

```
//example 8.1(b)//
clc
//clears the screen//
clear
//clears the variable//
disp('An astable multivibrator with a 500 Hz symmetrical waveform
applied to its RESET terminal is alternatively HIGH and LOW for 1ms.
When the reset input is low, the output is forced to low state. When
the reset input is HIGH, an astable waveform appears at the output. The
high period of multivibrator is determined as:')
r=14.5*1000;
c=0.01*(10^-6);
h = .69*r*c;
disp(h,'high time(s)=')
disp('The astable output is thus a 5KHz symmetrical waveform. every
time the reset terminal goes to HIGH for 1 ms, five cycles of %KHz
waveform appear at the output.')
```