Find the equivalent capacitance for the circuit shown.

0	$C_2 = 0.5 \mu\text{F}$	
$C_{eq} \longrightarrow 0.25 \mu \text{F}$	C_3	C_5 $A00 \text{ nF}$
	200 nF	
	$C_2 = 0.25 \mu \text{F}$	

$$C_{eq} =$$

If C_I is changed to a 3 μ F capacitor, what is C_{eq} ? $C_{eq} =$