

Assessment of the process of students ' acquisition of professional competencies

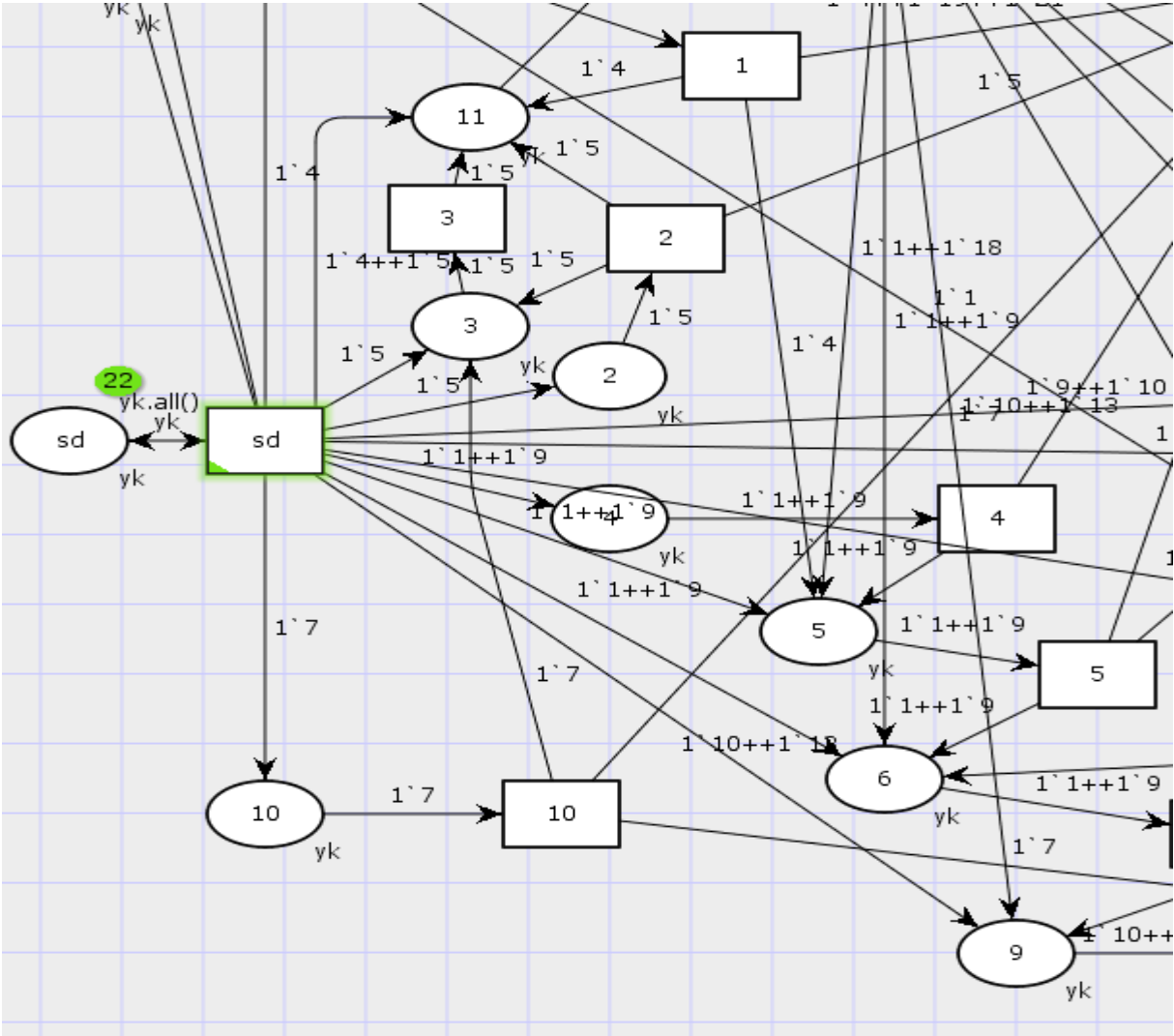
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The accepted hypothesis

- The quality of training for trainees is assessed by the level of competence they have acquired, which is expressed in an immeasurable amount, for example, of 0 to 100.
- The work does not take into account the possible mutual impact of different competency levels on each other, the increase in competence through the activity and self-study work of the student, as well as the general atmosphere of the educational institution.
- The actual level of competence acquired by trainees is determined by the evaluation tools in the course of disciplines and practices aimed at this competence, for example, by the average scores received by students in the study of the relevant disciplines.

Figure 1. Part of the Petri net



Results obtained

- If you look at the distribution of disciplines by year of study, you can use a well-built model to assess the change in competencies. For example, after the first year of training competence 1 was increased fourfold, competence 4 - twice, competence 9 has tripled. The study found that the value of competences increased fourfold during the entire period of study, in some - in twenty-five.