Input: a model $\mathcal{T}$ obtained from CAPRESE or a model $\mathcal{M}$ obtained from CAPRI, and the initial data set.

Result: the *confidence* in the inferred arcs.

1 Let $counter \leftarrow 0$

2 Let $nboot \leftarrow$ the number of bootstrap sampling to be performed.

3 **while** $counter < nboot$ **do**

4 | Create a new data set for the inference by random sampling of the input data.

5 | Perform the reconstruction on the sampled data set and save the results.

6 | $counter = counter + 1$

7 **end**

8 Evaluate the confidence in the reconstruction by counting the number of times any arc is inferred in the sampled data sets.

9 **return** *The inferred model $\mathcal{T}$ or $\mathcal{M}$ augmented with an estimated confidence for each arc.*