

Student ID _____ Name _____

- 1) Fill the following lookup-table for Seq1 = AGTCAGTAAC with k-tuple = 2.
Give the position numbers in the table.

	positions		positions
AA		GA	
AC		GC	
AG		GG	
AT		GT	
CA		TA	
CC		TC	
CG		TG	
CT		TT	

Ans. _____

- 2) Examine sequence match between Seq1=AGTCAGTAAC(same as exercise 1) and Seq2=AGTAC, with using k-tuple = 2.

Use the look-up table you prepared in exercise 1, and fill the match table below.

Put '*' mark on the all cells which correspond to the start of any k-tuple=2 match.

	1	2	3	4	5	6	7	8	9	10
	A	G	T	C	A	G	T	A	A	C
A										
G										
T										
A										
C										

Ans. _____