On Optimizing Inserting Sequence on Printed Circuit Board

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abstract

Manufacturability of printed circuit boards is a fertile area for operation researchers to aid in productivity improvements for the electronics industry. This Problem is well known and studied by many others. Here, we study optimal Inserting Sequence with given container(bin) location. Until now, This Problem is formulated by Traveling Salesman Problem or Rural Postman Problem. They concentrate more elements(chips) inserting. But we concentrated on Containers(Bins). We can formulate 0-1 Integer Propram more ease than Traveling Salesman Problem. This 0-1 Integer Program can use LP Package (i.e LINDO, GAMS etc).