

Thesis Title	Finding the Number of Shortest Paths in Three Dimensional Square Lattices
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ABSTRACT

In this thesis, we construct an algorithm for finding the number of shortest paths in three dimensional square lattices for three cases. In the first case, each path does not pass through the given segments, in the second case, each path does not pass through the given points, and finally, in the third case, each path does not pass through the given segments and points.