

Object	Mathematical Representation
An iteration point	ℓ
The i th array reference	$R_i = (Y^{(j)}, F_i, S_h)$
The access made by R_i at ℓ	(R_i, ℓ)
The array element accessed by R_i at ℓ	$e_i = Y^{(j)}[F_i(\ell)]$
The byte address of e_i	$m_i = \mu_j + \mathcal{L}_j(F_i(\ell)) \cdot \beta_j$
The block address of m_i	$b_i = \mathcal{B}(m_i)$
The cache set to which b_i maps	$s_i = \mathcal{S}(b_i)$

Table 1: Table of notation.