# 55th SIG; Issue 360 –R10 vs R67

## Teasing apart R10 has member and R67 has part

### Proposal for R10 has member (to be redrafted and put in an evote)

**R10 has member (is member of)**

Domain: F1 Work

Range: F1 Work

Subproperty of: E89 Propositional Object. P148 has component (is component of): E89 Propositional Object

Superproperty of: F1 Work. R67 has part (is part of): F1 Work

Quantification: many to many (0,n:0,n)

Scope note: This property associates an instance of F1 Work with another instance of F1 Work that forms a part of it. In contrast to its subproperty *R67 has part (is part of)*, the property *R10 has member (is member of)* may, for instance, also associate with the overall instance of F1 Work free translations, adaptations and other derivative works that do not form a logical whole with sibling parts. This property is transitive, asymmetric and irreflexive.

An instance of F1 Work may neither directly nor indirectly be a member of itself. Instances of F1 Work that are not members of one another may not share a common member.

Examples:

* Auguste Rodin’s ‘La Porte de l’Enfer’ (F1) *has member* Auguste Rodin’s ‘Le penseur’(F1).

### Proposal for R67 has part (forms part of) –was not discussed

**R67 has part (forms part of)**

Domain: F1 Work

Range: F1 Work

Subproperty of: F1 Work. R10 has member (is member of): F1 Work

Quantification: many to many (0,n:0,n)

Scope note: This property associates an instance of F1 Work with another instance of F1 Work that forms part of it in a complementary role to other sibling parts, conceived at some point in time to form together a logical whole, such as the parts of a trilogy. This property is transitive, asymmetric and irreflexive.

In contrast, the property *R10 has member (is member of)* may, for instance, also associate with the overall instance of F1 Work free translations, adaptations and other derivative works that do not form a logical whole with sibling parts.

Examples:

* Dante Alighieri’s textual work entitled ‘Divina Commedia’ (F1) *has part* Dante Alighieri’s textual work entitled ‘Inferno’ (F1).
* Miguel de Cervantes’ textual work entitled ‘Don Quixote’ (F1) *has part* Miguel de Cervantes’ textual work entitled ‘El ingenioso hidalgo Don Quixote de la Mancha’ (F1).
* Miguel de Cervantes’ textual work entitled ‘Don Quixote’ (F1) *has part* Miguel de Cervantes’ textual work entitled ‘Segunda Parte del Ingenioso Cavallero Don Quixote de la Mancha’ (F1).
* J.R.R. Tolkien’s textual work ‘The Lord of the Rings’ (F1) *has part* J.R.R. Tolkien’s textual work ‘The Two Towers’ (F1).
* Cormac McCarthy’s textual work ‘The Border Trilogy’ (F1) *has part* Cormac McCarthy’s textual work ‘All the Pretty Horses’ (F1).
* Giovanni Battista Piranesi’s graphic work entitled ‘Carceri’ (F1) *has part* Giovanni Battista Piranesi’s graphic work entitled ‘Carcere XVI: the pier with chains’ (F1)
* Ludwig van Beethoven’s musical work entitled ‘Symphony No. 9’ (F1) *has part* Ludwig van Beethoven’s musical work ‘Finale’ (4th movement) (F1).

## Discussion points

* **R10** should express a generalization over all the cases that are not covered by the more specific modeling constructs available.
* The scope note of **R10** should explicitly refer to its usage in documenting different databases integration, to reflect difference of opinion/practices: database A can list two distinct versions of a specific musical score/libretto/whatnot as instances of F1 Work or instances of F2 Expression.
* The scope note of **R10** should explicitly state that it applies to a “superwork” construct, i.e., one that allows statements of the sort “such-and-such instances of F1 Work form distinct versions of Symphony No.something (F1)”
  + Nb. The construct is easier to grasp if one’s examples are musical scores compared to adaptations of literary works into movie scripts.
  + Nb’. It is often the case that whereas the distinct versions of a certain F1 Work have numbered IDs, the superwork lacks one.
* Disambiguation can come from deprecating examples that are common to both **R10** and **R67**.
  + Only keep the example about all the known different-sized versions of Rodin’s “Le penseur” –but rephrase it to avoid making a reference to “La Porte de l’Enfer”
  + Consider making an example out of the known versions of Fidelio/Leonore, the creation of which has been carefully documented.
  + Consider making an example out of [Philokalia](https://en.wikipedia.org/wiki/Philokalia), a collection of texts written between the 4th and the 15th centuries AD by spiritual masters of the mystical heychast tradition of the Eastern Orthodox Church.
* Instead of making **R10** a relation btw instances of F1 Work, it can apply to an instance of E89 Propositional Object and an instance of F1 Work. This way its scope is broadened, and it becomes more compatible with the notion of ‘superwork’ that we talked about.

**HW**: PR, TA, MZ to reconsider –the new HW and ensuing evote to be assigned a [new issue](#_R10_has_member).