Parameter	Collection	Key
U	bulletinBoardStates	electionID
$\mathbf{n} = (n_j)$	bulletinBoardStates	numberOfCandidates
$\mathbf{c} = (C_i)$	bulletinBoardStates	candidates
$\mathbf{k} = (k_j)$	bulletinBoardStates	numberOfSelections
$\mathbf{v} = (V_i)$	bulletinBoardStates	voters
$\mathbf{w} = (\omega_i)$	bulletinBoardStates	countingCircles
$\mathbf{E}=(_{ij})$	bulletinBoardStates	eligibilityMatrix
$oldsymbol{\hat{D}} = (\hat{oldsymbol{d}}_{oldsymbol{j}})$	bulletinBoardStates	partialPublicVotingCredentials
$\mathbf{pk} = (pk_j)$	bulletinBoardStates	publicKeyShares
$\sigma_1^{param}$		sigParam1
$\sigma_2^{param}$		sigParam2
$\sigma_3^{param}$		sigParam3
$\mathbf{s}_{prep} = (\sigma_j^{prep})$		sigPrep
$\mathbf{s}_{kgen} = (\sigma_j^{kgen})$		sigKgen

Parameter	Collection	Key
$\mathbf{A} = \langle (v, \alpha) \rangle$	bulletinBoardStates	ballots

v	bulletinBoardStates[ballots][index]	voterId
$\alpha = (\hat{x}_v, \mathbf{a}, \pi_\alpha)$	bulletinBoardStates[ballots][index]	ballot

$\hat{x}_v$	bulletinBoardStates[ballots] [index].ballot	x_hat
$\mathbf{a} = (a_j)$	bulletinBoardStates[ballots] [index].ballot	a_bold
$\pi_{\alpha}$	bulletinBoardStates[ballots] [index].ballot	pi

$\mathbf{B} = \langle (v, \beta_j, \sigma_{vj}^{cast}) \rangle$ bulletinBoardStates	resbonses
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$oxed{eta_j}$	bulletinBoardStates[resbonses] [index]	beta_j
$\sigma_{vj}^{cast}$		sigCast

$\mathbf{C} = \langle (v, \gamma) \rangle$ bulletinBoardStates[ballots].responses[index] confirmations			
$\gamma = (\hat{y}_v, \pi_eta)$ bulletinBoardStates confirmation			
$\hat{y}_v$	bulletinBoardStates[confirmations][index][confirmation]	y_hat	
$\pi_{eta}$	bulletinBoardStates[confirmations] [index][confirmation]	pi	

$\mathbf{D} = \langle (v, \delta_j, \sigma_{vj}^{\mathrm{conf}})  angle \;   \; bulle$	tinBoardStates[ballots][index]	randomizations
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$\delta_j$	bulletinBoardStates[randomizations] [index]	delta_j
$\sigma_{vj}^{ m conf}$		sigConf

Parameter	Collection	Key
$\mathbf{E}'=(\mathbf{e}_j)$	bulletinBoardStates	encryptions
$\pi = (\pi_j)$	bulletinBoardStates	shuffleProofs
$\mathbf{B}' = (\mathbf{b}'_j)$	bulletinBoardStates	decryptions
$\pi' = (\pi'_j)$	bulletinBoardStates	decryptionProofs
$oldsymbol{V} = (v_{ij})$	electionAdministratorStates	votes
$oldsymbol{W}=(\omega_{ij})$	electionAdministratorStates	w_bold
$\sigma^{tally}$		sigTally
$\mathbf{s}_{mix} = (\sigma_j^{mix})$		sigMix
$\mathbf{s}_{dec} = (\sigma_j^{dec})$		sigDec