Foresight of a container

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i_n is an idea

t_x is a time

t_0 is now

$t_x \forall x < 0$ is in the past

$t_x \forall x > 0$ is in the future

c_z is a container of ideas

$p(i_n)$ is the popularity of an idea
it's the number of containers that hold the idea

$p(i_n, t_x)$ is the popularity of an idea at a certain time

$$p(i_n) = p(i_n, t_0)$$

$f(c_z)$ is the foresight of a container

$f(c_z, i_n)$ is the foresight of a container about a particular idea

$h(i_n, t_x, c_z)$ is 1 when c_z holds i_n, 0 otherwise

$$f(c_z, i_n) = p(i_n) \left[\sum_{\{x|x<0\}} \left(\frac{h(i_n, t_x, c_z)}{p(i_n, t_x)} |x|^w \right) \right]$$

$$f(c_z) = \sum_n f(c_z, i_n)$$

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