Hands On 05

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1) A = \pi first_name, last_name (actors)
    B = \pi first_name, last_name (directors)
    A \cap B
2) A = \pi first name, last name (actors)
    B = \pi first_name, last_name (directors)
    A - B
3) A = \pi first_name, last_name (actors)
    B = \pi first_name, last_name (directors)
    A \cup B
4) A = \pi \text{ id (movies)}
    B = \pi \text{ movie\_id (movies\_directors)}
    C = A - B
    D = \rho \text{ id} \text{movie} \leftarrow \text{id} (C)
    E = D \bowtie id_movie = id movies
    \pi name (E)
5) A = y actor id; count(movie id)\rightarrowTotal (roles)
    B = \sigma \text{ Total} >= 2 (A)
    C = \pi \operatorname{actor\_id}(B)
    D = \pi id (actors)
    E = D - C
    F = \rho id \ a \leftarrow id (E)
    G = F \bowtie id \ a = id \ actors
    π first_name, last_name (G)
6) A = γ movie_id; count(actor_id)→Total ( roles )
    B = \sigma \text{ Total} >= 2 (A)
    C = \pi \text{ movie\_id} (B)
    D = \pi id \text{ (movies)}
    E = D - C
    F = \rho \text{ idmovies} \leftarrow \text{id} (E)
    G = F \bowtie idmovies = id movies
    H = G \bowtie id = movie\_id movies\_genres
    y genre, year;count(id)→Total ( H )
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