Q4.

$$\left[\pi \{ s.snum, s.sname \} \left(\sigma(s.year > 2)(\rho_s(student)) \right) \right]$$

$$- \left[\pi \{ s.snum, s.sname \} \left(\sigma(s.snum = m.snum \wedge m.grade < 85 \wedge m.cnum \ LIKE \ 'CS\%.') \right. \right.$$
$$\left. \left. (\rho_s(student) \times \rho_m(mark)) \right) \right]$$

$$- \left[\pi \{ s.snum, s.sname \} \left(\sigma(s.snum = e.snum \wedge p.dept \neq 'CS' \wedge c.pnum = p.pnum \right. \right.$$
$$\wedge \ e.cnum = c.cnum \wedge e.term = c.term \wedge e.section = c.section)$$
$$\left. \left. (\rho_s(student) \times \rho_e(enrollment) \times \rho_c(course)) \right) \right]$$