



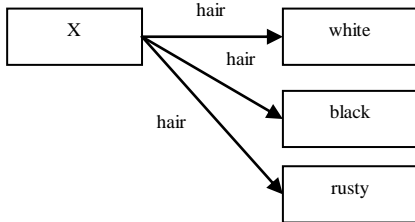




## Creating a knowledge base

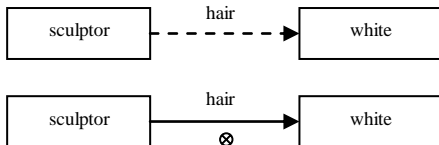
### Demonstration 1

→ **hair**(X, white), **hair**(X, black),  
**hair**(X, rusty)



### Demonstration 2

**hair**(sculptor, white) →



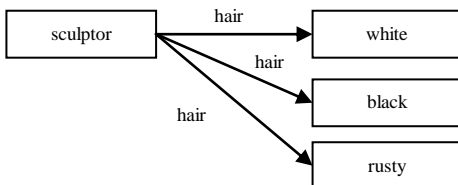
We can rewrite any network with antecedent by negation to a network with consequent. In our case it is unwanted.

## Deduction

### Demonstration 3

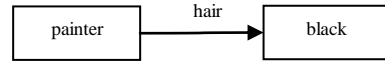
substitution {sculptor/X} into 1.

→ **hair**(sculptor, white),  
**hair**(sculptor, black),  
**hair**(sculptor, rusty)



## The result of the derivation by rules

→ **hair**(painter, black)



## 5. Acknowledgment

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## 6. References

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