Thipphawan Hemaran 2010: Using Goal Programming for Teacher Allocation in Primary and Secondary School: A Case Study of Songkhla Education Service Area Office 1. Master of Science (Statistics), Major Field: Statistics, Department of Statistics. Thesis Advisor: Associate Professor Saisuda Somchit, M.S. 126 pages.

This research used the method of goal programming to apply for teacher allocation in primary and secondary school, under control of Songkhla Education Service Area Office 1. From the research, for the primary school, were found that the number of the actual teacher allocation was more than the goal programming teacher allocation. Consider each goal, the number of the actual teachers was more than from the goal programming. Except, mathematics and foreign languages learning areas had the number of actual teachers less than the goal programming. And for the secondary school, the number of the actual teacher allocation was less than the goal programming teacher allocation. Consider each goal, mathematics learning area had the number of actual teachers about the same as goal programming. The number of the actual teachers in science, social studies, religion and culture and occupations and technology learning areas were more than the number from goal programming. And in foreign languages, thai language, health and physical education and arts learning areas had the number of the actual teachers less than the goal programming. So for more efficiency in teacher allocation, should increase the number of teachers in the learning areas that had the number of actual teachers less than the goal programming. In the similar subject matter learning areas, adjustment could be made by transferring exceeding teachers to another similar learning areas. Consider the schools that were sampled the large medium and small size schools in primary and secondary schools, were found that most samples had the number of actual teacher more than the number from goal programming. Except, Sathingphra Wittaya, the medium size secondary school, had the number of actual teachers less than the number from goal programming. The skill teachers, who transfer to another education service area or in the same education service area, should be considered to fulfill the requirement of lacking teachers in each schools to solve the lacking teacher and preventing the exceeding teachers in some learning areas.

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