**O15 occupied (was occupied by)**

Domain:

[S10](https://docs.google.com/document/d/16EuYBa9qmbUk1qS4lmI-HdCLTtAt-Ifq/edit#heading=h.3fwokq0) Material Substantial

Range:

[E53](https://docs.google.com/document/d/16EuYBa9qmbUk1qS4lmI-HdCLTtAt-Ifq/edit#heading=h.14ykbeg) Place

Equivalent to:

[E18](https://docs.google.com/document/d/16EuYBa9qmbUk1qS4lmI-HdCLTtAt-Ifq/edit#heading=h.3gnlt4p) Physical Thing. [P156](https://docs.google.com/document/d/16EuYBa9qmbUk1qS4lmI-HdCLTtAt-Ifq/edit#heading=h.1vsw3ci) occupies (is occupied by): [E53](https://docs.google.com/document/d/16EuYBa9qmbUk1qS4lmI-HdCLTtAt-Ifq/edit#heading=h.14ykbeg) Place

Scope note:

This property associates an instance of S10 Material Substantial with the instance of E53 Place that this substance occupied. It describes the space filled (occupied) by a physical matter. This property is the development of the shortcut expressed in the proposition of classification: “S20 Physical Feature” isA “E53 Place”. This property is equivalent to P156 occupies (is occupied by) with domain E18 Physical Thing and range E53 Place.

Examples: [...]

In First Order Logic:

O15(x,y) ⇒ S10(x)

O15(x,y) ⇒ E53(y)

E18(x) ∧ O15(x,y) ⇒ P156(x,y)

P156(x,y) ⇒ O15(x)