

UTILIZAREA ALGORITMULUI JOHNSON ÎN ORDONANȚAREA COMENZILOR DE NAVE

THE USE OF JOHNSON ALGORITHM IN PASSING SHIP ORDERS

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Abstract: The shipping production process has some features that give shipyards a special production structure. Given that on some manufacturing capacity of vessels it is necessary to launch more customer-requested orders, the problem of fixing the order in which the vessels follow to be launched into production and manufactured arises. This activity of production scheduling follows the distribution of customer orders in space and time, so that at every workstation, it is important to know for each moment of time what order and what quantities are to be done. Therefore, it is obtained the optimal order of execution of commands such as the minimum time criterion of passing the entire assembly through the production process orders to be reached. This condition implicitly provides the best use of technological means of the shipyard, or "downtime" minimum of the machines working.

Keywords: ordering production, ordering algorithms, optimal program, ship orders