

$$1a) R\phi := \rho_{\text{COKUMERESIDENZA} \leftarrow \text{CODICE}} \sigma_{\text{CITTA} = \text{Montova}} \text{CO}$$

$$RIS := A2 \bowtie \rho_{\text{ADMINISTRATORE} \leftarrow \text{CF}} \pi_{\text{CF}} (PE \bowtie R\phi)$$

$$1b) ED-ED \bowtie \left(\pi_{\substack{\text{CODICEEDIFICIO,} \\ \text{CODICECANTIERE}}}, \left(\sigma_{\text{Mq} < 300} \cup M \right) \right)$$

$$1c) R\phi := \pi_{\text{ORELAVORATE}} (LA)$$

$$R1 := \rho_{\text{ORE} \leftarrow \text{ORELAVORATE}} (R\phi)$$

$$R2 := R\phi - \pi_{\text{ORELAVORATE}} \left(\sigma_{\text{ORELAVORATE} < \text{ORE}} (R\phi \bowtie R1) \right)$$

$$RIS := PE \bowtie \pi_{\text{CF}} (R2 \bowtie LA)$$

RIS indica la relazione risultata

$$1a) R\phi := \rho_{\text{SINDACO} \leftarrow \text{CF}} \left(\pi_{\text{CF}} \left(\sigma_{\text{COSI} \text{ NO} \text{ ME} = \text{Rosa} \wedge \text{NO} \text{ ME} = \text{Mario}} \text{PE} \right) \right)$$

$$\text{RIS} := \text{PE} \bowtie \rho_{\text{COMUNE} \text{ RESIDENZA} \leftarrow \text{CODICE}} \left(\pi_{\text{CODICE}} (\text{CO} \bowtie R\phi) \right)$$

$$1b) \pi_{\text{VIA, NCIVICO, COMUNE}} (\text{CA} \bowtie (\pi_{\text{AZIENDA, COMUNE}} (\rho_{\text{AZIENDA} \leftarrow \text{PIVA}} \text{AZ})))$$

$$1c) R\phi := \pi_{\text{COMUNE, AZIENDA}} (\text{CA})$$

$$\text{R1} := (\rho_{\text{AZIENDA} \leftarrow \text{PIVA}} \pi_{\text{PIVA}} (\text{AZ})) \bowtie (\rho_{\text{COMUNE} \leftarrow \text{CODICE}} \pi_{\text{CODICE}} (\text{CO}))$$

$$\text{RIS} := \text{AZ} - \text{AZ} \bowtie \rho_{\text{PIVA} \leftarrow \text{AZIENDA}} (\pi_{\text{AZIENDA}} (\text{R1} - R\phi))$$

$$1d) R\phi := \sigma_{\text{DATA} \geq 1/1/2008 \wedge \text{DATA} \leq 31/12/2008} \text{LA}$$

$$\text{R1} := \pi_{\text{CODICE CANTIERE, ORE LAVORATE}} R\phi$$

$$\text{R2} := \rho_{\text{ORE} \leftarrow \text{ORE LAVORATE}} (\text{R1})$$

$$\text{R3} := \text{R1} - \pi_{\text{CODICE CANTIERE, ORE LAVORATE}} \left(\sigma_{\text{ORE LAVORATE} < \text{ORE}} (\text{R1} \bowtie \text{R2}) \right)$$

$$\text{R4} := \text{PE} \bowtie \text{LA} \bowtie \text{R3}$$

$$\text{R5} := \rho_{\text{CODICE} \leftarrow \text{CODICE CANTIERE}} \left(\pi_{\text{COI} \text{ NO} \text{ ME, NO} \text{ ME, ORE LAVORATE}} (\text{R4}) \right)$$

$$\text{RIS} := \text{CA} \bowtie \text{R5}$$

RIS mostra la relazione risultante