Lets say you have two orders that are placed within a short span of each other (let's say 1 minute). The first order's pickup location is A, and destination D. The second order's pickup location is B, and destination is C. Assume that you've been provided with geopolylines A-D and B-C representing the path between A and D, and B and C respectively. Come up with an algorithm that will efficiently determine whether the geo-polyline resulting from combining A-D and B-C has a negligible detour and thus warranting for the two orders to be done by one person.

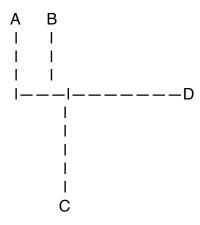
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Here are three visual examples:
EXAMPLE 1:
AD BC
Combining these two geo-polylines will result in:
A-BCD
The resultant geo-polyline has no detours thus warranting for the two orders to be done by one person.
EXAMPLE 2:
AD B I IC
Combining these two geo-polylines will result in:
B I AIC
The resultant geo-polyline has a negligible detour thus warranting for the two orders to be done by one person.
EXAMPLE 3:
A I I

| | | | | | C

Combining these two geo-polylines will result in:



The resultant geo-polyline has a significant detour thus warranting for the two orders to be done by different people.