

# *Ligature*

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1903 | A Syllabus of Certain Topics of Logic | Peirce, 1903, p. 18; CP 4.407

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A collection composed of any line of identity together with all others that are connected with it directly or through still others is termed a *ligature*. Thus ligatures often cross cuts, and, in that case, are not graphs.

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1903 | A Syllabus of Certain Topics of Logic | Peirce, 1903, p. 22; CP 4.416

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The totality of all the lines of identity that join one another is termed a *ligature*. A ligature is not generally a graph, since it may be part in one area and part in another. It is said to lie within any cut which it is wholly within.