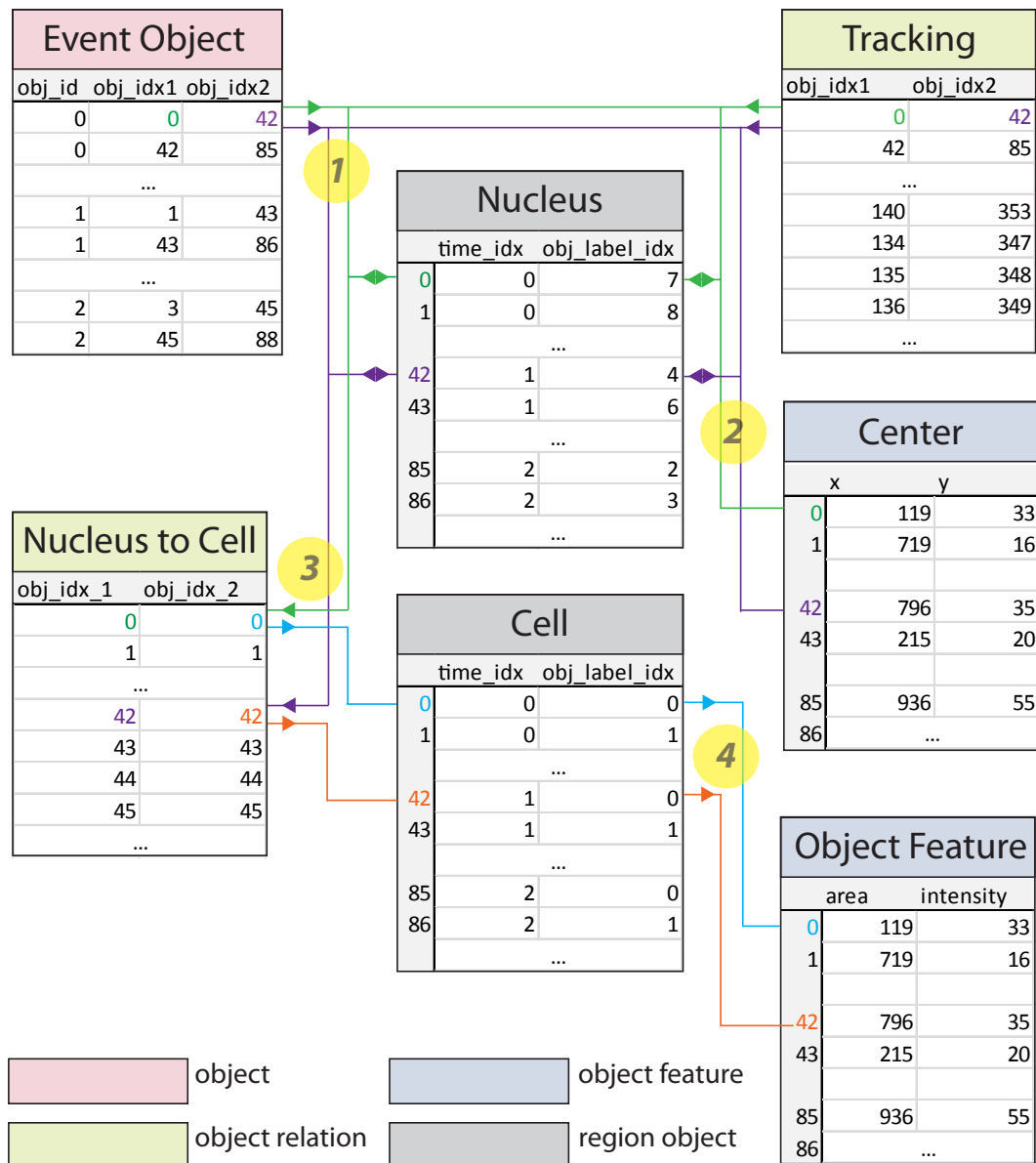


## Example for CellH5's relational data representation in HDF5



- 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.