(x) Calculate equilibrium solution with regards to rigid body modes	$\boldsymbol{\lambda}_{\mathbf{N}0} = \mathbf{AG}(\mathbf{G}^T\mathbf{AG})^{-1}\mathbf{e}$
(x) Projector to natural subspace	$\mathbf{P} = \mathbf{I} - \mathbf{AG}(\mathbf{G}^T\mathbf{AG})^{-1}\mathbf{G}^T$
(x) Calculate residual(gap) in natural subspace	$\mathbf{r}_0 = \mathbf{P}^T(\mathbf{d} - \mathbf{F}\boldsymbol{\lambda}_0)$
(x) Calculate resulting forces for each substructure (preconditioning)	$\mathbf{Z}_0 = \left[\cdots, \tilde{\mathbf{B}}^{(s)}\tilde{\mathbf{S}}^{(s)}\tilde{\mathbf{B}}^{(s)\,T}\mathbf{r}_0, \cdots\right]$
(x) Rigid body-components of forces	$\mathbf{W}_0 = \mathbf{PZ}_0$
(x) Initialize	$\boldsymbol{\lambda}_{\mathbf{F}0} = 0, i = 0$
(x) While not converged	$\sqrt{\mathbf{r}^T\mathbf{Z1}} > \epsilon$
(x) Compute gap-changes due to forces $\mathbf{W}_i$	$\mathbf{Q}_i = \mathbf{FW}_i$
(x) Energy of???	$\boldsymbol{\Delta}_i = {\mathbf{Q}_i}^T\mathbf{W}_i$
(x) Energy of???	$\boldsymbol{\gamma}_i = {\mathbf{Z}_i}^T\mathbf{r}_i$
(x) Step in new direction	$\boldsymbol{\lambda}_{\mathbf{F}i+1} = \boldsymbol{\lambda}_{\mathbf{F}i} + \mathbf{W}_i{\boldsymbol{\Delta}_i}^+\boldsymbol{\gamma}_i$
(x) Gap change due to force step	$\mathbf{r}_{i+1} = \mathbf{r}_i - \mathbf{P}^T\mathbf{Q}_i\boldsymbol{\Delta}_i^+\boldsymbol{\gamma}_i$
(x) Calculate resulting forces for each substructure (preconditioning)	$\mathbf{Z}_{i+1} = \left[\cdots, \tilde{\mathbf{B}}^{(s)}\tilde{\mathbf{S}}^{(s)}\tilde{\mathbf{B}}^{(s)\,T}\mathbf{r}_{i+1}, \cdots\right]$
(x) Remove rigid body-components of forces	$\mathbf{W}_{i+1} = \mathbf{PZ}_{i+1}$
(x) Loop over previous iterations	for: $0 \leq j \leq i$
(x) Compute ??? factor	$\boldsymbol{\phi}_{i,j} = \mathbf{Q}_j^T\mathbf{W}_{i+1}$
(x) Orhorgonalize to direction j	$\mathbf{W}_{i+1} \leftarrow \mathbf{W}_{i+1} - \mathbf{W}_j{\boldsymbol{\Delta}_j}^+\boldsymbol{\phi}_{i,j}$
(x) Increase iteration counter	$i \leftarrow i + 1$
(x) Compute total interface forces	$\boldsymbol{\lambda} = \boldsymbol{\lambda}_{\mathbf{N}0} + \boldsymbol{\lambda}_{\mathbf{F}0}$