Nama	Algorithm						
Name	SVRG	S2GD	EMGD	SVR-GHT	Prox-SVRG	SVRG++	Katyusha
\mathcal{E}	$m^{s} = C$	$p(m^{s}) = \frac{(1 - \mu \eta)^{M-t}}{\sum_{t=1}^{M} (1 - \mu \eta)^{M-t}}$	$m^{s} = C$	$m^{s} = C$	$m^{s} = C$	$m^{s} = 2^{s} C$	$m^{s} = C$
\mathcal{U}	$\omega_t^s - \eta_t \gamma_t^s$	$\omega_t^s - \eta_t \gamma_t^s$	$\left \omega_{t}^{s}-\mathbb{B}_{\Delta_{t}}\eta_{t}\gamma_{t}^{s}\right $	$\mathbb{O}_{k}\omega_{t}^{s}-\eta_{t}\gamma_{t}^{s}$	$\omega_t^s - \eta_t \gamma_t^s$	$\omega_t^s - \eta_t \gamma_t^s$	$\omega_t^s - \eta_t \gamma_t^s$
\mathcal{I}	pick ω_j^s from $\{1, 2,, m^s\}$ randomly $\omega_j^m^s$	$\omega_{j}^{m^{s}}$	ω_{j}^{m}	ω_j^m	$\sum_{j=1}^{m^s} \omega_j^s p(j)$	$\sum_{j=1}^{m^{s}} \omega_{j}^{s} p(j)$	$ \begin{pmatrix} \tau_1 \\ \tau_2 \\ \tau_3 \end{pmatrix}^{\mathrm{T}} \begin{pmatrix} z_0 - \alpha \sum_{i=1}^{m^s} \tilde{\gamma}_t^s \\ \omega^{s-1} \\ x_0 - \frac{1}{3L} \sum_{j=1}^{m^s} \tilde{\gamma}_t^s \end{pmatrix} $