

應用禁忌演算法於護理人員排班程式設計

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摘要

In the current study, the nurse rostering is still a NP-hard problem, has not been high-efficiency and the best solution to meet the limits for hospital nurses, a high-performance affect the nursing service morale and enthusiasm. Each charge nurses needs to face the issue. Therefore, research purposes that the design of how to produced a compliance and meet the needs of nursing rostering schedule.

Way of care shifts of different nationalities, can not directly import domestic nurse to use. Rostering schedule is still mostly artificial way. Follow the before scholars with the "Chunghua Christian Hospital" to obtain actual data. Applying of hill-climbing algorithm will be limited to local optimal solution table and unable to obtain the global optimal solution. Applying tabu algorithm have aspiration criteria or not have, that to the actual testing nurse rostering program are find of the scheduling of good feasible solution.

關鍵字 : nurse rostering, tabu Search, aspiration criteria