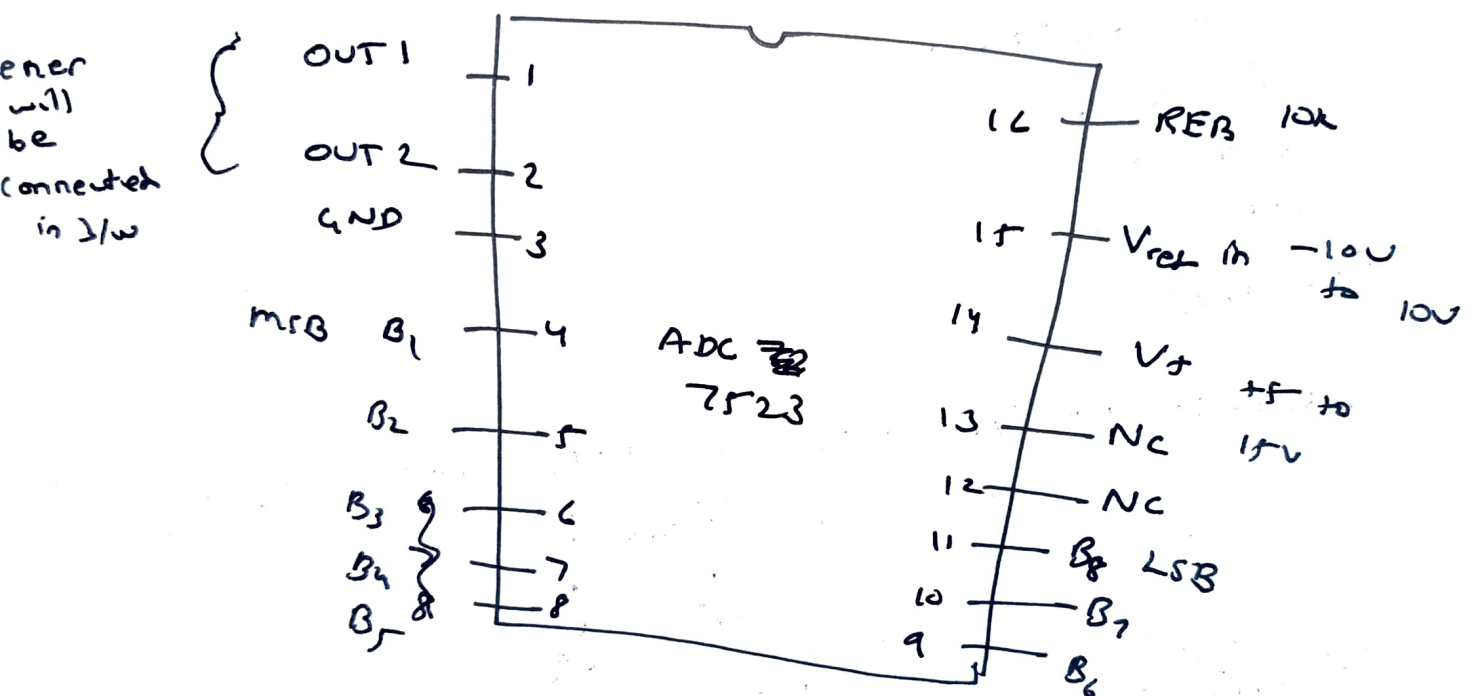


D/A Converters \rightarrow convert binary no. into their analogue equivalent voltage

DAC \Rightarrow digitally controlled gains
 \rightarrow Motor speed control
 \rightarrow Programmable gain amplifiers etc.



Example

Interface DAC AD7523 with 8086 running at 8MHz and write ALP to generate a sawtooth waveform (analogue) of period 1ms with V_{max} 5V.

Assume CS: Code

CODE SEGMENT

START: MOV AL, 80H
OUT CWR, AL

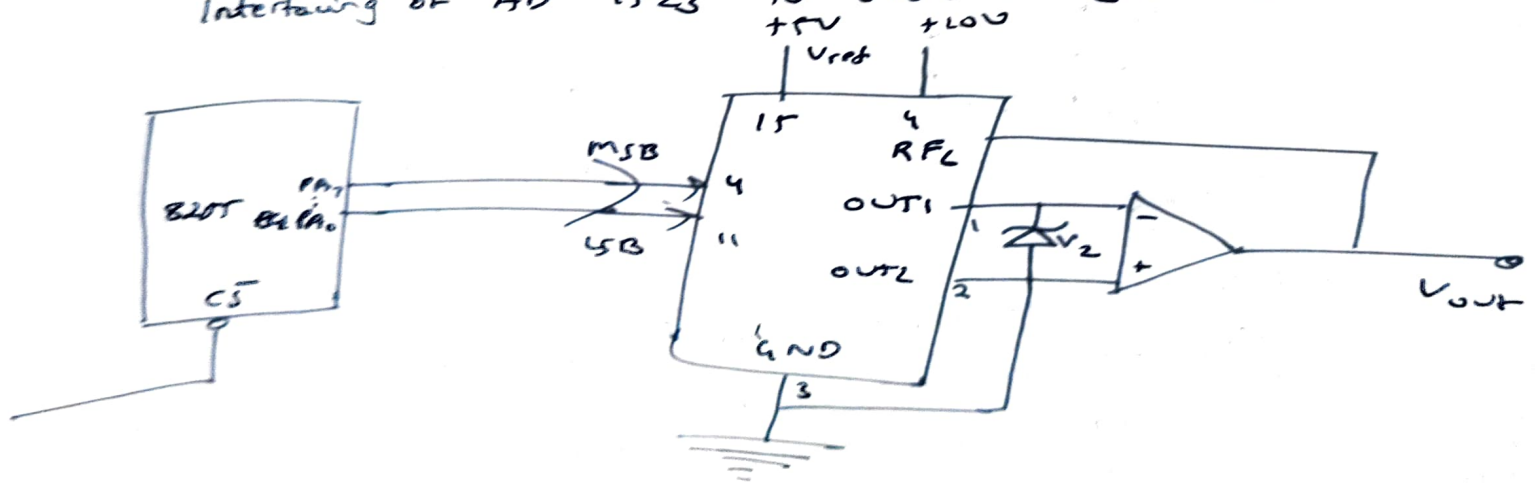
AGAIN: MOV AL, 00H

BACK: OUT POT A, AL
INC AL
CMP AL, 0F2H
JB BACK

JMP Again
Code ends

End start

Interfacing of AD 7523 to 8086 through 8255



Sawtooth wave

