Find the equivalent capacitance for the circuit shown.

0	$C_2 \mid 0.5 \mu\text{F}$	
$C_{eq} \longrightarrow \begin{matrix} C_1 \\ 0.25 \mu\text{F} \end{matrix}$	$C_3 = \begin{bmatrix} C_4 \end{bmatrix}$	C_5 400 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} ? $C_{eq} =$