



optimal partial
matching

$$\max_{\pi: \mathbf{X} \rightarrow \mathbf{Y}} \sum_{\mathbf{x}_i \in \mathbf{X}} \mathcal{S}(\mathbf{x}_i, \pi(\mathbf{x}_i))$$



$$\mathbf{X} = \{\vec{\mathbf{x}}_1, \dots, \vec{\mathbf{x}}_m\}$$

$$\mathbf{Y} = \{\vec{\mathbf{y}}_1, \dots, \vec{\mathbf{y}}_n\}$$