



Fig. 2. Graph representation in the form of three subgraphs (modules).

IV. CONCLUSIONS

The numerical experiments executed by authors on model examples have shown high efficiency of the offered algorithm of creation of quasioptimum graph partition with use of genetic algorithm and coding of decisions by permutations at rather large number of vertexes. Optimized structure of the educational program consisting of a set of the interconnected educational objects is offered by means of problem solution of optimum partition of the acyclic weighed graph. The condition of acyclicity preservation for subgraphs is formulated and the quantitative assessment of decision options is executed. The original algorithm of search of quasioptimum partition using the genetic algorithm scheme with coding chromosomes by permutation is developed.

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