The process of construal


## The key semantic principle in EM

How is the connection between the construal and the referent established in the experience of the human observer?
"By embodying in the construal the pattern of observables, dependencies and agencies that we encounter in the referent"



Dependencies in the digit line-drawing construal
$17=$ if on7 then $[\mathrm{p} 5, \mathrm{p} 6]$ else $[\mathrm{p} 5, \mathrm{p} 5]$


Dependencies in the flawed projection of the filing cabinet

## Improving the construal of the drawer

## \%donald

within cabinet \{
within drawer \{
$S=[\sim / N W-\{0$, length * (1-open) $\}, \sim / N E-\{0$, length * (1-open) $\}]$ $W=[\sim / N W+\{0$, length * open $\}, \sim / N W-\{0$, length * (1-open) $\}]$ $\mathrm{E}=[\sim / \mathrm{NE}+\{0$, length * open $\}, \sim / \mathrm{NE}-\{0$, length * (1-open) $\}]$ $N=[\sim / N W+\{0$, length $*$ open $\}, \sim / N E+\{0$, length * open $\}]$ length $=\sim /$ length $* 1.0$
\}

## Original construal of the drawer

\%donald
within cabinet \{
within drawer \{
length $=\sim /$ length $*$ open
$N=[\sim / N W+\{0$, length $\}, \sim / N E+\{0$, length $\}]$
$S=[\sim / N W, \sim / N E]$
$W=[\sim / N W+\{0$, length $\}, \sim / N W]$
$E=[\sim / N E+\{0$, length $\}, \sim / N E]$
\}
\}


Dependencies in the improved construal of the filing cabinet

