fs = 5760 Hz => Band rate nyquist frekansından gülsele olmalı. 1-)

fo > 2fo = 11520

form -> TH = FDh => 10000 bondrate (fxTAL = 12 MHZ)

Timer 1 seri port ikin

Timer O paralel portiain bullanden

Timer 1 - mod 2 } TMOD = 21h

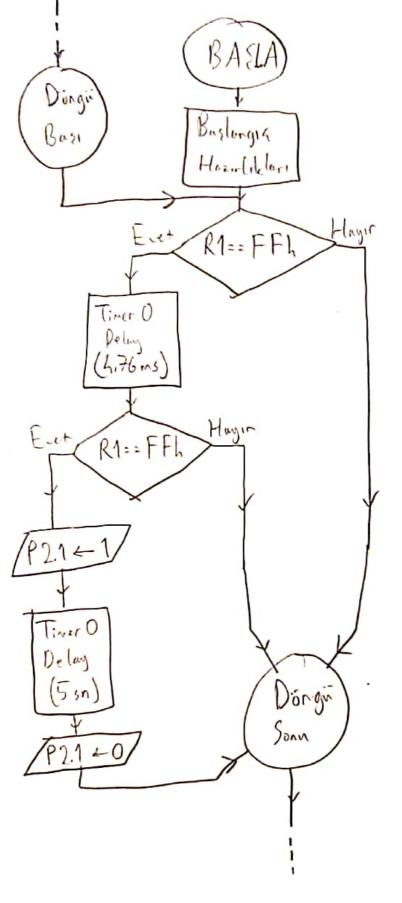
SCON = 50h - seri mod 1, seri interrupt - IE = 90h (EA ve Seri)

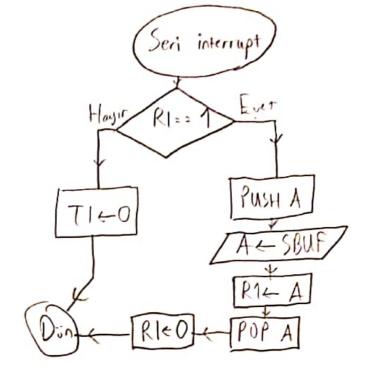
5 sn delay (Buzzer igin) - THO=3Ch

f= 210 Hz

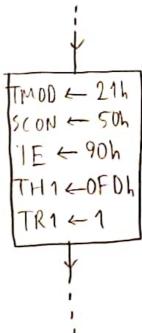
To = 1/10 = 4,76 ms

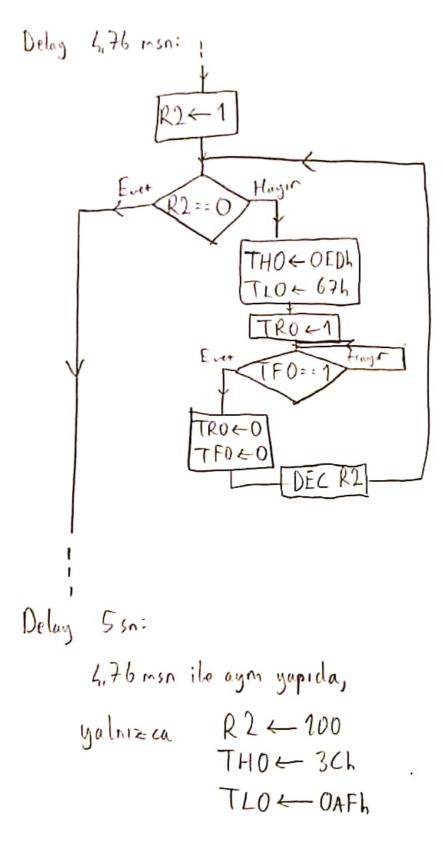
Buzzer P2.1'de.





Barlangic huzirliklari:





ORG 0000H LJMP MAIN OR6 23H LJMP SERIAL ORG 30H MAIN: MOV TMOD, #21H MOV SCON, # SOH MOV IE, #90H MOV TH1, #OFDH SETB TR1 MOV R1, #0 LOOP: CINE R1, #OFFH, NOT_FREQ ACALL DELAY 1. CINE R1, # OFFH, NOT_ FREQ SETB P2.1 ACALL DELAY2 CLR P2.1 NOT_FREQ: SJMP LOOP SERIAL: JNB RI, TRANS PUSH A MOV A, SBUF MOV R1, A POP A CLR RI TRANS: CLR TI

RETI

DELAY1: MOV R2, #1

DELSTART 1: CINE R2, #0, DELAY_LOOP1

RET

DELAY_LOOP 1:

MOV THO, # OEDH

MOV TLO, # 67H

SETB TRO

DLOOP1: JNB TFO, DLOOP1

CLR TRO

CLR TFO

DEC R2

SJMP DEL START 1

DELAY 2: MOV R2, #100

DELSTART 2: CJNE R2, #0, DELAY_LOUP 2:

RET

DELAY_LOOP2:

MOV THO, #3CH

MOV TLO, #OAFH

SETB TRO

DLOOP 2: JNB TFO, DLOOP 2

CLR TRU

CLR TFO

DEC R2

SUMP DELSTART2