

CSE 4425 Midterm test - Sample questions
Fall 2018
October 18, 2018
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1. What is the Central Dogma of Molecular Biology?
2. What is the difference between exons and genes? What is alternative splicing? What is 3-periodicity?

An alignment of circular strings is defined as an alignment of linear strings formed by cutting (linearizing) these circular strings at arbitrary positions. Devise an efficient algorithm to find an optimal global alignment of circular strings. In other words your algorithm should find the cut points of the two strings that maximize the alignment of the two resulting linear strings.