## HW13a

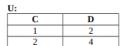
Saturday, March 4, 2023 5:46 PM

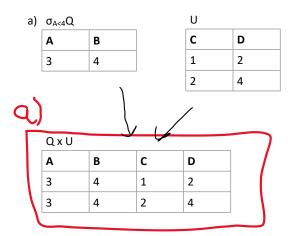
 Use the relations given below to evaluate the relational expressions or explain why the expression is invalid. 2 give results arithmetic operations are lower precedence than select/project/etc.

- a)  $\sigma_{{}^{A \!<\! 4}}\! Q \!\times U$
- $b) \ \pi_{\scriptscriptstyle{A}} \sigma_{\scriptscriptstyle{B \leq A}} Q$
- c)  $\pi_{BE}(R \times \pi_{CE}S)$
- d)  $Q \cup \pi_B R$
- e)  $\pi_{\text{CDE}}(\sigma_{\text{B<2}}R \times \rho_{\text{C}\leftarrow\text{E}}U) S$

Q:		R:	
A	В	В	С
5	1	1	4
6	1	2	4
4	2	2	5
3	4	3	6
		3	9

S:		
C	D	E
4	1	1
4	2	1
3	3	2
2	4	2





2 are invalid

