

Dear Prof. Kirby,

Regarding the Relative Error problem for the Repetitive Nearest Neighbor Algorithm, re: the traveling salesperson problem, would the following be correct?

1. In a given route, let's say set {A,B,C,D,A} if the the cheapest route is \$105 and the approximate repetitive NNA route for, let's say, B, is \$122, then the relative error for that route would be $122-105 = 17/105 = .01619$ or 16.2 percent?

2. In a given route, let's say set {E,F,G,H,E}, if the relative error is 7.6 percent and the cheapest route is \$228, then approximate NNA is $228 \times 1.076 = 245.32$ or \$245 rounded off to the nearest whole number?

3. In a given route, let's say set {F,G,H,I,F}, if the relative error is 25.9 percent and the approximate NNA for a given route is \$2,389, then the cheapest NNA would be $2,389/1.259 = 1,897.537$ or \$1,898 rounded off to the nearest whole number?

Babylonian Numerals

Symbols: < = 10 I = 1

Number 269: [(IIII (240) << (20) IIIIIIIII (9)] or IIII <<IIIIIIII

Number 574: [IIIIIIIIII (540) <<<IIII (34)] or IIIIIIIII <<<IIII

Number 83: [I (60) <<III] or I <<III

Are these correct?

Thank you.

Phillip Weiss