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Benzer's Experiment • Idea: infect bacteria with pairs of mutant T4 bacteriophage (virus) • Each T4 mutant has an unknown interval deleted from its genome • If the two intervals overlap: T4 pair is missing part of its genome and is disabled -

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In addition to Bioinformatics Algorithms, he has authored the textbooks Computational Molecular Biology: An Algorithmic Approach (2000) and An Introduction to Bioinformatics Algorithms (2004) (jointly with Neil Jones).

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methods, which is energizing and dramatically accelerating the discovery of new technologies and tools for molecular biology.

AN INTRODUCTION TO Bioinformatics Algorithms - Genética I

algorithms: they often return suboptimal

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results, but take every little time to do so. However, there are a lucky few greedy algorithms that find optimal rather than suboptimal solutions. 5.1 Genome Rearrangements Waardenburg's syndrome is a genetic disorder resulting in hearing loss and pigmentary abnormalities, such as two differently ...

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events in the history of Molecular
Biology 1970- 1977 • 1977 Phillip Sharp
and Richard Roberts demonstrated that
pre-mRNA is processed by the excision
of introns and exons are spliced

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machine learning and algorithms."

textbook: Wing-Kin SUNG, Algorithms in Bioinformatics, CRC Press, 2009.

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