Dataset D_c

$\nabla f_1(\theta)$
$\nabla f_2(\theta)$
$\nabla f_3(\theta)$
$\nabla f_4(\theta)$
$\nabla f_5(\theta)$
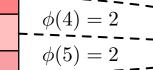$\nabla f_6(\theta)$
$\nabla f_7(\theta)$
$\nabla f_8(\theta)$

$\gamma(1) = 2$
$\phi(3) = 2$
$\phi(4) = 2$
$\phi(5) = 2$
$\phi(6) = 2$

Coreset C

$w_1 \nabla f_{\gamma(1)}(\theta)$
$w_2 \nabla f_{\gamma(2)}(\theta)$
$w_3 \nabla f_{\gamma(3)}(\theta)$

Coreset Selection

$$\left\| \sum_{i=1}^{n} \nabla f_i(\theta) - \sum_{j=1}^{|C|} w_j \nabla f_{\gamma(j)}(\theta) \right\|$$