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Experiment 3

Ans 1. $\sigma_{\text{my year} > 1997}(\text{Movies})$

Ans 2. $\sigma_{\text{my year} > 1997 \wedge \text{director} = \text{'Hansen'}}(\text{Movies})$

Ans 3. $\pi_{\text{title, rating}}(\text{Movies})$

Ans 4. $\pi_{\text{actor}}(\text{Actors}) \cup \pi_{\text{director}}(\text{Directors})$

Ans 5. $e_1 = \pi_{\text{title}}(\sigma_{\text{actor} = \text{'McDormand'}}(\text{Acts}))$
 $e_2 = \pi_{\text{title}}(\sigma_{\text{director} = \text{'Coen'}}(\text{Movies}))$

result = $e_1 \cap e_2$