Christian Schindelhauer

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Exercises

Algorithm theory

Winter term 2008/09

Exercise sheet 10

TASK 1 (1 point)**:**

Given the two strings $A =$ AMANAPLANA and $B =$ CANALPANAMA compute the matrix of the *Edit Distance*, mark an optimal trace in the matrix and outline the corresponding operations.

TASK 2 (1 point)**:**

Given are $T =$ AMANAPLANACANALPANAMA and $P =$ MALARIA. Use Approximate String Matching to find the best match by computing the matrix. Which substring of T is the best match for P?