Example for CellH5’s relational data representation in HDF5

1. A (temporal) object from Event object with obj_id 0 connects two nucleus region objects with indices 0 and 42.

2. The nucleus indices are used to look up the time and segmentation label indices in the Nucleus dataset and the center positions in the Center object feature dataset.

3. The indices of the nuclei objects are related to the Cell indices with the Nucleus to Cell object relation (in this case one-to-one relation).

4. The cell object indices are used to look up the time and segmentation label indices from the Cell region object. Area and intensity are retrieved from Image Feature object feature dataset.