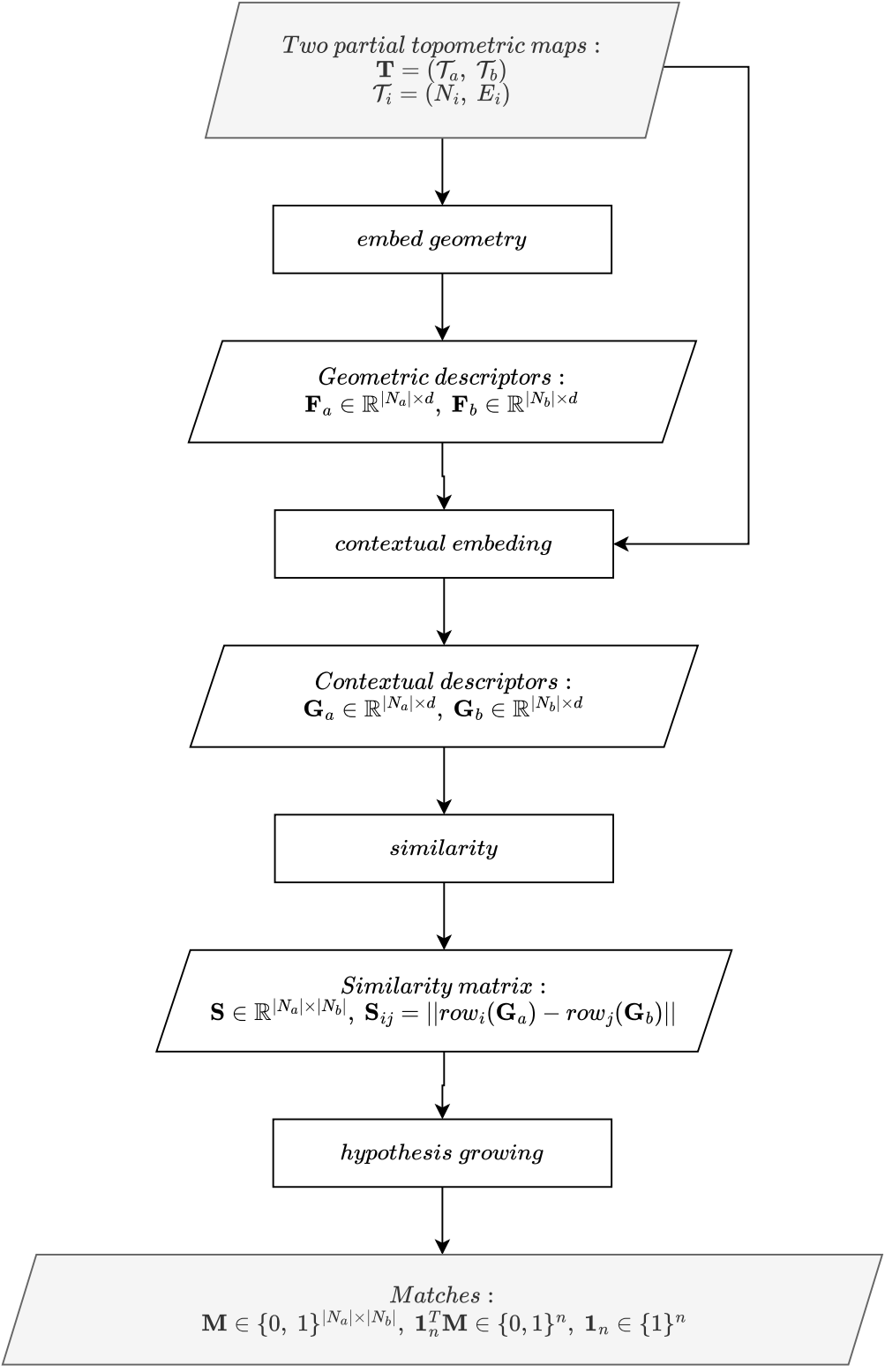
Two partial topometric maps :
$\mathbf{T} = (\mathcal{T}_a,\ \mathcal{T}_b)$
$\mathcal{T}_i = (N_i,\ E_i)$
embed geometry
Geometric descriptors :
$\mathbf{F}_a \in \mathbb{R}^{|N_a| \times d},\ \mathbf{F}_b \in \mathbb{R}^{|N_b| \times d}$
contextual embeding
Contextual descriptors :
$\mathbf{G}_a \in \mathbb{R}^{|N_a| \times d},\ \mathbf{G}_b \in \mathbb{R}^{|N_b| \times d}$
similarity
Similarity matrix :
$\mathbf{S} \in \mathbb{R}^{|N_a| \times |N_b|},\ \mathbf{S}_{ij} = ||row_i(\mathbf{G}_a) - row_j(\mathbf{G}_b)||$
hypothesis growing
Matches :
$\mathbf{M} \in \{0,\ 1\}^{|N_a| \times |N_b|},\ \mathbf{1}_n^T \mathbf{M} \in \{0, 1\}^n,\ \mathbf{1}_n \in \{1\}^n$