Description logic view: DOLCE-No-Quality-Qualia

Classes

accomplishment
$accomplishment \sqsubseteq event$
achievement
achievement \sqsubseteq event
amount-of-matter
amount-of-matter \sqsubseteq physical-endurant amount-of-matter $\sqsubseteq \neg$ physical-object amount-of-matter $\sqsubseteq \neg$ feature
arbitrary-sum
arbitrary-sum \sqsubseteq endurant arbitrary-sum $\sqsubseteq \exists$ part endurant arbitrary-sum $\sqsubseteq \neg$ non-physical-endurant arbitrary-sum $\sqsubseteq \neg$ physical-endurant
dependent-place
dependent-place \sqsubseteq feature
endurant
endurant $\sqsubseteq \exists$ participant-in perdurant endurant $\sqsubseteq \forall$ part endurant endurant \sqsubseteq spatio-temporal-particular endurant $\sqsubseteq \forall$ specific-constant-constituent endurant endurant $\sqsubseteq \neg$ perdurant
event
event \sqsubseteq perdurant
feature
feature \sqsubseteq physical-endurant feature $\sqsubseteq \exists$ host physical-endurant feature $\sqsubseteq \neg$ physical-object feature $\sqsubseteq \neg$ amount-of-matter

non-physical-endurant non-physical-endurant \sqsubseteq endurant non-physical-endurant $\sqsubseteq \forall$ part non-physical-endurant non-physical-endurant $\sqsubseteq \neg$ arbitrary-sum non-physical-endurant $\sqsubseteq \neg$ physical-endurant non-physical-object non-physical-object \sqsubseteq non-physical-endurant non-physical-object $\sqsubseteq \exists$ generically-dependent-on physical-endurant non-physical-object $\sqsubseteq \forall$ part non-physical-object particular perdurant perdurant $\sqsubseteq \exists$ participant endurant $\operatorname{perdurant} \sqsubseteq \forall \operatorname{part} \operatorname{perdurant}$ perdurant $\sqsubseteq \forall$ specific-constant-constituent perdurant $perdurant \sqsubseteq spatio-temporal-particular$ $perdurant \sqsubseteq \neg endurant$ physical-endurant physical-endurant $\sqsubseteq \forall$ part physical-endurant physical-endurant \sqsubseteq endurant physical-endurant $\sqsubseteq \forall$ specific-constant-constituent physical-endurant physical-endurant $\sqsubseteq \neg$ arbitrary-sum physical-endurant $\sqsubseteq \neg$ non-physical-endurant physical-object $physical-object \sqsubseteq physical-endurant$ physical-object $\sqsubseteq \neg$ feature physical-object $\sqsubseteq \neg$ amount-of-matter process process \sqsubseteq stative relevant-part relevant-part \sqsubseteq feature

spatio-temporal-particular \equiv particular \sqcap endurant \sqcup perdurant

spatio-temporal-particular

state state \sqsubseteq stative stative stative \sqsubseteq perdurant Object properties abstract-location \sqsubseteq exact-location ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlabstract-location; = ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite. location-of; \exists abstract-location Thing \sqsubseteq non-physical-endurant abstract-location-of \square exact-location-of ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlabstract-location; = ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite. location-of; $\top \sqsubseteq \forall$ abstract-location-of non-physical-endurant atomic-part ⊑ part jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlatomic-part; = jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlatomic-part; part-of; \exists atomic-part Thing \sqsubseteq particular $\top \sqsubseteq \forall$ atomic-part particular atomic-part-of \sqsubseteq part-of $ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlatomic-part \cite{images} \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlatomic-part \cite{im$ \exists atomic-part-of Thing \sqsubseteq particular $\top \sqsubseteq \forall$ atomic-part-of particular boundary \sqsubseteq proper-part $ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlboundary; \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlboundary; = ihtt$

 $\exists \ boundary \ Thing \sqsubseteq particular \\ \top \sqsubseteq \forall \ boundary \ particular$

boundary-of
$ \sqsubseteq \text{proper-part-of} \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlboundary:} \\ \equiv \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlboundary:} \\ \text{distance} \\ \exists \text{boundary-of Thing} \\ \sqsubseteq \text{particular} \\ \top \\ \sqsubseteq \forall \text{boundary-of particular} \\ \end{aligned}$
constant-participant
$ \sqsubseteq \text{participant} \\ \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlconstant-participant-in;} \equiv \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlconstant-participant-in;} \\ \equiv \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlconstant-participant-in;} \\ \equiv \text{ constant-participant-Ining-Lite.owlconstant-participant-in;} \\ \equiv \text{ constant-participant-Ining-Lite.owlconstant-participant-in;} \\ \equiv \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlconstant-participant-in;} \\ \equiv \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlcons-in;} \\ \equiv \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlcons-in;} \\ \equiv $
constant-participant-in
$ \sqsubseteq \text{participant-in} \\ $
exact-location
$ \sqsubseteq generic-location \\ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlexact-location; \\ \equiv http://www.loa-cnr.$
exact-location-of
$ \sqsubseteq generic-location-of \\ [http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlexact-location; \\ \equiv [http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlexact-location; \\ \equiv [http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlexact-location-of; \\ \vdash \\ \sqsubseteq \forall \ exact-location-of \ particular $
generic-constituent
$ \sqsubseteq immediate\text{-relation} \\ $

generic-constituent-of
\sqsubseteq immediate-relation-i $_{ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlgeneric-constituent-of}_{ihttp://www.loa-cnr.it/ontologies/DOLCE-constituent}_{constituent}_$
generic-dependent
$ \sqsubseteq immediate\text{-relation} \\ $
generic-location
$ \sqsubseteq \mbox{mediated-relation} \\ \mbox{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlgeneric-location-of} \\ \mbox{ξ} \equiv \mbox{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlgeneric-location-of} \\ \mbox{location} \\ \mbox{ξ} \equiv \mbox{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlgeneric-location-of} \\ \mbox{ξ} \equiv jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.o$
generic-location-of
\sqsubseteq mediated-relation-i $_{ m ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlgeneric-location-of; \equiv _{ m ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlgeneric-location; }^ \exists generic-location-of Thing \sqsubseteq particular \top \sqsubseteq \forall generic-location-of particular$
generically-dependent-on
$ \sqsubseteq \text{immediate-relation-i} \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlgeneric-dependent;} \equiv \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlgeneric-dependent;} \\ \equiv jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlgeneric-dependent.owlgeneric-dependent.owlg$
host
\sqsubseteq specifically-constantly-dependent-on ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlhost-of; \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlhost; \exists host Thing \sqsubseteq feature $\top \sqsubseteq \forall$ host physical-endurant

host-of
$ \sqsubseteq specific-constant-dependent \\ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlhost-of \\ \exists host-of Thing \\ \sqsubseteq physical-endurant \\ \top \\ \sqsubseteq \forall host-of feature $
identity-c
$ \sqsubseteq \text{immediate-relation} \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlidentity-c} \\ \text{\downarrow} \exists \text{identity-c Thing } \sqsubseteq \text{particular} \\ \text{\top} \sqsubseteq \forall \text{ identity-c particular} \\ \end{aligned}$
identity-n
$ \sqsubseteq \text{immediate-relation} \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlidentity-n} $
immediate-relation
$ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlimmediate-relation-i\cite{thm:logies/dolce-Lite.owlimmediate-relation-i}$
immediate-relation-i
ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlimmediate-relation-i $\xi \equiv$ ihttp://www.loa-cnr.it/ontologies/DOLCE-Irelation $\xi^ \exists$ immediate-relation-i Thing \sqsubseteq particular $\top \sqsubseteq \forall$ immediate-relation-i particular
inherent-in
\sqsubseteq immediate-relation $\top \sqsubseteq \forall \text{ inherent-in particular}$
life
$ \sqsubseteq constant-participant-in \\ [http://www.loa-cnr.it/ontologies/DOLCE-Lite.owllife; \\ \equiv [http://www.loa-cnr.it/ontologies/DOLCE-Lite.owllife-of; \\ \lnot life\ Thing\ \sqsubseteq endurant \\ \top \sqsubseteq \forall \ life\ perdurant $

life-of
$ \sqsubseteq constant-participant \\ \verb http://www.loa-cnr.it/ontologies/DOLCE-Lite.owllife \equiv \verb http://www.loa-cnr.it/ontologies/DOLCE-Lite.owllife-of = \verb http://www.loa-cnr.it/ontologies/D$
mediated-relation
$ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlmediated-relation-i\cite{Lite} = ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlmediated-relation-i\cite{Lite} = ihttp://www.loa-cnr$
mediated-relation-i
ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlmediated-relation-i $\xi \equiv i$ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlmediated-relation-i $\xi \equiv i$
mereologically-coincides
$ \sqsubseteq temporary-part \\ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlmereologically-coincides; \\ \equiv http://www.loa-cnr.it/ontologies/DOLCE-Lite.owl$
overlaps
$ \sqsubseteq \mbox{mediated-relation} \\ \mbox{ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owloverlaps;} \equiv \mbox{ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owloverlaps;} \\ \mbox{\exists overlaps Thing } \sqsubseteq \mbox{particular} \\ \mbox{$\top \sqsubseteq \forall$ overlaps particular} \\ \mbox{$\top \sqsubseteq \forall$ overlaps particular} \\ \mbox{$\top \sqsubseteq \forall$ overlaps particular} \\ $\top \sqsubseteq \forall = \forall \exists \exists$
part
$ \sqsubseteq immediate\text{-relation} \\ \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlpart-of;} \\ \exists \text{ part Thing } \sqsubseteq \text{ particular} \\ \top \sqsubseteq \forall \text{ part particular} \\ \end{aligned}$
part-of
\sqsubseteq immediate-relation-i

$\top \sqsubseteq \forall$ part-of particular
participant
$ \sqsubseteq immediate-relation \\ ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlparticipant; \\ \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlparticipant; \\ \equiv intp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlparticipant; \\ \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlparticipant; \\ \equiv ihttp://w$
participant-in
$ \sqsubseteq \text{immediate-relation-i} \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlparticipant} \\ \text{i} \equiv \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlparticipant} \\ \text{in}; \\ ^- \\ \exists \text{ participant-in Thing } \sqsubseteq \text{ endurant} \\ \top \sqsubseteq \forall \text{ participant-in perdurant} \\ \end{aligned}$
partly-compresent
$ \sqsubseteq \mbox{mediated-relation} \\ \mbox{ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlpartly-compresent;} \equiv \mbox{ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlpartly-compresent;} \\ \mbox{\exists \mbox{partly-compresent Thing \sqsubseteq particular} \\ \mbox{\top \sqsubseteq \forall partly-compresent particular} $
physical-location
$ \sqsubseteq \text{ exact-location } \\ \text{ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlphysical-location;} \\ \equiv \text{ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlphysical-location;} \\ \equiv \text{ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlphysical-location;} \\ \equiv \text{physical-location Thing } \\ \sqsubseteq \text{physical-location Thing } \\ \sqsubseteq \text{physical-endurant} \\$
physical-location-of
$ \sqsubseteq \text{ exact-location-of } \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlphysical-location;} \equiv \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlphysical-location-of;} \\ \top \sqsubseteq \forall \text{ physical-location-of physical-endurant} $
proper-part
\sqsubseteq part $_{\rm i}$ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlproper-part; \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlpart-of; $^ \exists$ proper-part Thing \sqsubseteq particular \top \sqsubseteq \forall proper-part particular

proper-part-of
$ \sqsubseteq \operatorname{part-of} \\ \operatorname{http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlproper-part} \rangle \equiv \operatorname{http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlproper-part-of} \rangle \\ = \operatorname{proper-part-of} \\ \exists \operatorname{proper-part-of} \\ \\ \\ \exists \operatorname{proper-part-of} \\ \\ \\ \\ \exists \operatorname{proper-part-of} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$
q-location
$\sqsubseteq immediate\text{-relation} \\ ihttp://www.loa-cnr.it/ontologies/DOLCE\text{-Lite.owlq-location} \\ it = ihttp://www.loa-cnr.it/ontologies/DOLCE\text{-Lite.owlq-location} \\ if = ihttp://www.loa-c$
q-location-of
$\sqsubseteq immediate\text{-relation-i} \\ ihttp://www.loa-cnr.it/ontologies/DOLCE\text{-Lite.owlq-location} \\ it = ihttp://www.loa-cnr.it/ontologies/DOLCE\text{-Lite.owlq-location} \\ if = ihttp://www.loa$
q-present-at
$\sqsubseteq \ mediated-relation \\ ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltime-of-q-presence-of \\ \vdots \\ ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltime-of-q-presence-of \\ \vdots \\ ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltime-of-q-presence-of \\ \vdots \\ interpersence-of \\ \vdots $
r-location
$\sqsubseteq immediate\text{-relation} \\ ihttp://www.loa-cnr.it/ontologies/DOLCE\text{-Lite.owlr-location} \\ \vdots \\ ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite$
r-location-of
\sqsubseteq immediate-relation-i
sibling-part
$ \sqsubseteq \mbox{mediated-relation} \\ \mbox{ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlsibling-part;} \equiv \mbox{ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlsibling-part;} \\ \mbox{for a sibling-part Thing } \sqsubseteq \mbox{particular} \\ \mbox{$\top \sqsubseteq \forall $ \mbox{sibling-part particular} } $

spatio-temporal-presence-of
$ \sqsubseteq \text{ exact-location-of } \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlspatio-temporal-presence-of;} \\ \equiv \text{jhttp://www.loa-cnr.it/ontologies/DoLCE-Lite.owlspatio-temporal-presence-of;} \\ \vdash \\ \sqsubseteq \forall \text{ spatio-temporal-presence-of particular} \\ \end{aligned}$
spatio-temporally-present-at
$ \sqsubseteq \text{exact-location} \\ \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlspatio-temporal-presence-of;} \\ \equiv http://www.loa-cnr.it/ontologies/DoLCE-Lite.owlspatio-temporal-presence-of-of-of-of-of-of-of-of-of-of-of-of-of-$
specific-constant-constituent
$ \sqsubseteq \text{immediate-relation} \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlspecific-constant-constituent} \\ \text{z} \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlspecific-constant-constituent} \\ \text{Lite.owlspecific-constant-constituent-of} \\ \text{z} \\ \text{specific-constant-constituent} \\ \text{T} \\ \text{E} \\ \text{V} \\ \text{specific-constant-constituent} \\ \text{particular} \\ \text{T} \\ \text{E} \\ \text{V} \\ \text{Specific-constant-constituent} \\ \text{particular} \\ \text{T} \\ \text{E} \\ \text{V} \\ \text{Specific-constant-constituent} \\ \text{Proposed Specific-constant-constituent} \\ Proposed Speci$
specific-constant-constituent-of
$ \sqsubseteq immediate\text{-relation-i} \\ [ihttp://www.loa-cnr.it/ontologies/DOLCE\text{-Lite.owlspecific-constant-constituent}; \\ \equiv [ihttp://www.loa-cnr.it/ontologies/DOLCE] \\ Lite.owlspecific-constant-constituent-of; \\ \vdash \\ \exists specific-constant-constituent-of Thing \\ \sqsubseteq particular \\ \vdash \\ \sqsubseteq \forall specific-constant-constituent-of particular $
specific-constant-dependent
$ \sqsubseteq immediate-relation \\ ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlspecific-constant-dependent; \\ \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlspecific-constant-dependent-on; \\ \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlspecific-constant-on; \\ \equiv ihttp://www.loa-cnr.it/ontolog$
specifically-constantly-dependent-on
$ \sqsubseteq immediate\text{-relation-i} \\ [http://www.loa-cnr.it/ontologies/DOLCE-Lite.owlspecific-constant-dependent; \\ \equiv [http://www.loa-cnr.it/ontologies/DoLCE-Lite.owlspecific-constant-dependent-ontologies/DoLCE-Lite.owlspecific-constant-dependent-ontologies/DoLCE-Lite.owlspecific-constant-dependent-ontologies/DoLCE-Lite.owlspecific-constant-dependent-ontologies/DoLCE-Lite.owlspecific-constant-dependent-ontologies/DoLCE-Lite.owls$

strong-connection
$ \sqsubseteq \mbox{mediated-relation} \\ \mbox{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlstrong-connection;} \equiv \mbox{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlstrong-connection;}^- \\ \mbox{\exists strong-connection Thing } \sqsubseteq \mbox{particular} \\ \mbox{$\top \sqsubseteq \forall$ strong-connection particular} $
t-inherent-in
\sqsubseteq inherent-in $\top \sqsubseteq \forall$ t-inherent-in particular
temporary-atomic-part
$ \sqsubseteq temporary\text{-proper-part} \\ \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-atomic-part-of}_{\mathcal{L}} \equiv \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-atomic-part}_{\mathcal{L}} \\ \exists temporary\text{-atomic-part Thing } \sqsubseteq \text{endurant} \\ \top \sqsubseteq \forall temporary\text{-atomic-part endurant} $
temporary-atomic-part-of
$ \sqsubseteq temporary\text{-proper-part-of} \\ ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-atomic-part-of;} \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-atomic-part-of;} \\ \exists temporary\text{-atomic-part-of Thing } \sqsubseteq endurant \\ \top \sqsubseteq \forall temporary\text{-atomic-part-of endurant} \\ \end{aligned}$
temporary-part
$ \sqsubseteq \text{part} \\ \sqsubseteq \text{partly-compresent} \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-part-of} \\ \not\equiv \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-part-of} \\ \not\equiv \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-part-of} \\ \not\equiv \text{temporary-part Thing} \\ \sqsubseteq \text{endurant} \\ eggline \\ egg$
temporary-part-of
$ \sqsubseteq partly\text{-compresent} \\ \sqsubseteq part\text{-of} \\ \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-part-of;} \equiv \text{ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-part-of;} \\ \exists $

temporary-participant
\sqsubseteq participant $_{\rm i}$ inttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-participant; \equiv inttp://www.loa-cnr.it/ontologies/DOLCI participant-in; \vdash \exists temporary-participant Thing \sqsubseteq perdurant \top \sqsubseteq \forall temporary-participant endurant
temporary-participant-in
\sqsubseteq participant-in $_{ m ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-participant; \equiv _{ m ihttp://www.loa-cnr.it/ontologies/DOLCI participant-in; ^ \exists temporary-participant-in Thing \sqsubseteq endurant \top \sqsubseteq \forall temporary-participant-in perdurant$
temporary-proper-part
\sqsubseteq temporary-part \sqsubseteq proper-part \vdash proper-part; \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltemporary-proper-part; \equiv ihttp://www.loa-cnr.it/ontologies/DOLC proper-part-of; \vdash \exists temporary-proper-part Thing \sqsubseteq endurant \top \sqsubseteq \forall temporary-proper-part endurant
temporary-proper-part-of
\sqsubseteq proper-part-of \sqsubseteq temporary-part-of \vdash temporary-proper-part; \equiv inttp://www.loa-cnr.it/ontologies/DOLCE proper-part-of; \vdash \exists temporary-proper-part-of Thing \sqsubseteq endurant \vdash \exists temporary-proper-part-of endurant
time-of-q-presence-of
$ \begin{tabular}{l} \sqsubseteq mediated-relation-i \\ ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltime-of-q-presence-of; \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-present-at; $^-$ \\ \end{tabular} $
total-constant-participant
\sqsubseteq constant-participant $_{ m ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltotal-constant-participant; \equiv _{ m ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltotal-constant-participant-in;^- \exists total-constant-participant Thing \sqsubseteq perdurant \top \sqsubseteq \forall total-constant-participant endurant$

total-constant-participant-in
$ \sqsubseteq constant-participant-in $
total-temporary-participant
$ \sqsubseteq temporary-participant \\ ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltotal-temporary-participant-in \\ \vdots \\ \equiv ihttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owltotal-temporary-participant \\ \vdash \\ \exists total-temporary-participant Thing \\ \sqsubseteq perdurant \\ \vdash \\ \sqsubseteq \forall total-temporary-participant endurant $
total-temporary-participant-in
$ \sqsubseteq temporary-participant-in \\ \vdots \\ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owltotal-temporary-participant-in \\ \vdots \\ http://www.loa-cnr.it/ontologies/DOLCE-Lite.owltotal-temporary-participant-in \\ \exists total-temporary-participant-in \\ T \sqsubseteq \forall total-temporary-participant-in perdurant \\ T \sqsubseteq \forall total-temp$
weak-connection
$ \sqsubseteq \text{immediate-relation} \\ \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlweak-connection;} \\ \equiv \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlweak-connection;} \\ \equiv \text{jhttp://www.loa-cnr.it/ontologies/DOLCE-Lite.owlweak-connection;} \\ \equiv \text{weak-connection Thing} \\ \sqsubseteq \text{particular} \\ \top \\ \sqsubseteq \forall \text{ weak-connection particular} $

Data properties

Individuals

org.coode.owlapi.latex.LatexWriter@158c52c