

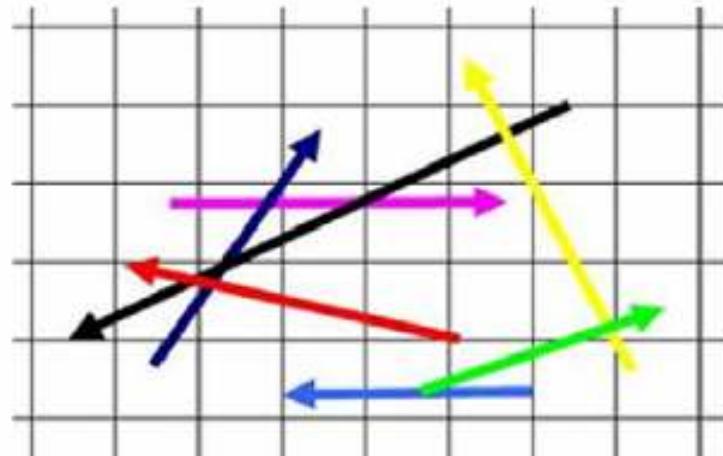
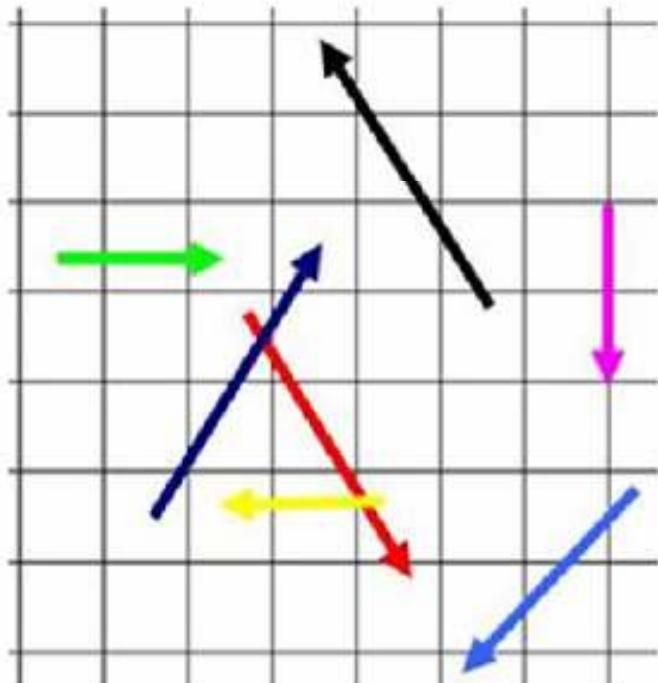


# Spotting the Loophole

Each of these grids contains a jumble of vectors with whole number components.

In each case, can you visualise which of the vectors sum to zero?

Can you prove it?



Thousands more problems can be found on the NRICH Maths website:

[www.nr rich.maths.org](http://www.nr rich.maths.org)