

The Parameter $c_{f,s}$



$$f(y_1) + \dots + f(y_s) \leq c_{f,s}(f(y_1) + \dots + f(y_s)) \text{ for all } y_i$$

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- As $c_{f,s}$ grows, we expect the protocols to require more communication

- The lower bound $\Omega(c_{f,s}/\varepsilon)$ shows it is indeed the case

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A New Parameter and Our Result