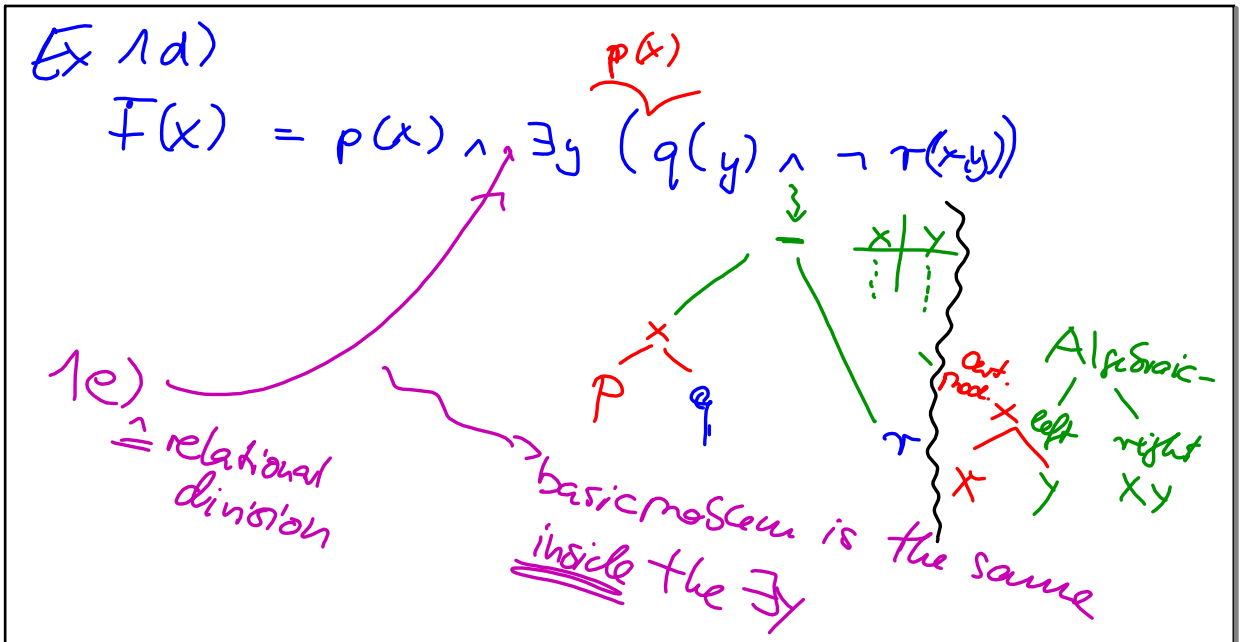
Ex 1d)

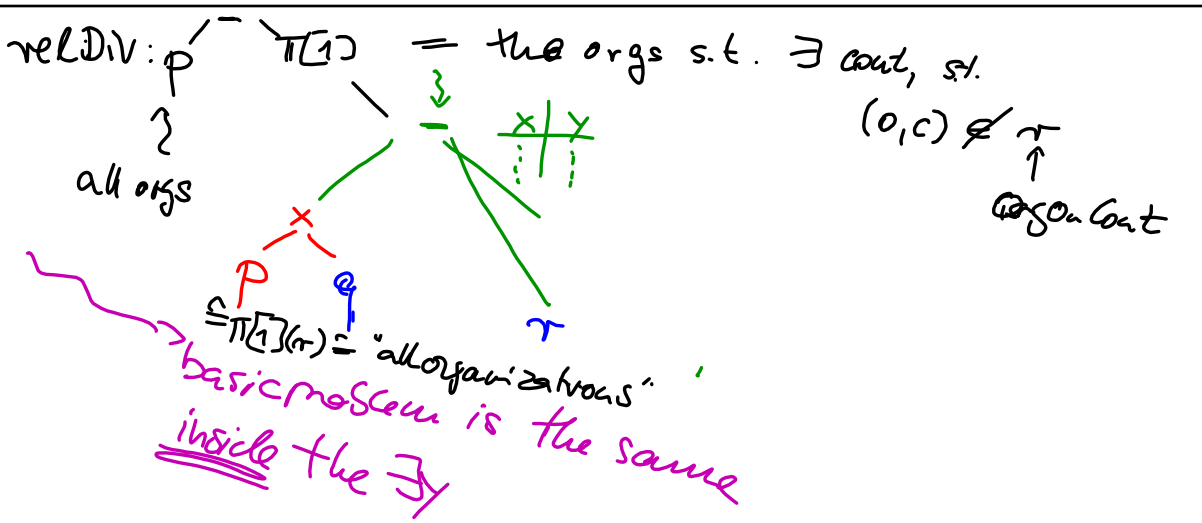
$F(x) = p(x) \wedge \exists y\,(q(y) \wedge \neg r(x,y))$



1e)

≙ relational division

basicmoscow is the same inside the ∃



Resolution calculus:

- different from the above, where conjunctive formulas played a big role.
- disjunctive clauses

$(a \vee b) \wedge (\neg b \vee c) \wedge \neg c$

$\{a, b\}$ $\{\neg b, c\}$ $\{\neg c\}$

"car-based reasoning" $b \vee \neg b$

$\{c, a\}$ $\{c\}$

$\{a\}$