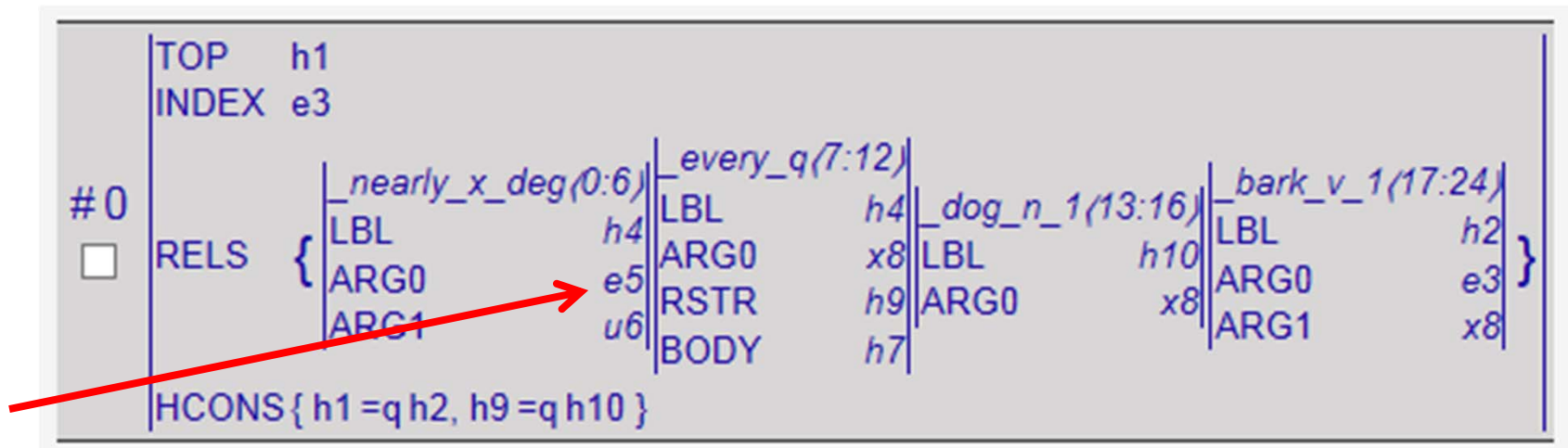


Discussion:
MRS Well-formedness
MRS Isomorphism

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10th DELPH-IN Summit
July 14, 2014

Types of well-formedness

- graph connectivity (fragmentation)
“Nearly every dog barked.”



tasks & applications

- Check well-formedness
- Generatability
- Generation: Final semantics check
- Convert to/from EDS, DMRS
- Identify distinguished variable(s)
- Disjoint MRSEs
 - align EPs
 - Similarity metrics

MRS sources

- Parse results → VPM “forward”
- Synthetic MRS
- c.f. 2013 Bender Ling575 “MRS representations”

MRS targets

- → VPM “reverse” → Generation input
- c.f. 2014 Bender Ling575 Seminar “MRS applications”

Tools

- PyDelphin
<https://github.com/goodmami/pydelphin>
- Common LISP MRS library
 - part of the LKB, linked into PET
- ACE MRS operations
- *agree* MRS operations

MRS subsumption

- versus (bag) equivalence
- checking in MRS (versus TFS) domain
- EP alignment for subsumption checking