Counte-clock = 1024 US=64 US

counter increments = 500ms = 7812.5 steps

This greater than therange of Pimer O

## : Only option a is viable

Ex 4

Counter increment) = 
$$\frac{1s}{64.8}$$
 = 15625

Exz

~.. Boueuflows

فحر

For times 0

Highest possible countable = 16.32 time

: To get to soms -> 3 overtlows

For timer 1

Trounter\_clock = 64 US

Number of = 500 ms = 7812.5 inchements 64 us

-: Initial counter = 65536-7813 value = 57783