The following steps are followed to build *babelizer* in a new conda environment. Note that the fix to *babelizer*’s memory issue has not been merged in the pull request in GITHUB yet. Thus, we need to build the fixed *babelizer* from source using the ‘mdpiper/configure-max-instances’ branch from the pull request.

git clone https://github.com/csdms/babelizer

cd babelizer

git checkout mdpiper/configure-max-instances

conda create -n bblz -c conda-forge --file=requirements.txt --file=requirements-testing.txt

source activate bblz

pip install

*#install BMI-CSHORE in this conda environment ‘bblz’:*

mkdir \_build && cd \_build

cmake ../ -DCMAKE\_INSTALL\_PREFIX=$CONDA\_PREFIX

make all install

*#babelize the BMI-CSHORE Python library:*

babelize init babel\_heat.toml

cd pymt\_heat

pip install -e .

*#instantiate the babelized BMI-CSHORE model in Python:*

from pymt\_cshore import cshoremodel

bmicshore=cshoremodel()