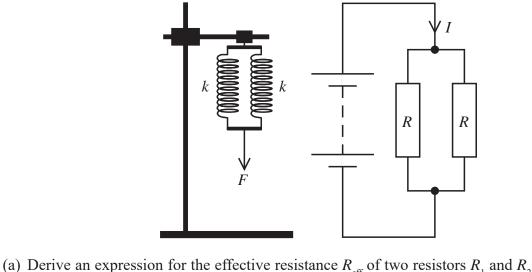
A student is experimenting with different combinations of springs and recalls that in physics it is often possible to model different physical situations in similar ways.

The student suggests that a parallel combination of springs could be a model for a

The student suggests that a parallel combination of springs could be a model for a parallel combination of resistors in a circuit.



connected in parallel in a circuit.	eff	1	2

(b)	Assess the validity of the student's suggestion by contwo identical springs in parallel.	on by con	nsidering the effective stiffness of					

(3)