- a) The person-name (Trity = 'Miami' (employee))
- b) Theoreon\_name (Tsalary > 100000 (works))
- C) Therson-name ( $\sigma_{city} = miami' (employee)$ )  $\Pi$ Therson-name ( $\sigma_{city} = miami' (employee)$ )  $\Pi$
- (d) temp = employee extemployee.person\_nume = works.person\_nume)(Works)

  Tt
  ID, person\_nume ( Company\_name = BigBank' (temp))
- (e) TID, person\_name (temp) Themp.ID, temp.person\_nume (
  temp M (temp.salary & temp2.salary) (Ptemp2 (temp)))
- (f) R2 = Tcompany\_name = 'BigBank' (temp))
  TID, person\_name, city (R2)
- (2)  $R3 = \sigma_{\text{salary} > 10000}(R2)$  $\pi_{\text{ID, pelson\_name, street, city}}(R3)$
- (h) TID, person-nume (employee Memployee.city=company.city (company))

- a. TV\_ID, name ( Odept\_name = `physics' (instructor)) D. TI ID, nume (instructor W instructor.dept\_nume = deputment.dept\_nume (deputment))

  A deput ment. building = watson C. RI = TCourse\_id, dept\_name (Section M section.course\_id (course))
  = course.course\_id R2 = TI\_ID, name, course\_id (Student M student.ID=takes.ID (takes)) TT\_ID, nume (RIM RI. course\_id = R2. course\_id (R2))

  A RI. dept\_nume = comp\_sci' d. Tl ID, name (Student student. ID = takes. ID (takes))

  1 takes. year = 2018
- C. TI\_ID, name (Student student. ID = takes. ID (takes))

  1 takes. year \$ 2018