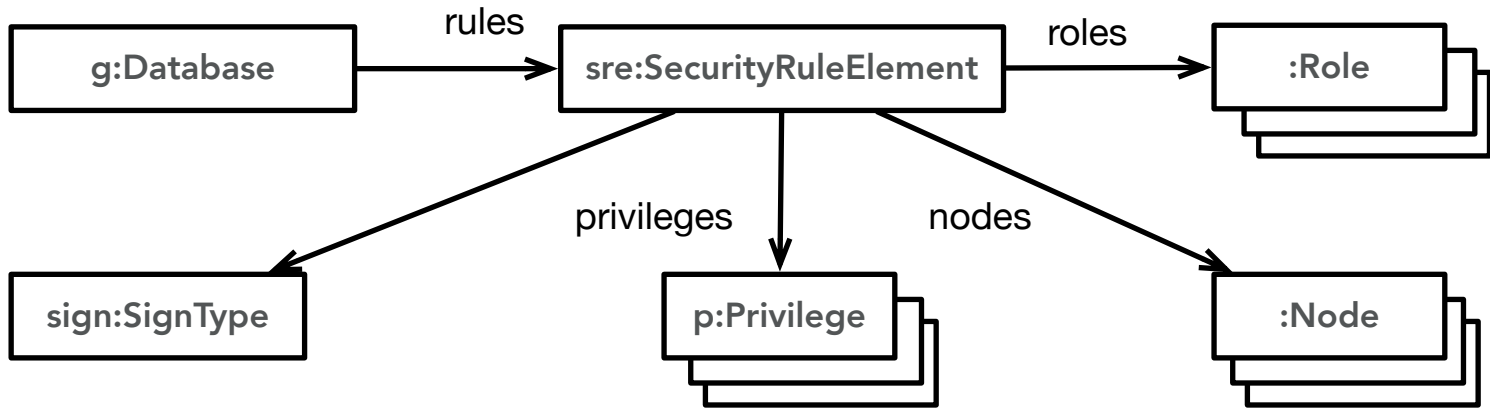


**GenerateSecurityPolicyForNodes** (sign:SignType, p:Privilege, g:Database, nodes:Node[\*], roles:Role[\*])



where

```
action=null; nodeList=null; roleList=null; securitypolicy=null;
```

```
switch (p)
```

```
case Read: action = "MATCH";
```

```
case Create: action = "CREATE";
```

```
case Delete: action = "DELETE";
```

```
case Update: action = "SET PROPERTY {*}";
```

```
foreach n:Node in nodes: nodeList += n.name;
```

```
foreach r:Role in roles: roleList += r.name;
```

```
switch (sign)
```

```
case '+': securitypolicy= "GRANT";
```

```
case '-': securitypolicy = "DENY";
```

```
securitypolicy += action + "ON GRAPHS" + g.name + "NODES" + nodeList + "TO" roleList;  
return securitypolicy
```