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**Algorithm 1:** Align Classes Algorithm

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**Data:**  $C$  is the classes of a language;  $C'$  is the classes of another language

**Result:**  $P$  is aligned pairs of classes

**begin**

$M \leftarrow \text{findCandidateClassPairs}(C, C')$

**while**  $M.size > 0$  **do**

**if**  $M.size > 1$  **then**

$M \leftarrow \text{refineByPackageNames}(M)$

**if**  $M.size == 1$  **then**

$P.add(M)$

$C.remove(M[0].c)$

$C'.remove(M[0].c')$

$M \leftarrow \text{findCandidateClassPairs}(C, C')$

**end**