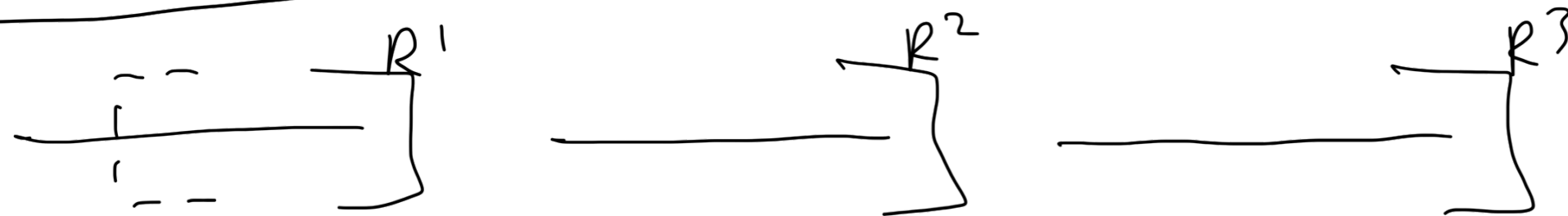


Basic alg (overlapping sorted ranges)



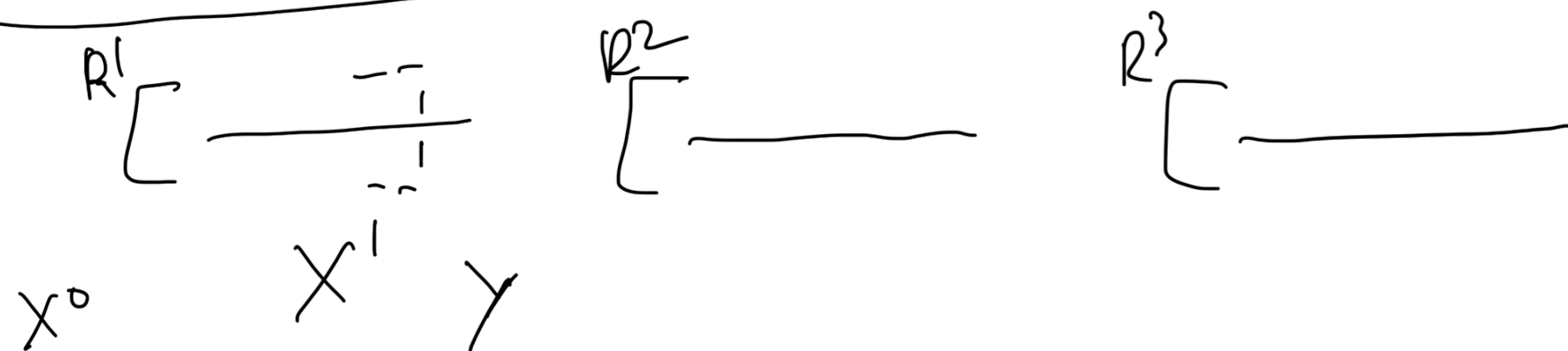
x^0 x^1 y

$x^0: x^0 \notin R^1$
but maybe in
other

$x^1: x^1 \in R^1$

$y: y > R^1 \text{ end, so}$

skip R^1



x^0 x^1 y

$x^0: x^0 \notin R^1$ and
all R start later,
skip x^0

$x^1: x^1 \in R$

$y: R^1 \text{ end} < y:$

skip R^1