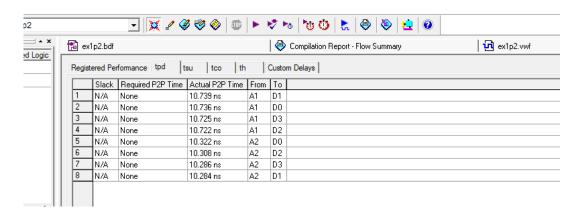
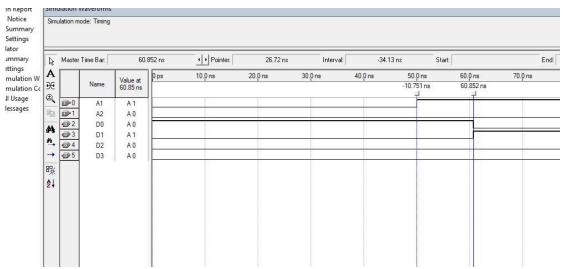
QUARTUS EXERCISE 1

Part 1

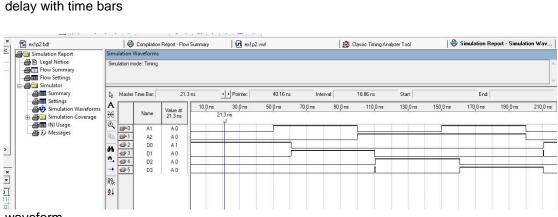
Question 1



Max delay 10.739ns



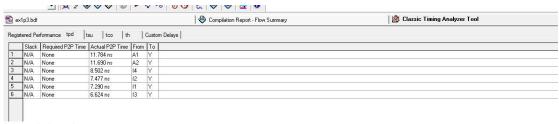
delay with time bars



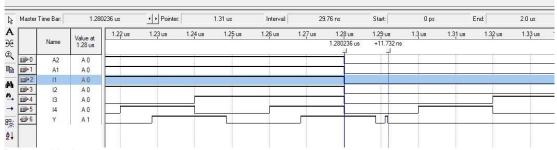
waveform

παρατηρούμε πως λειτουργεί σύμφωνα με τους κανόνες του αποκωδικοποιητή

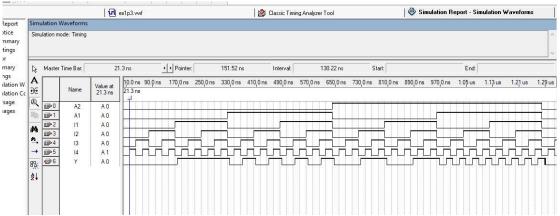
Question 2



Max delay time 11.784



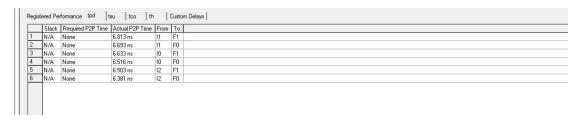
Delay with time bars



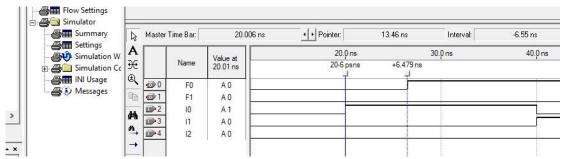
Waveform

Παρατηρούμε πως λειτουργεί σύμφωνα με τον πίνακα

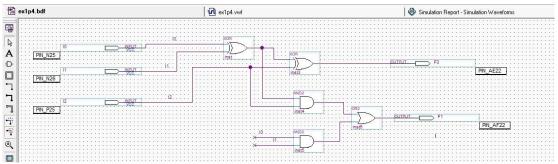
Question 3



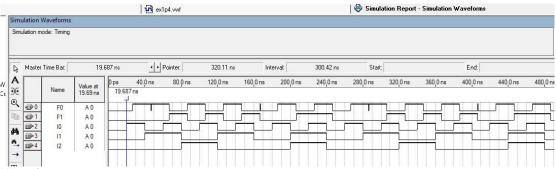
Max delay time 6.813ns



Delay with time bars



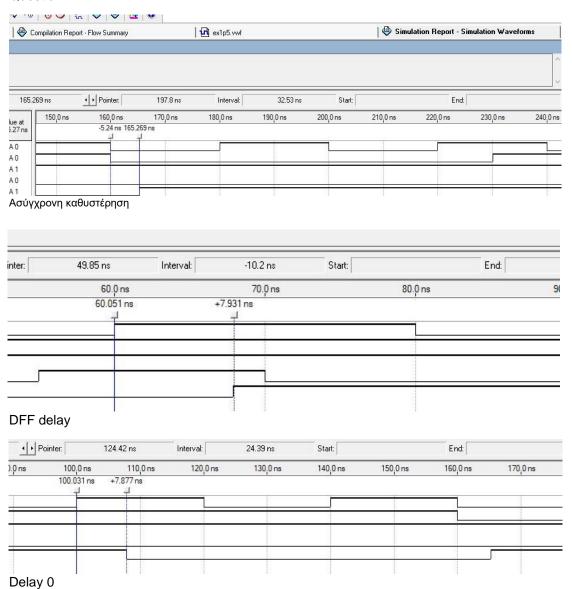
Schematic



Waveform

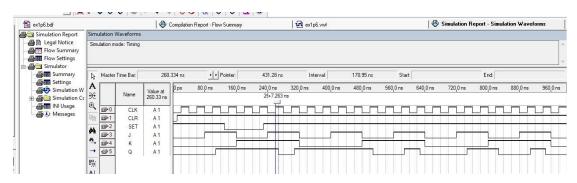
Part 2

Question 1

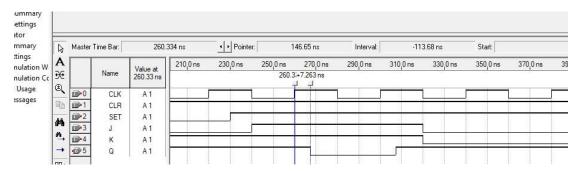


Question 2

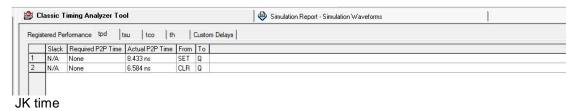
JK



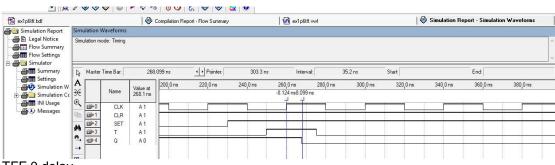
JK waveform



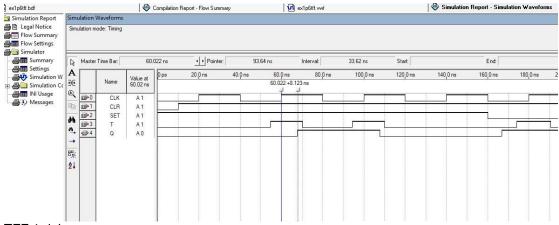
JK delay 0



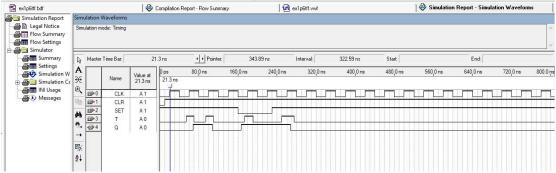
TFF



TFF 0 delay



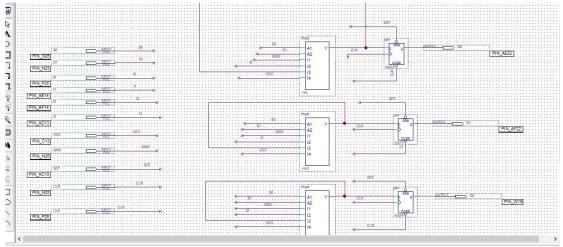
TFF 1 delay



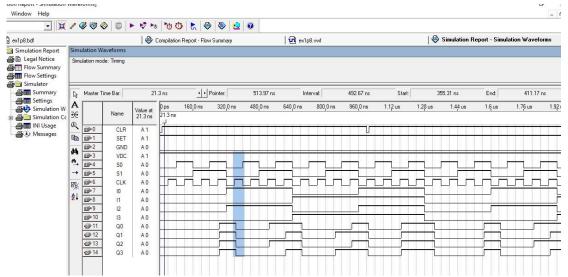
TFF waveform

Question 3

Έγινε δημιουργία του mux από το προηγούμενο ερώτημα και προστέθηκε σαν σχήμα από βιβλιοθήκη

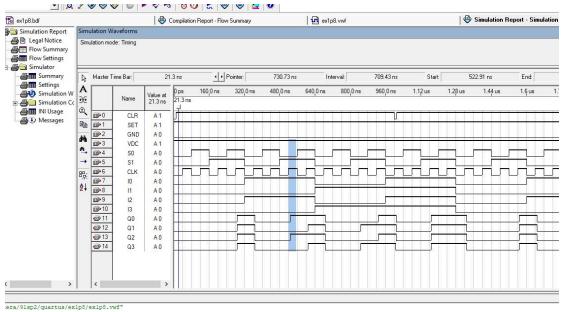


Μέρος του σχηματικού

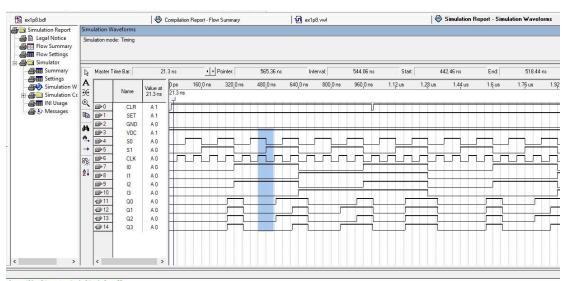


Register output 0





Register output I0..3



Register output store

Παρασκευή Μέγα 2483

Κωνσταντίνα Μυλωνά 2499