

Exercise 4

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1 EXERCISE 1

DP Table		
Problem	Join Tree	Cost
$\{A\}$	A	10
$\{B\}$	B	20
$\{A, B\}$	$B \bowtie A$	100
$\{C\}$	C	100
$\{A, C\}$	$C \bowtie A$	1.000
$\{B, C\}$	$C \bowtie B$	200
$\{A, B, C\}$	$(C \bowtie B) \bowtie A$	1.200
$\{A, B, C\}$	$(C \bowtie A) \bowtie B$	2.000
$\{A, B, C\}$	$(B \bowtie A) \bowtie C$	1.100

Figure 1.1: Example relations

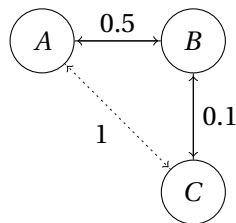


Figure 1.2: Query graph with cardinalities