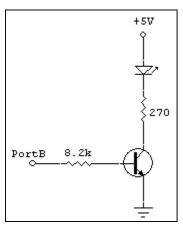
ET 386L Lab 6 Output Operations, Machine Cycles

- 1. Assemble the following circuit:
- 2. Create, assemble, make appropriate comments and save the following program:

	ORG	\$0100	;
REP	LDAA	#\$01	;
	STAA	\$1004	;
	LDX	#\$FFFF	;
шен	DEV		
HIGH	DEX		;
	BNE	HIGH	;
	LDAA	#\$00	;
	STAA	\$1004	;
	LDX	#\$FFFF	;
LOW	DEX		;
	BNE	LOW	;
	JMP	REP	;
	END		



Typical circuit for 8 LED Array Connected to Port B

- 3. This program is similar to Lab 5 but must be executed normally.
- 4. Modify the program as follows:
 - a. Insert two NOP commands inside both the HIGH and LOW loops.
 - b. Calculate the machine cycles, period and frequency for the modified loops. Refer to the complete instruction set in the reference manual to find the machine cycles for each command.

c. Modify the program to produce the following pattern: