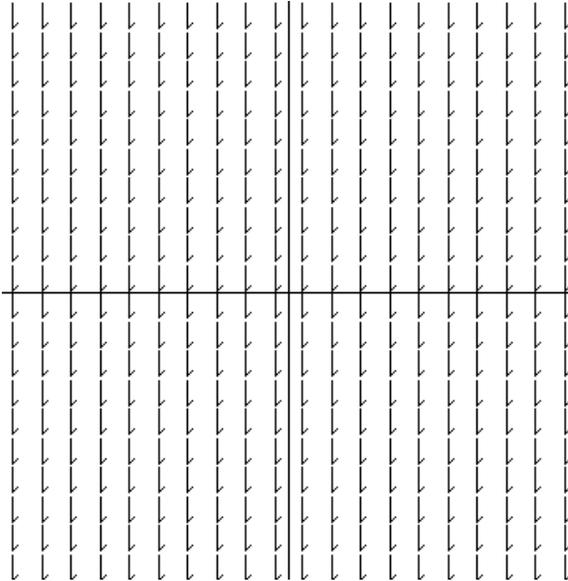


For each of the force fields below, circle whether the field is conservative and whether it can be separated into Cartesian components. Explain your reasoning.

Case #1:

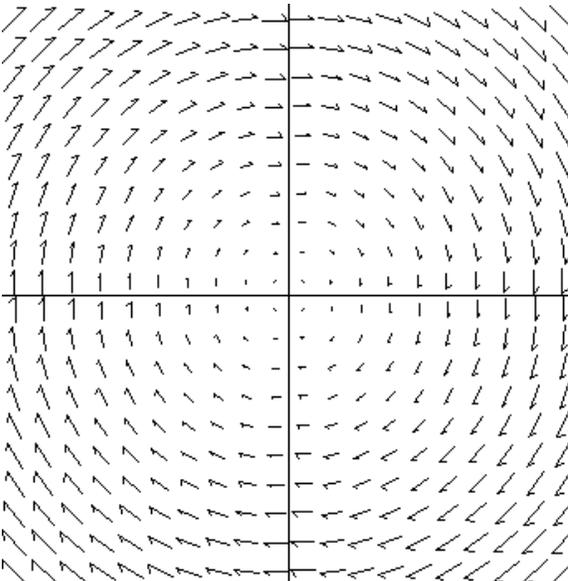


*Conservative or not conservative?*

*Separable or not separable?*

Explain your reasoning.

Case #2:



*Conservative or not conservative?*

*Separable or not separable?*

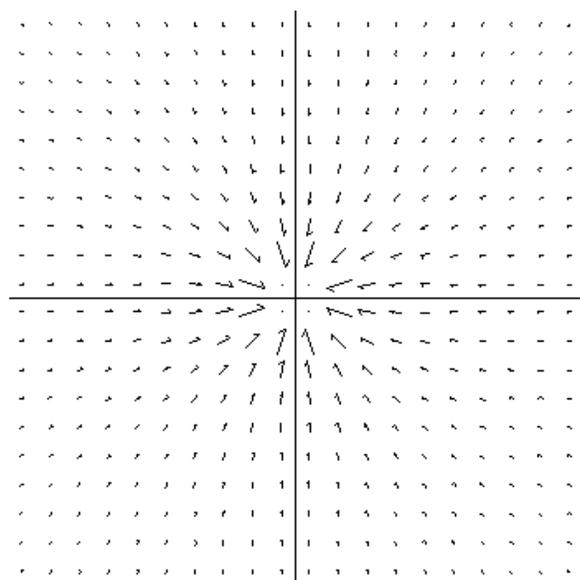
Explain your reasoning.

*(continued on other side)*

*Pretest: Separating forces*

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Case #3:

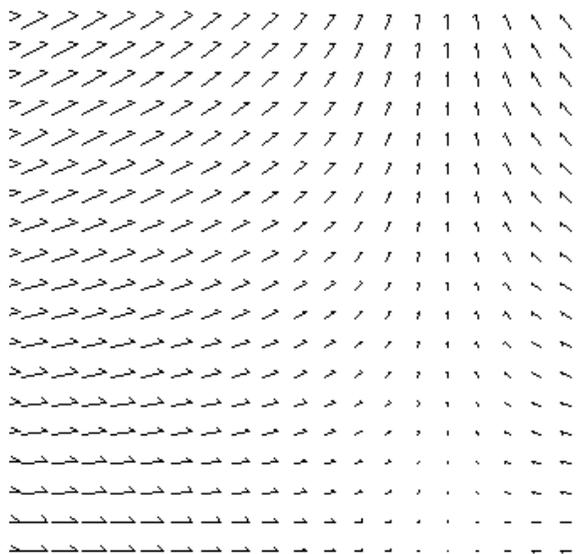


*Conservative or not conservative?*

*Separable or not separable?*

Explain your reasoning.

Case #4



*Conservative or not conservative?*

*Separable or not separable?*

Explain your reasoning.