

Student Name: _____

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Quiz 9. Choosing order of joins

Below are the vital statistics for four relations, W, X, Y, and Z:

Relations:

W (a, b), X (b, c), Y(c,d), Z(d,a)

Statistics:

$T(W) = 100$ $T(X) = 200$ $T(Y) = 300$ $T(Z) = 400$

$V(W, a) = 20$ $V(X, b) = 50$ $V(Y, c) = 50$ $V(Z, d) = 40$

$V(W, b) = 60$ $V(X, c) = 100$ $V(Y, d) = 50$ $V(Z, a) = 100$

Give the dynamic-programming table entries that evaluates all possible join orders allowing Left-deep trees only. (Use the back of the page if needed).

What is the best choice?

The best order is: _____