מגיש: רועי ראובני 209073352

א. $\sigma_{year=2000}(stud)$

ב. $\pi_{id}(\sigma_{year=2000}(stud))$

ג. $\pi_{id,grade}(\sigma_{year=2000}(stud \times stud\_course))$

ד. From down up: $\pi_{id}(\sigma_{s_1.id=s_2.id} \sigma_{s_1.grade<s_2.grade} \sigma_{s_1.course\_name=algo\ AND\ s_2.course\_name=db} \rho_{s_1}(stud\_course) \times \rho_{s_2}(stud\_course))$

ה. From down up: $\pi_{name}(stud) -$

$\pi_{s_3.name}$

$\sigma_{s_1.id=s_2.id}$

$\sigma_{s_1.grade \geq s_2.grade}$

$\sigma_{s_1.course\_name=algo\ AND\ s_2.course\_name=db}$

$\rho_{s_1}(stud\_course) \times \rho_{s_2}(stud\_course) \times \rho_{s_3}(stud))$