Exercises

Algorithm theory
Winter term 2008/09
Exercise sheet 10

**TASK 1** (1 point):
Given the two strings $A = \text{AMANAPLANA}$ and $B = \text{CANALPANAMA}$ 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 $T = \text{AMANAPLANACANALPANAMA}$ and $P = \text{MALARIA}$. Use Approximate String Matching to find the best match by computing the matrix. Which substring of $T$ is the best match for $P$?