

Section 2.2: cont'd

Monday, October 26, 2015
10:31 AM

Assign 3 due on Tues, Nov 3

Assign 4 due on Tues, Nov 10

Test #2 on Fri Nov 13

⇒ covers 1.11, 1.12, Chapter 2, and Chapter 3

⇒ formula sheet

example: write an operation or sequence of operations to list the course, instructor, and phone number for all Math 185 sections

perfectly acceptable answer #1:

$$\pi_{\text{course, Instructor, phone}}(\sigma_{\text{course} = \text{"Math 185"}}(\text{CLASSES} \bowtie \text{FACULTY}))$$

perfectly acceptable answer #2:

$$\pi_{\text{course, Instructor, phone}}((\sigma_{\text{course} = \text{"Math 185"}}(\text{CLASSES})) \bowtie \text{FACULTY})$$

and, for this particular example you can also get away with

$$\sigma_{\text{course} = \text{"Math 185"}}(\pi_{\text{course, Instructor, phone}}(\text{CLASSES} \bowtie \text{FACULTY}))$$

ok because we are retaining

the course information

example: write an operation or sequence of operations to give the course, instructor, and office for all 5 hour per week courses

$\pi_{\text{course, instructor, office}} (\sigma_{\text{Hoursperweek} = 5} ((\text{CLASSES} \bowtie \text{HOURS}) \bowtie \text{FACULTY}))$
" " " " $((\text{CLASSES} \bowtie \text{FACULTY}) \bowtie \text{HOURS})$