XACML defines language to carrey

as well as an access becision process

policy administration point

rolicy decision point evaluates policy + returns access decision
rolicy enforcement point enforces decisions

policy information point 20vice of attributes

attributes are associated with subjects, objects, actions & environment (context

Policyset contains policies, which contain rules torget defines when rolling is applicable

contining algorithms for policies & rules

Torget Condition

Tule

policy composes rules together obligation

Larget contains Conjunctive Requere of Cayoff (anyof) contains disjunctive Represe of (allof) (allof) cortains conjunctive sequence of (match) (noteh) defines an atomic access constraint

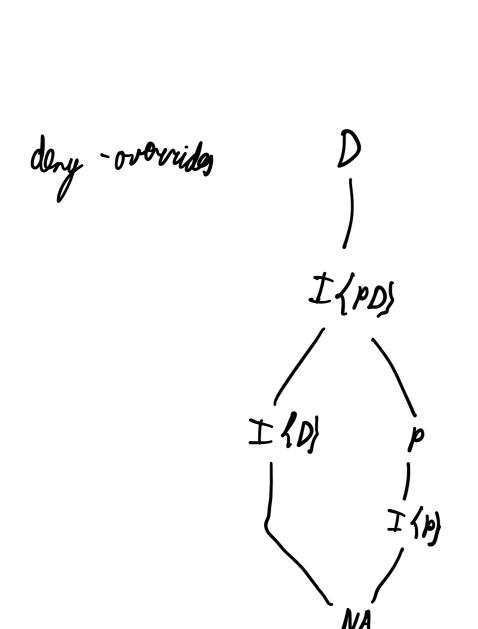
regnest specifies attributes of subject/environment/...

echad indeterminate of
$$I\{P\}$$
 $I\{D\}$

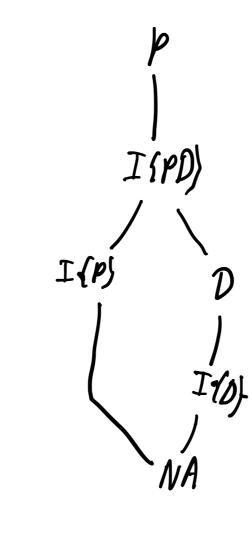
$$I \{P\} \rightarrow I \qquad I \rightarrow I \{PD\}$$

$$I \{D\} \rightarrow I$$

$$I \{PD\} \rightarrow I$$



permit-overrides



first-applicable return decision of first applicable roley i.e. the furtine which does not coturn NA

if I subrules/policies are applicable return the result of that rule / policy if more than 1 20t rules prolines are applicable, return indeterminate