Differences between SNP Heuristics modes

Purpose
The purpose of this document is to explain and differentiate the three logics of SNP Heuristics which can be used in SNP.

Overview
The SNP heuristic plans demand over the entire supply chain network (cross-location planning) and creates a medium-term production and distribution plan. It does not take into account any constraints or costs, which means that the plan created will not necessarily be feasible.

Here we will cover the basic differences between Location, Network and Multilevel Heuristics.

Location Heuristics
The system plans the specified products in the specified locations, and allows selecting part of the model to be planned. It also propagates requirements to sources, at only one level. This is the most simple way to test or run SNP Heuristics and to see its basic behavior.

Network Heuristics
The system plans the specified products at all specified locations in the network to which the selected product is assigned (i.e. if you have product X in locations 10, 11 and 12, Network Heuristic plans for X at 10, X at 11, and X at 12). The system explodes dependent demand for one BOM level at the first production location encountered in the planning direction. However, dependent demand is neither satisfied nor further propagated through the supply chain as in the Multi-Level Heuristics.
Multilevel Heuristics

The system plans all products specified at all locations, whether they are finished, intermediary, or purchased goods from the highest level down to the lowest BOM level. In other words, the system plans all products specified, including all dependent demand (i.e. product X needs Y to be produced, and Y is made of Z. Multilevel Heuristics plan the three products when selecting X only).

The Multi-Level Heuristic is performed across all locations to which the selected products are assigned, as well as across all locations to which dependent products are assigned.

For multilevel Heuristics the SNP LLC(low-level code) determination is very important, as it determines the level of the products.

Related Content

Related Documents

SNP Heuristic Planner
Statistics - SNP Heuristic

Related Notes

SAP Note 1045636: SNP heuristic creates purchase requisitions in prev. bucket
SAP Note 1055064: SNP heuristic creates planned orders in prev. bucket