

Homework n.1 - Bruno Palermo s272052

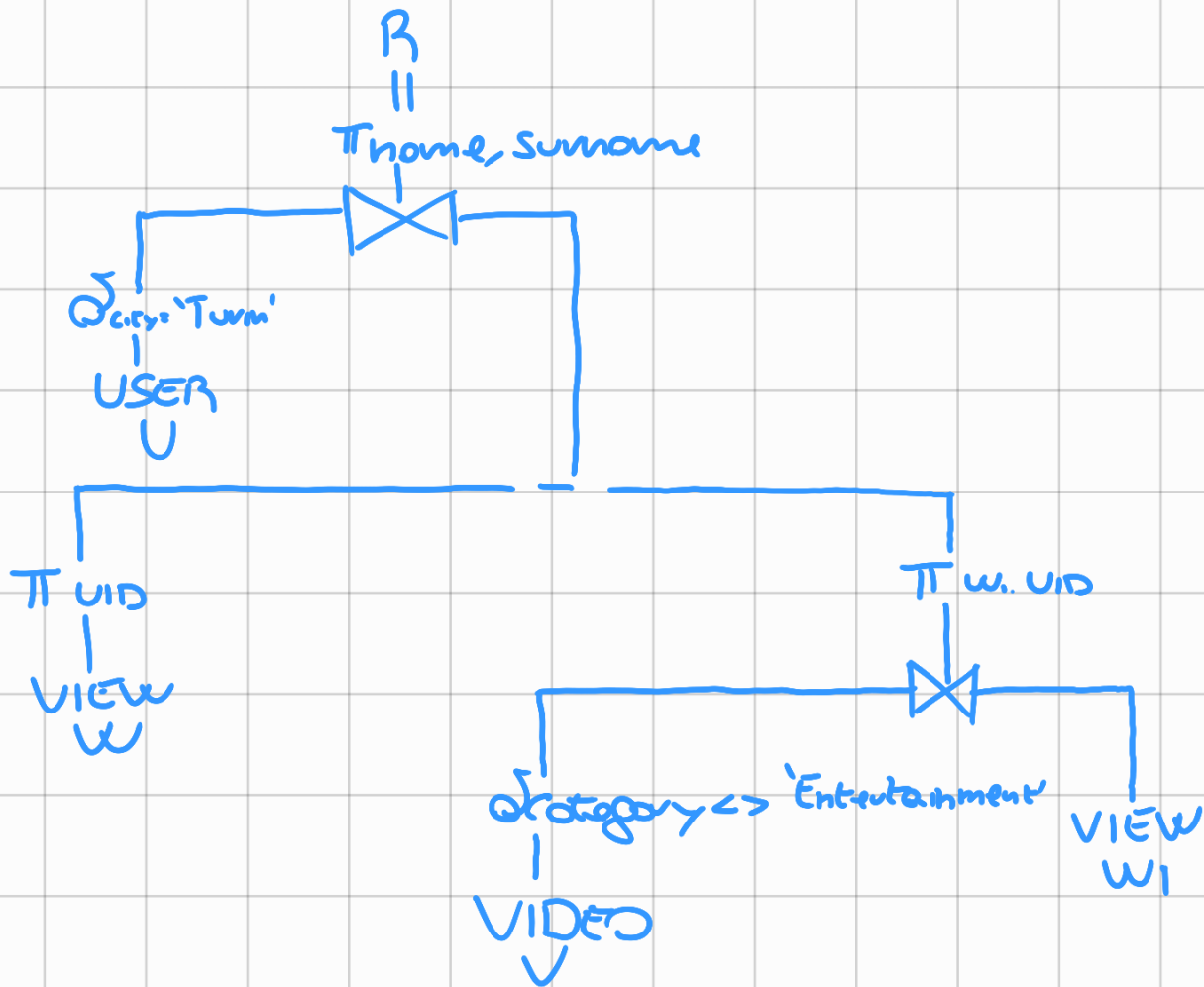
Relational Algebra

USER(UID, Name, Surname, DateOfBirth, City)

VIDEO(VID, Title, Category)

VIEW(UID, VID, # Views)

- ① Show name and surname of users living in Turin who have viewed only videos in the category Entertainment.

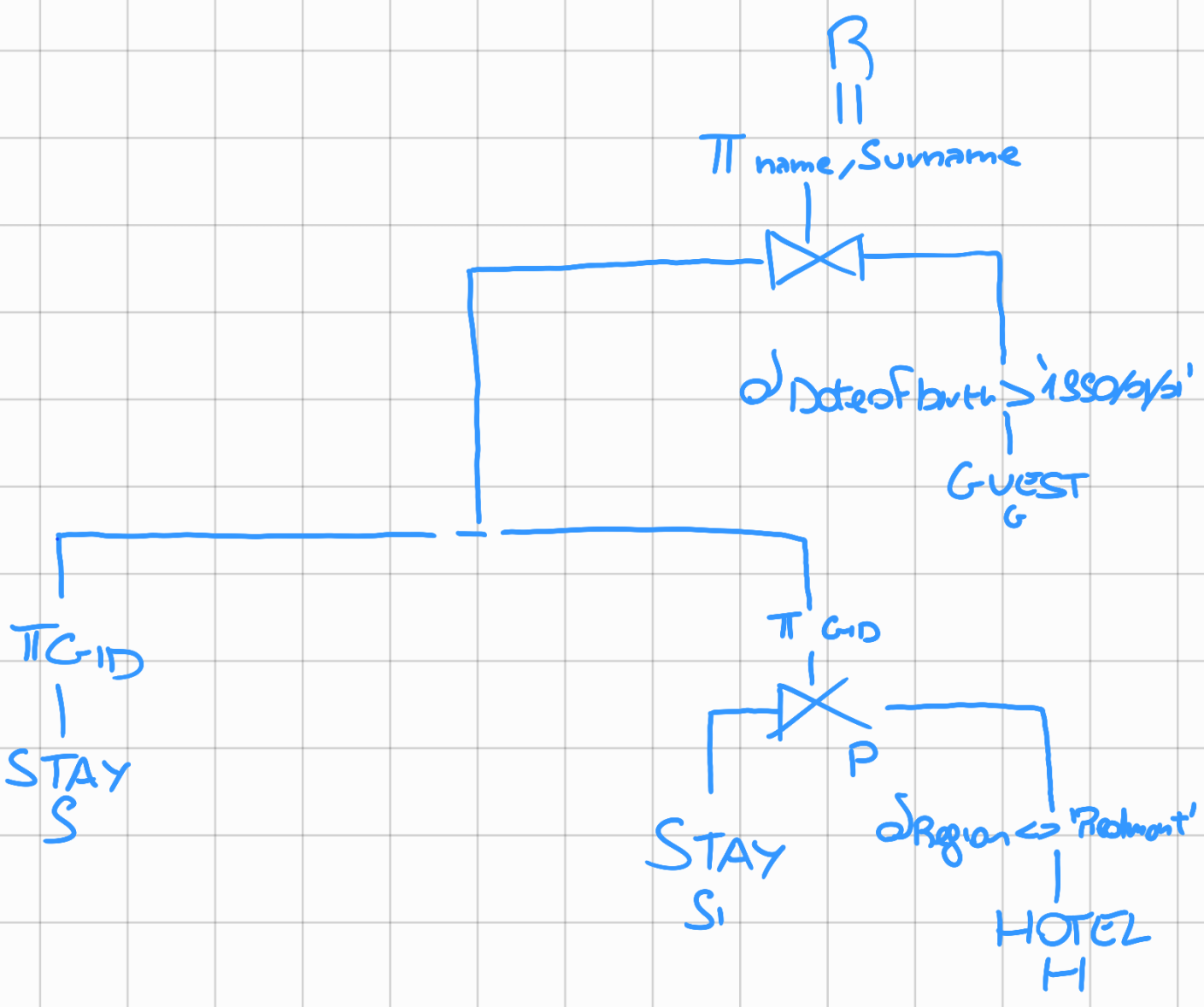


2

GUEST (GID, Name, Surname, DateOfBirth)
HOTEL (HID, Name, City, Region, # Stars)
STAY (GID, HID, StartDate, EndDate)

a

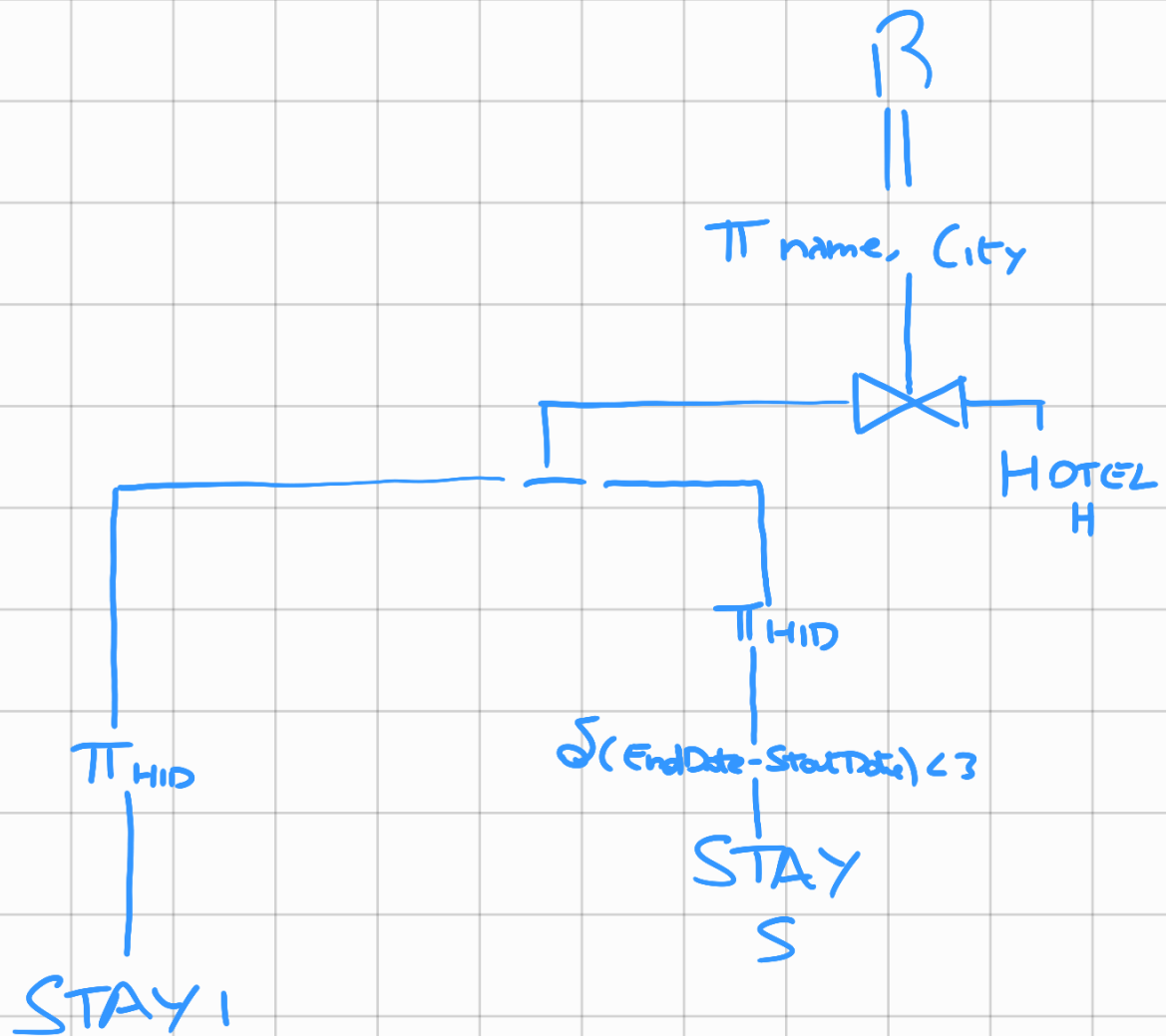
Show name, surname of guests born after 1990/01/01 who have stayed only in hotels located in Piedmont



P: S.HID = H.HID

5

Show name and city of hotels that have never hosted clients for stays shorter than 3 days



3

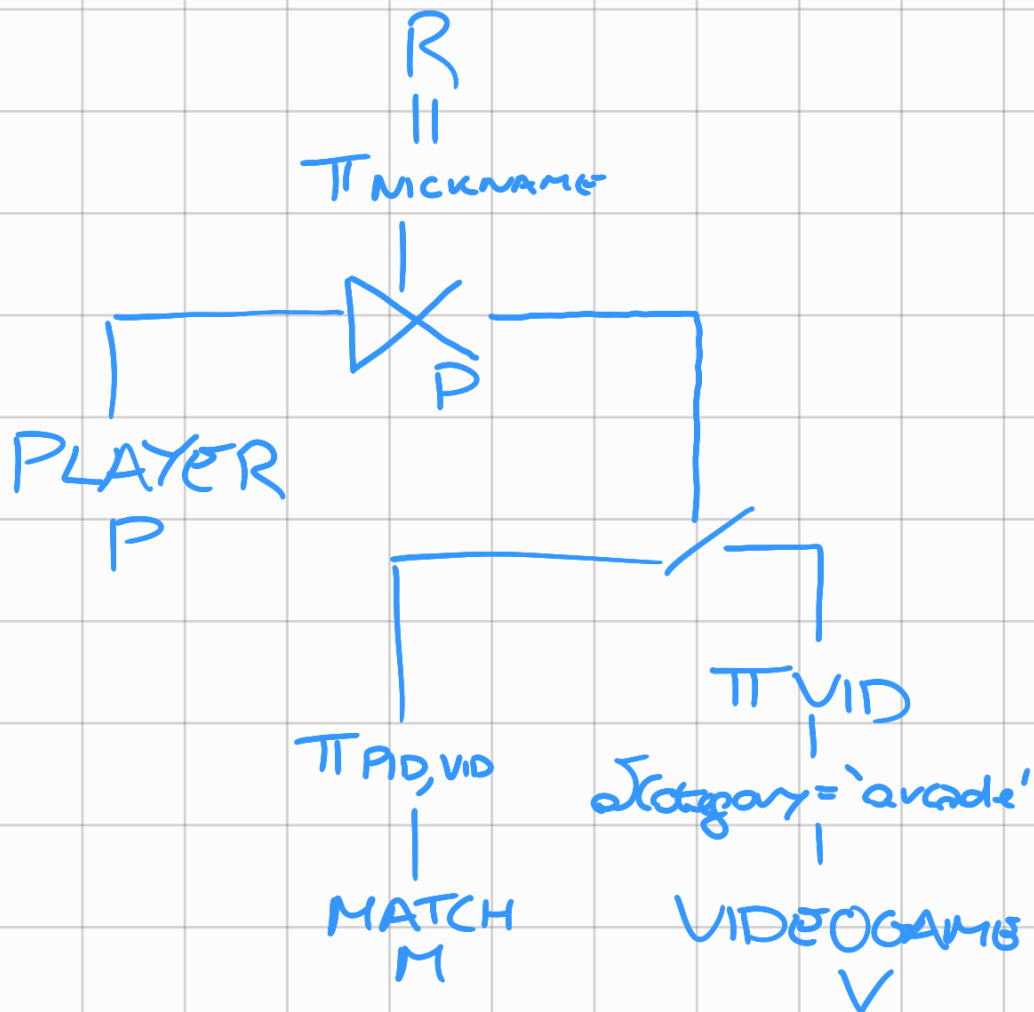
PLAYER (PID, Nickname, DateOfBirth, Country)

VIDEOGAMES (VID, Name, Category)

MATCH (PID, VID, Date, # Hours)

Q.

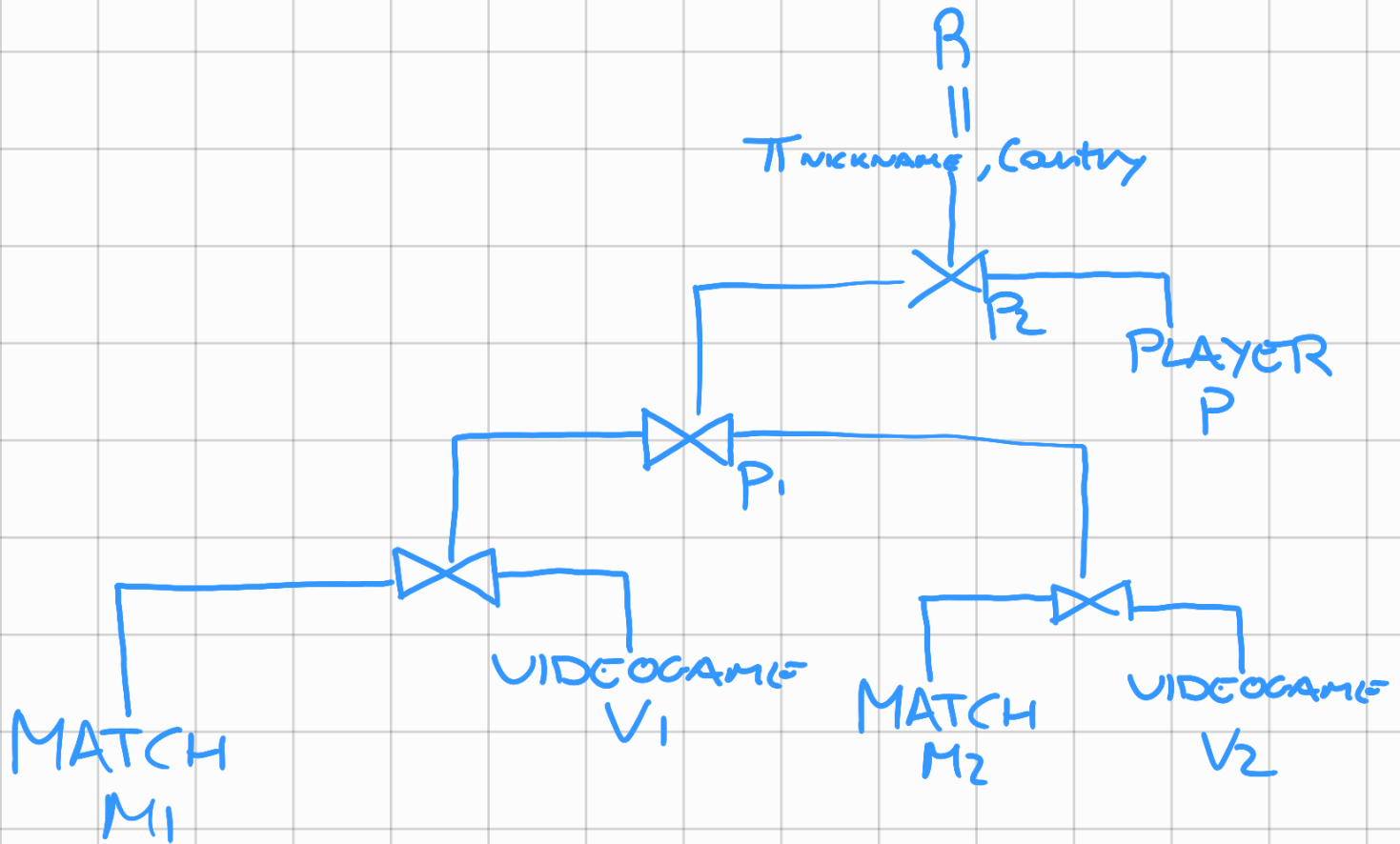
Show nicknames of players who have played all videogames belonging to category arcade



P: P.PID = M. PID

5

Show nickname and country of players who played, on the same date, two different videogames belonging to same category.



P_1 : $M_1.PID = M_2.PID$ AND $M_1.Date = M_2.Date$
 AND $V_1.Category = V_2.Category$ AND
 $V_1.VID \neq V_2.VID$

P_2 : $P.PID = M_1.PID$