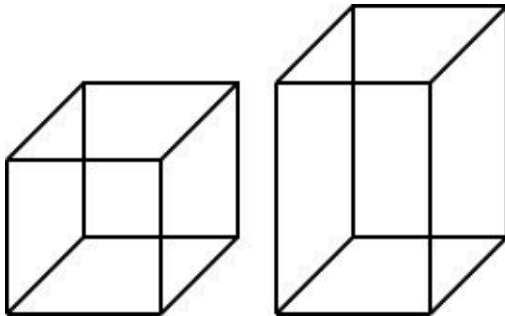


The holes problem

Right now, the Cuypers system works with boxed layouts. The presentation elements are grouped in boxes, that are grouped with other boxes creating bigger boxes that will be further grouped with another boxes,...Just like a LEGO.

Example 1

Two three-dimensional media items:



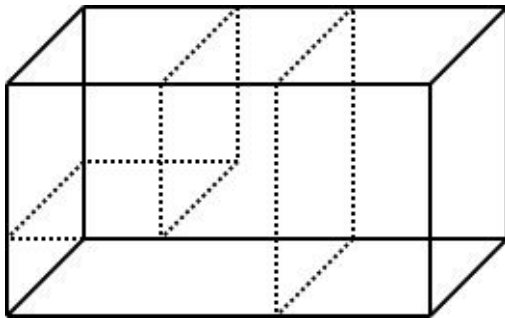
are related in this way.

A -- t , e -- B

A -- x, b -- B

A -- y, s -- B

which ends with this representation:



The two boxes have been combined in a bounding box that could be further combined.

Using a boxed architecture has one big advantage: it's computationally fast to manage blocks. On the other side, sometimes is too big grained, as a box can be mostly empty if the size of the elements inside greatly differ. The question is: how to get a finer treatment without increasing too much the complexity.

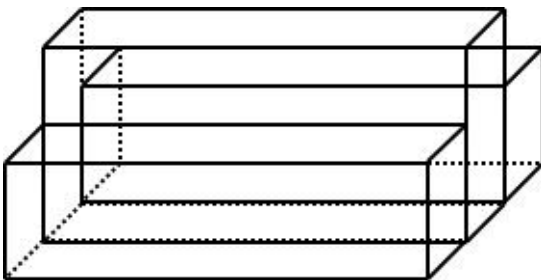
Example 2

We have:

Text title (A):



Sequence of images (B composed of B1,B2,B3):



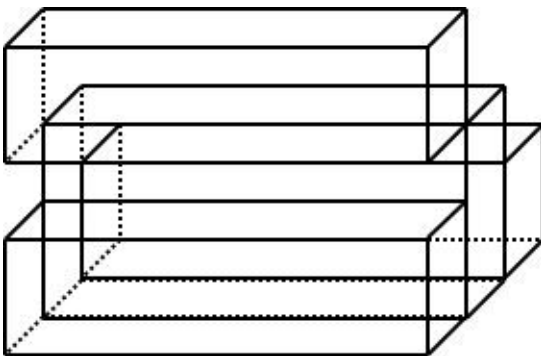
And we make this relations relation:

X-dim: A equal B

Y-dim: A meet B

T-dim A start B

With the Cuypers system as it is now what we get would be this:



When what we would like to get is the title just meeting B1. That is A meeting the block B considering ONLY the part of B that occurs at the same time that A.

To get something like this:

