$in(alan, R) \leftarrow$

   $teaches(alan, cs322) \wedge$

   $in(cs322, R).$

$grandfather(william, X) \leftarrow$

   $father(william, Y) \wedge$

   $parent(Y, X).$

$slithy(toves) \leftarrow$

   $mimsy \wedge borogroves \wedge$

   $outgrabe(mome, Raths).$