathcal{O}_1}$

...



User m

$D_{\mathcal{N}_m^2},$
 $D_{\mathcal{N}_m, \mathcal{O}_m},$
 $C_{\mathcal{N}_m, \mathcal{O}_m}$

...



User M

$D_{\mathcal{N}_M^2},$
 $D_{\mathcal{N}_M, \mathcal{O}_M},$
 $C_{\mathcal{N}_M, \mathcal{O}_M}$

Coefficients of LP

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