

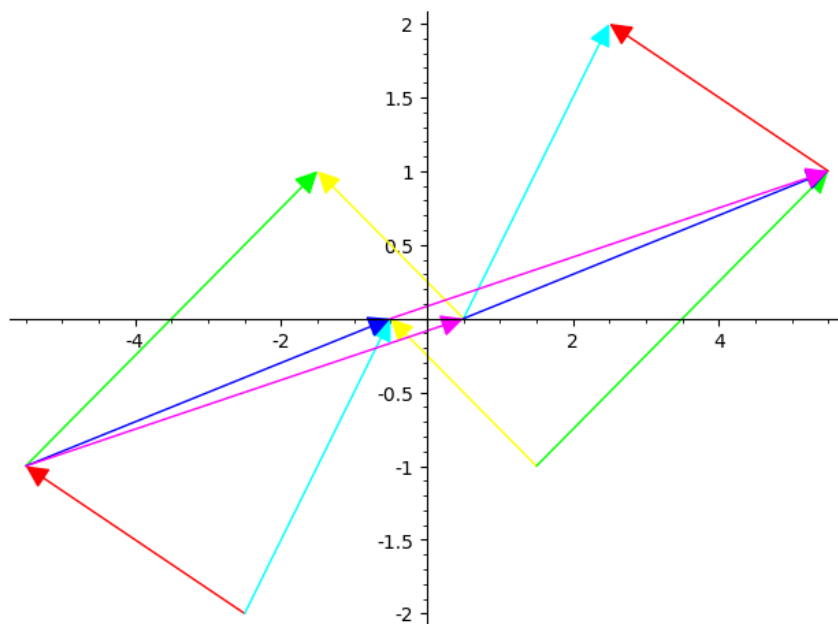
Pictures of all the states

Anand Deopurkar

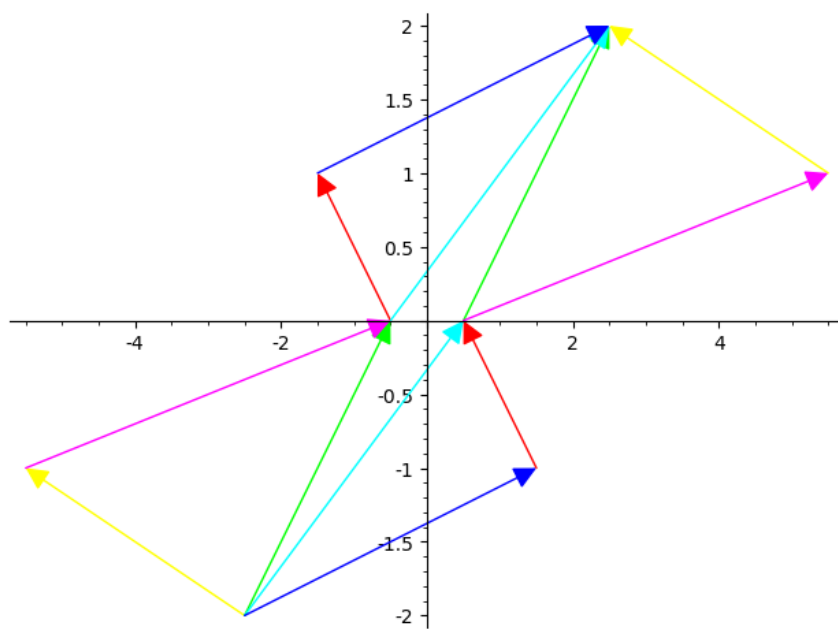
April 27, 2022

Contents

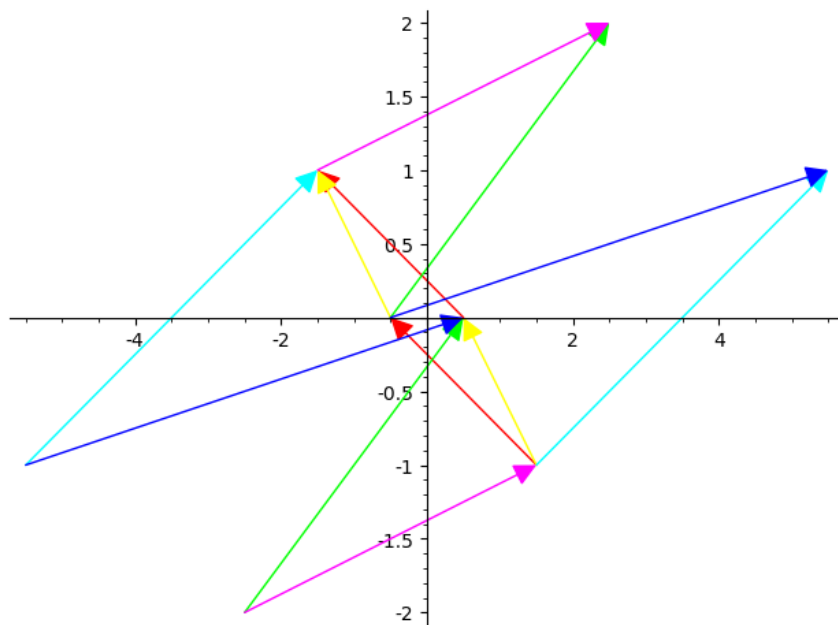
```
for s in states:
    [v01, v02, v11, v12, v21, v22, v31, v32] = vector(expansive_motion(s).rays()[0])
    V = matrix([[v01,v02],[v11,v12],[v21,v22],[v31,v32]])
    plot_state(s)
    print([(vector(ambient_basis[i])*V).dot_product(vector(ambient_basis[i])* central_
```



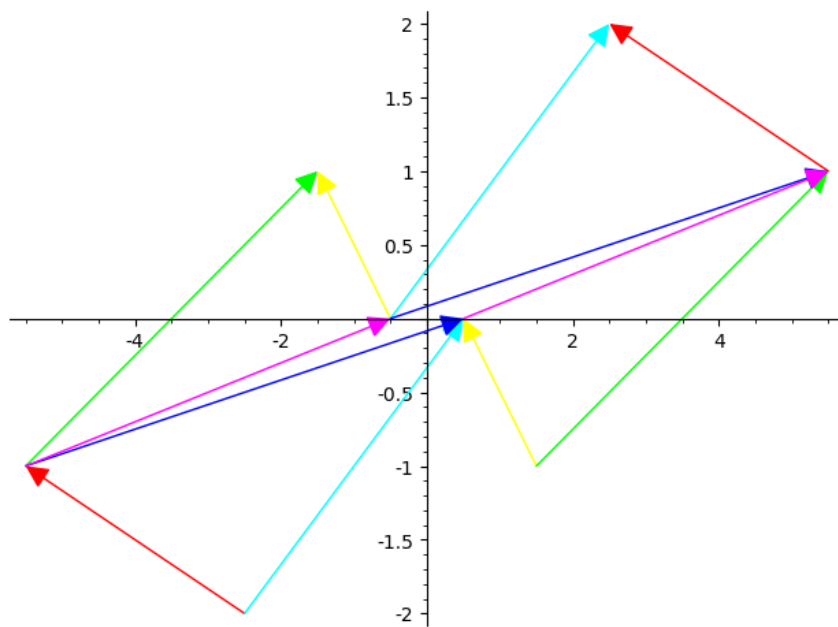
[19, 1, 13, -1]



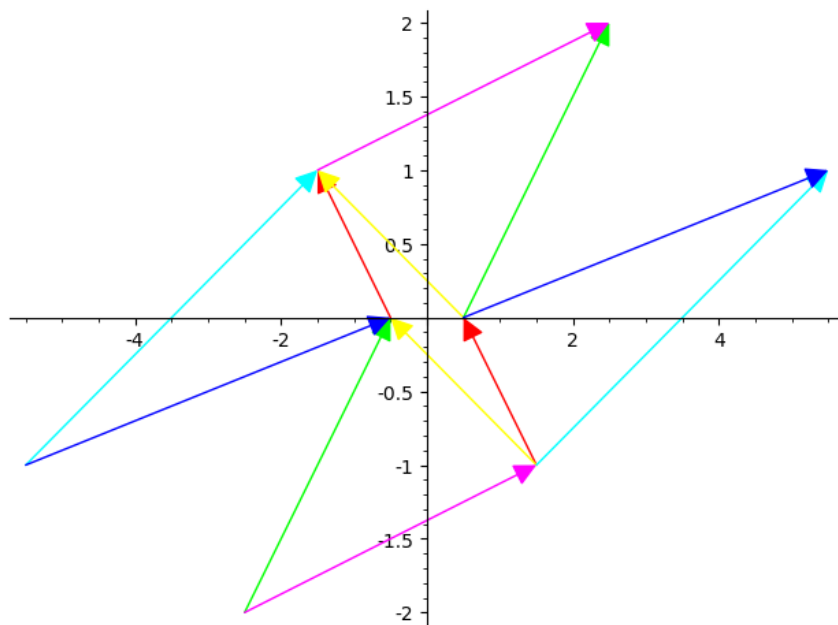
$[-3/2, 12, 15/2, 3/2]$



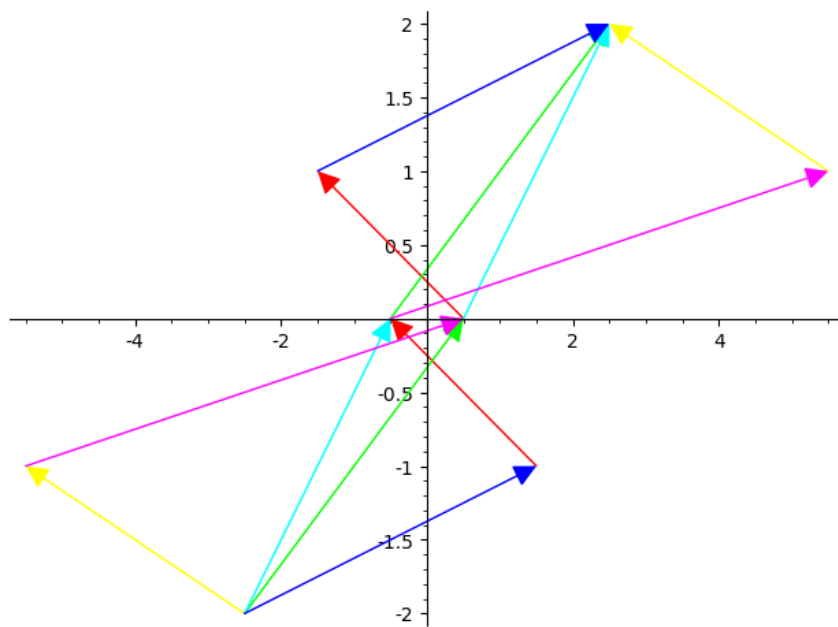
$[39/2, 39/2, 3/2, -3/2]$



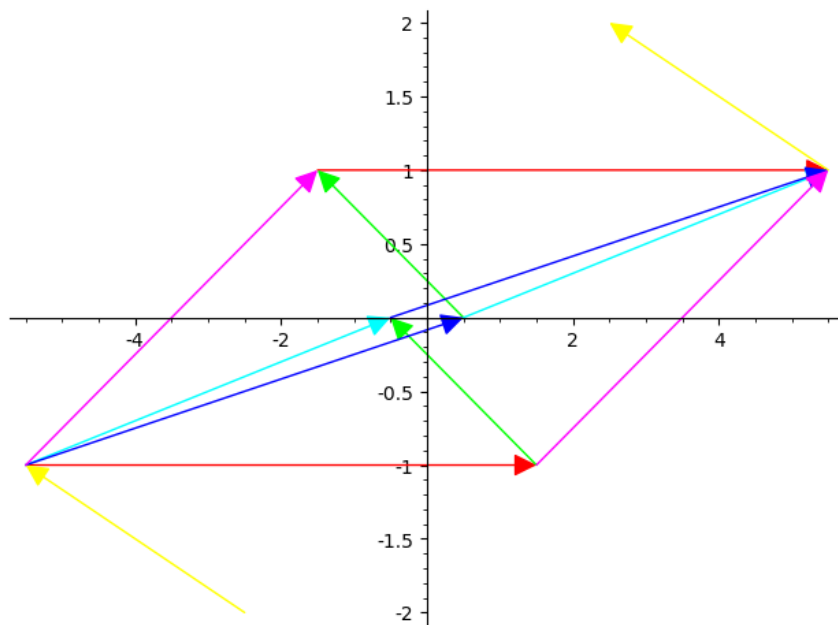
[15, -1, 15, 1]



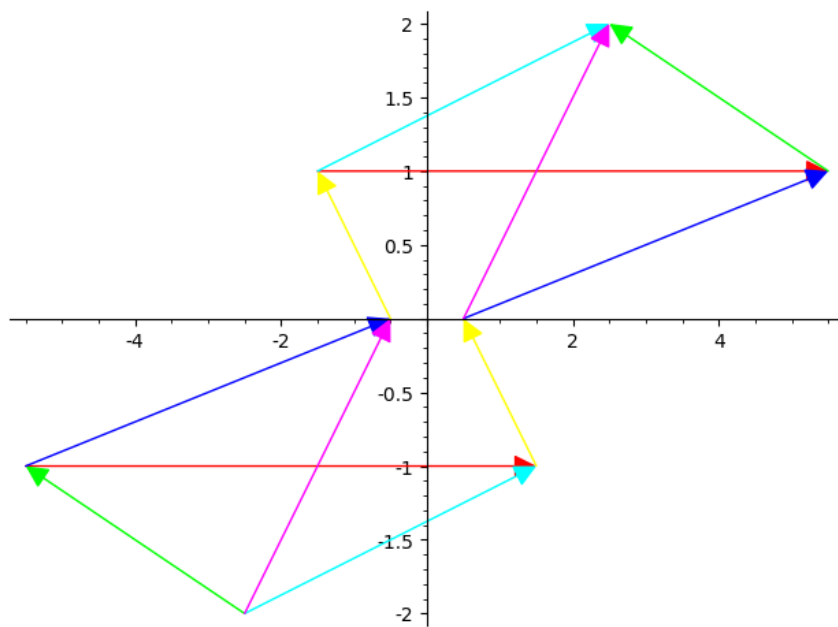
[9, 15, -1, 1]



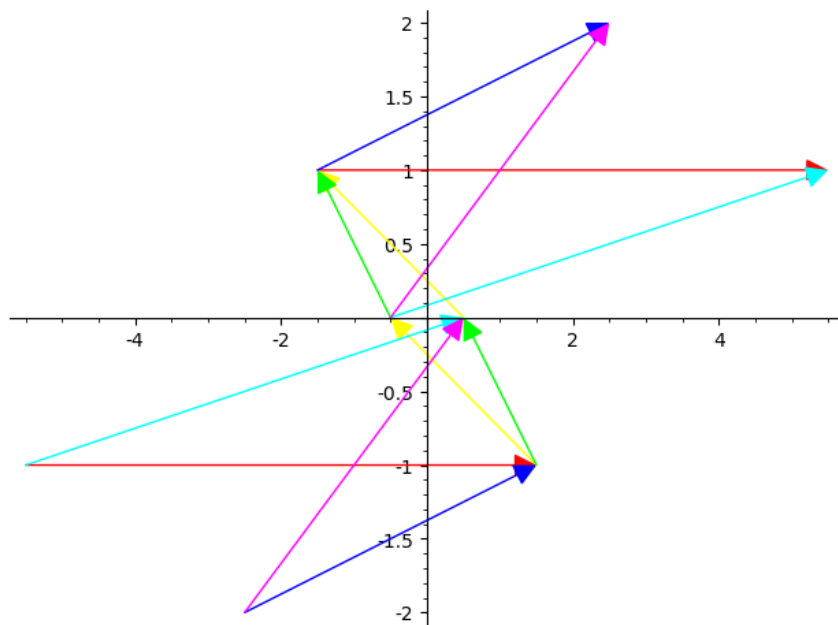
$[1/2, 9/2, 3, -1/2]$



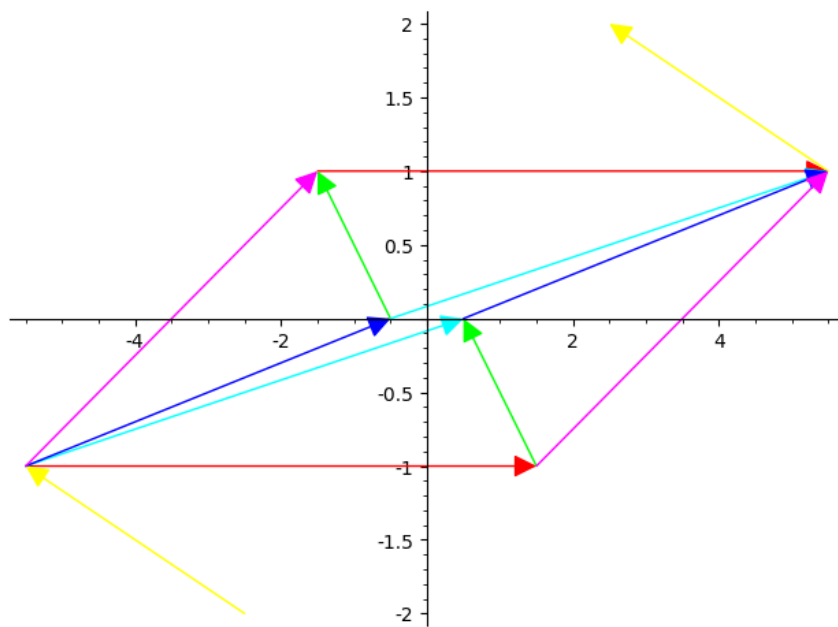
$[17/2, 0, 0, 0]$



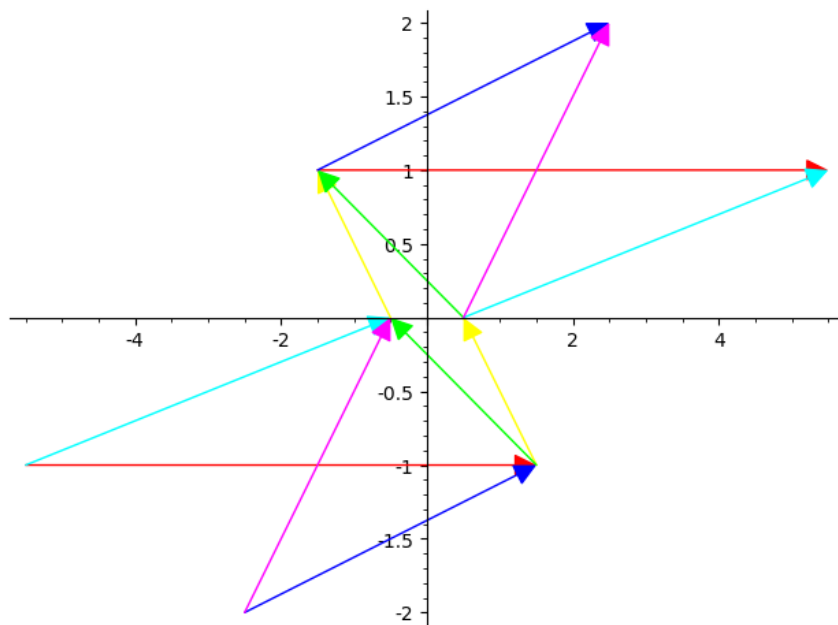
[9, 13, -1, 1]



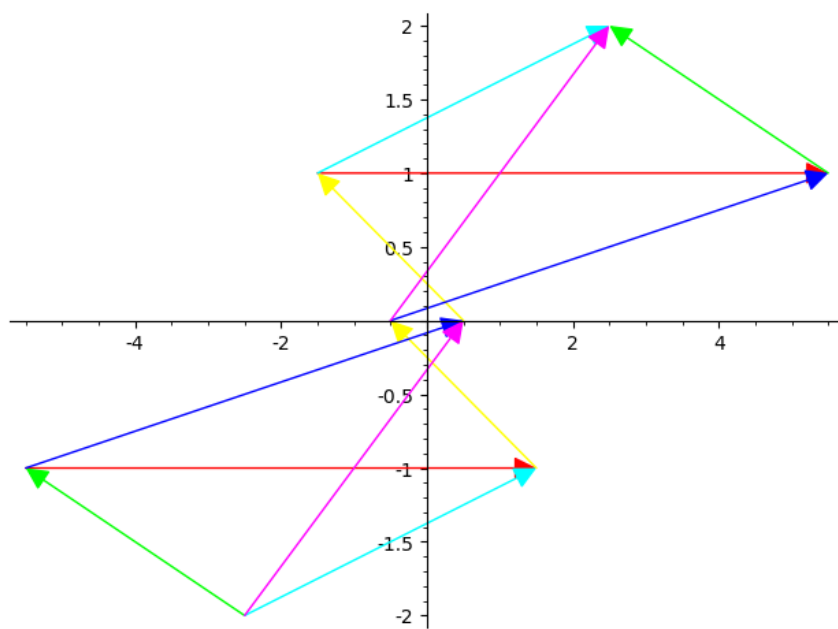
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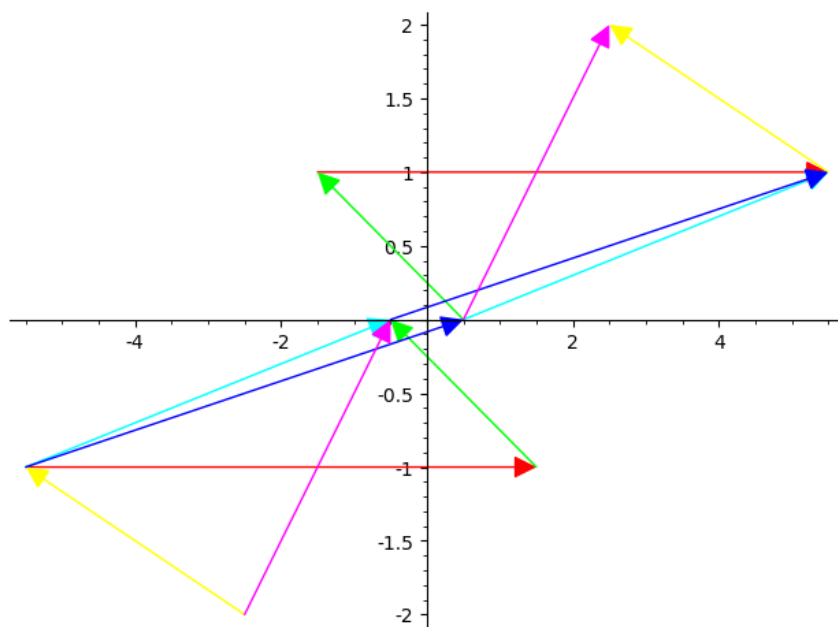
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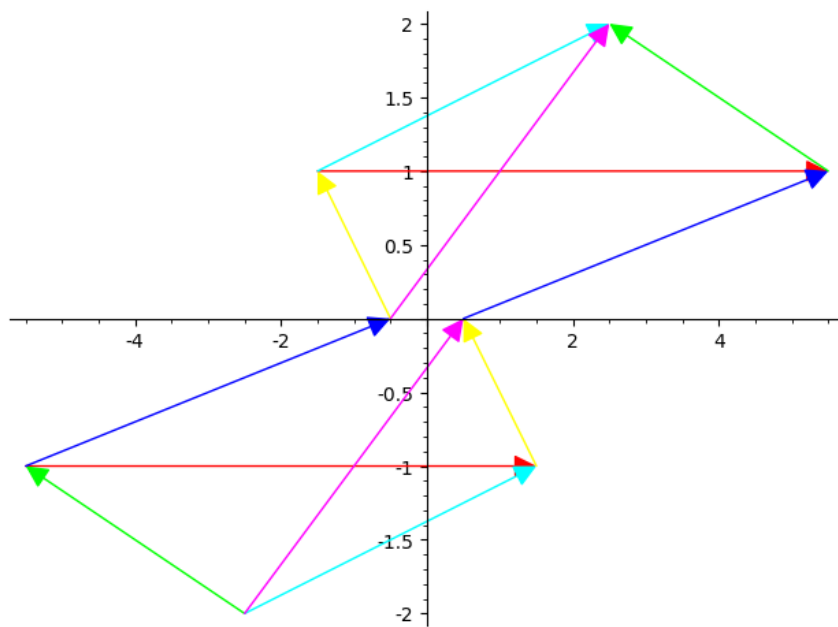
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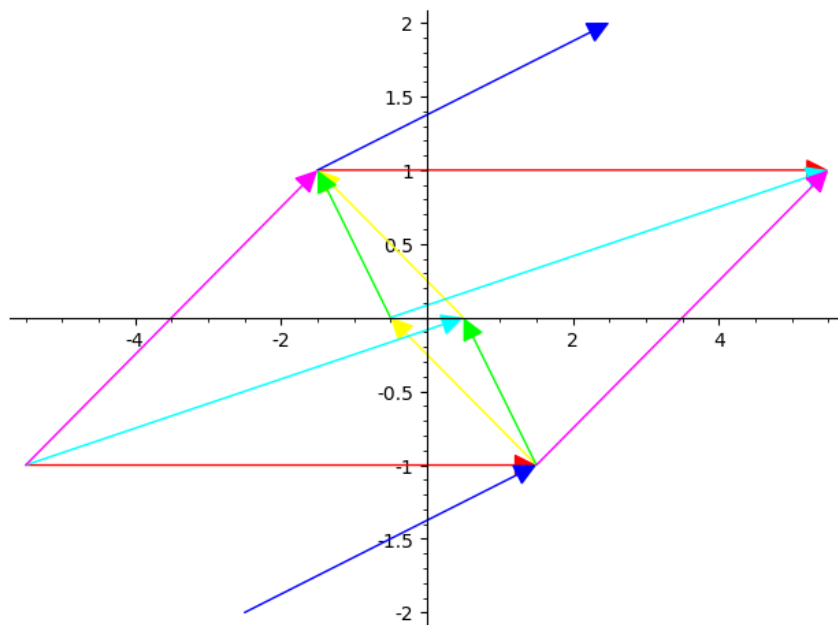
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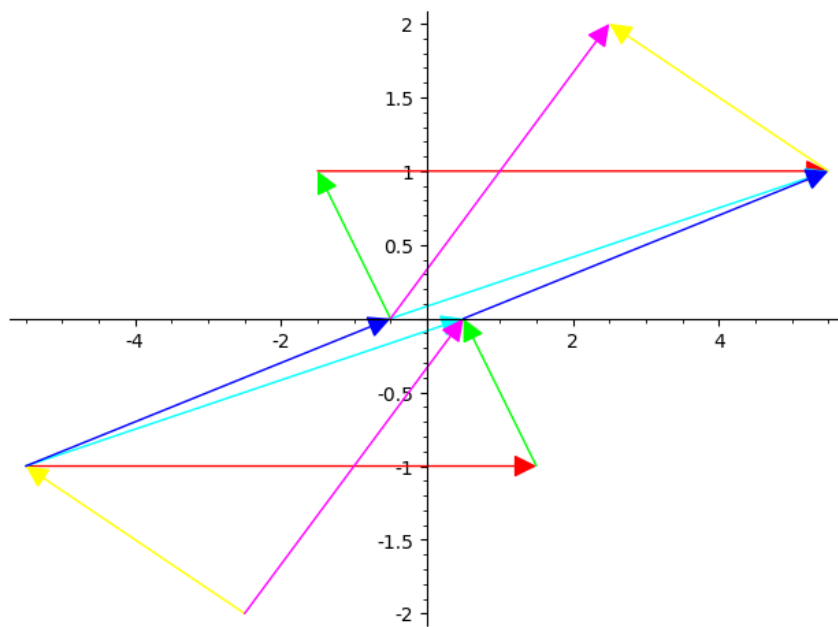
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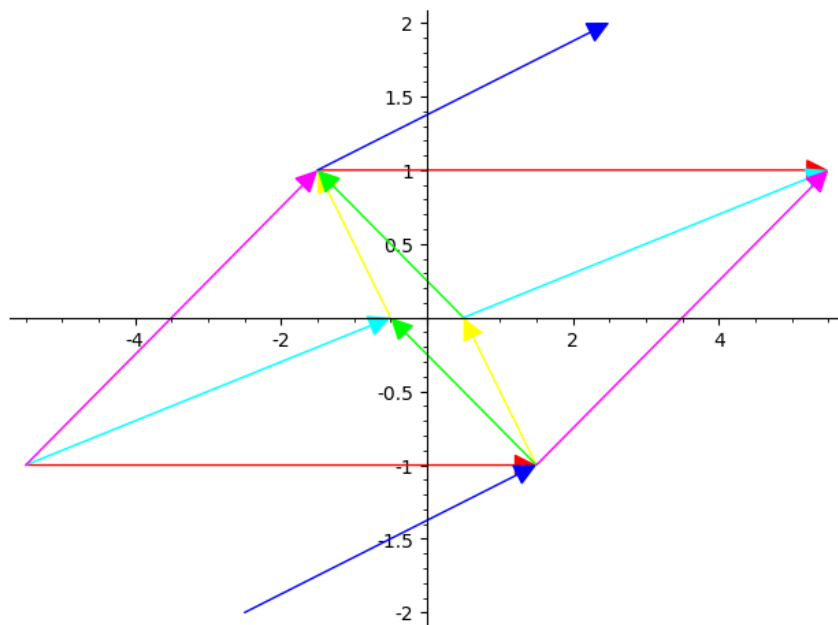
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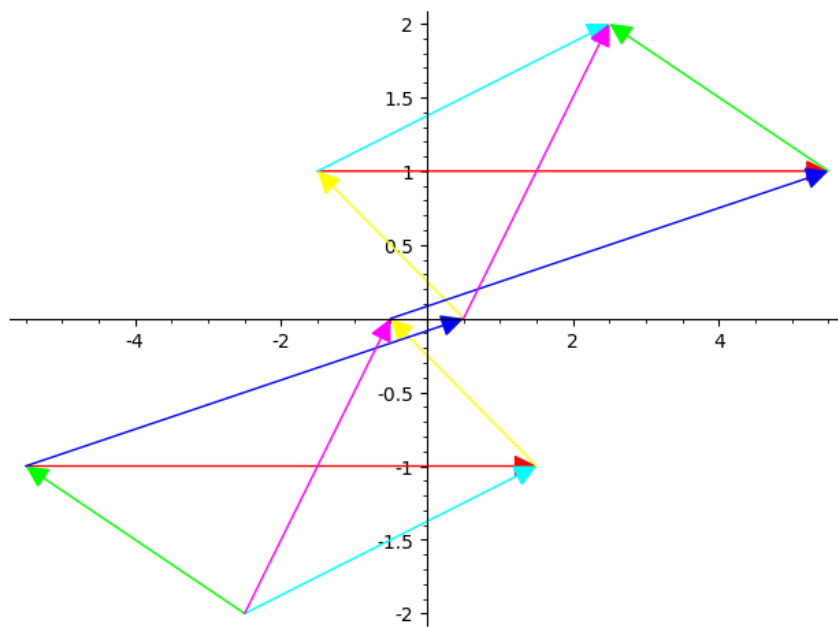
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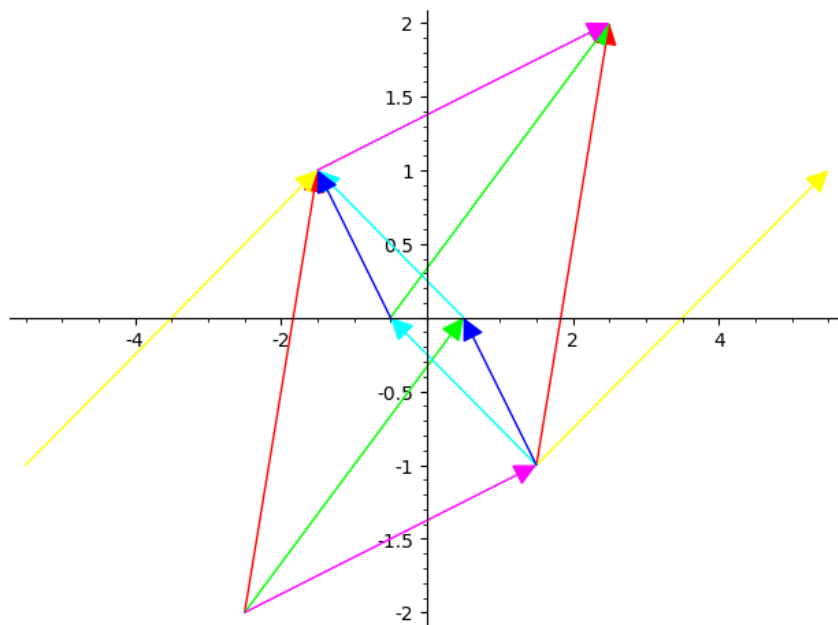
$[165/2, -11/2, 143/2, 11/2]$



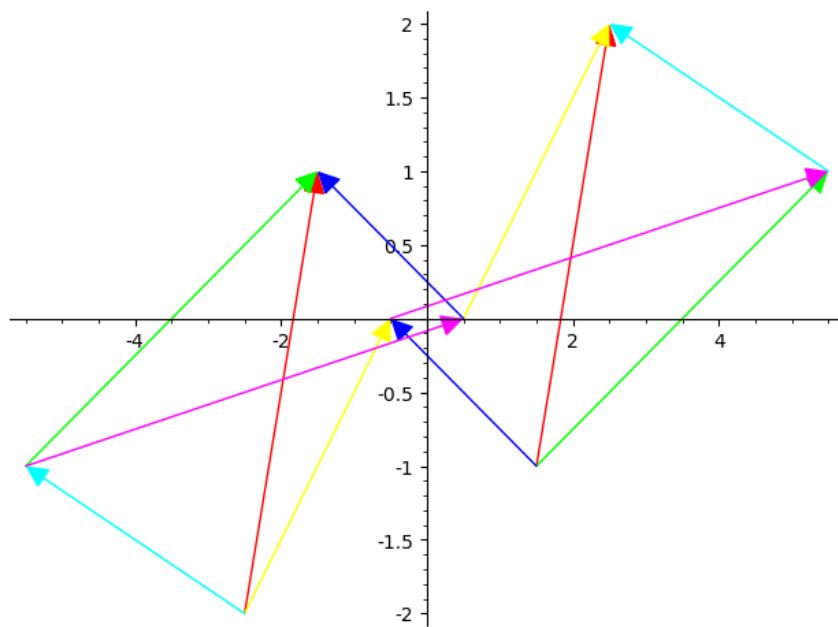
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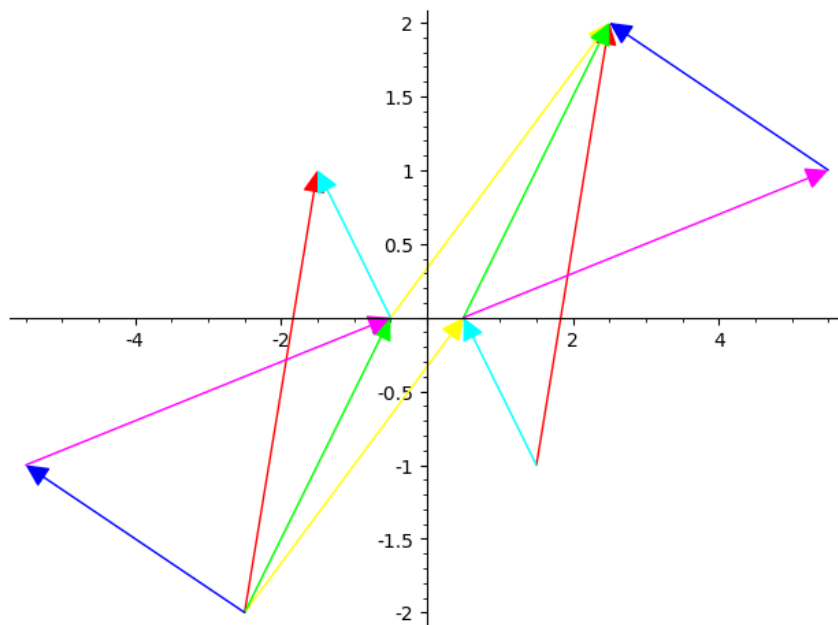
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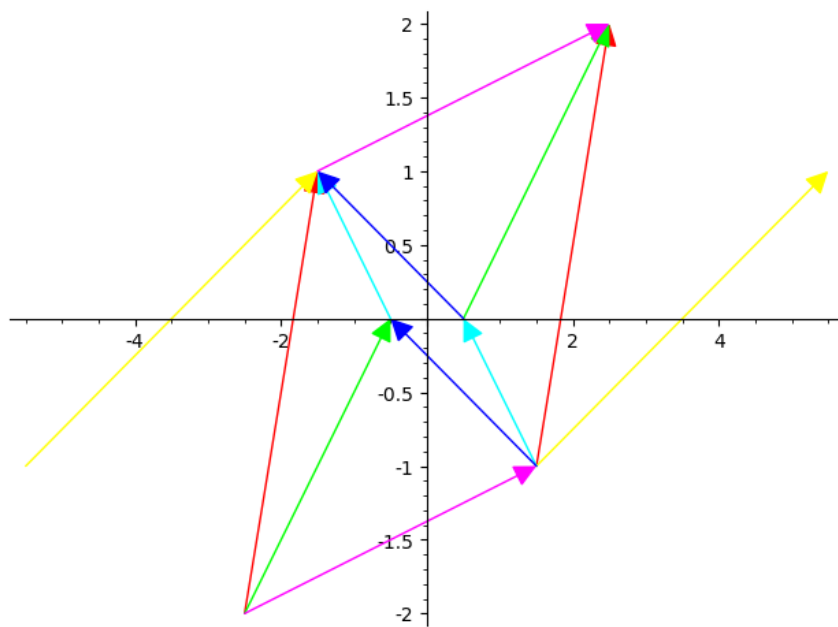
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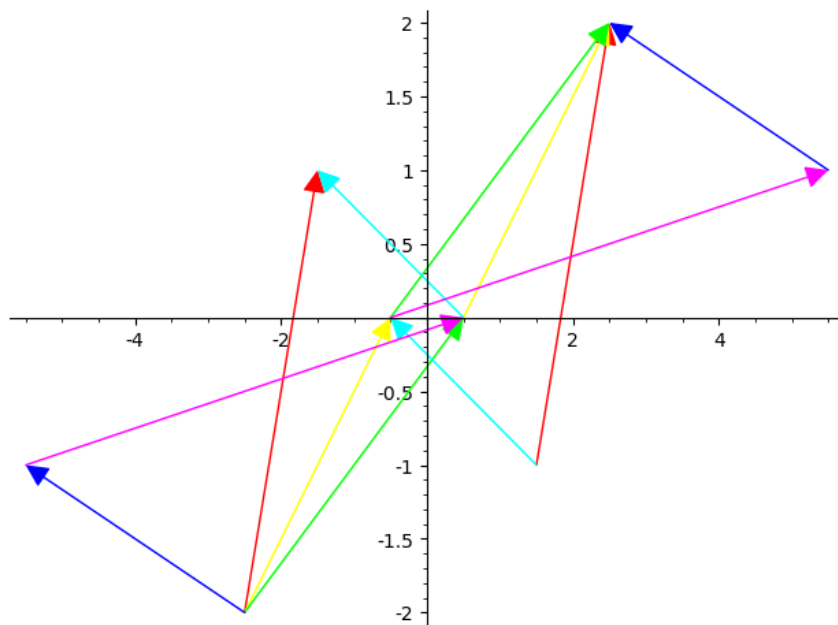
$[1, 9, 5, -1]$



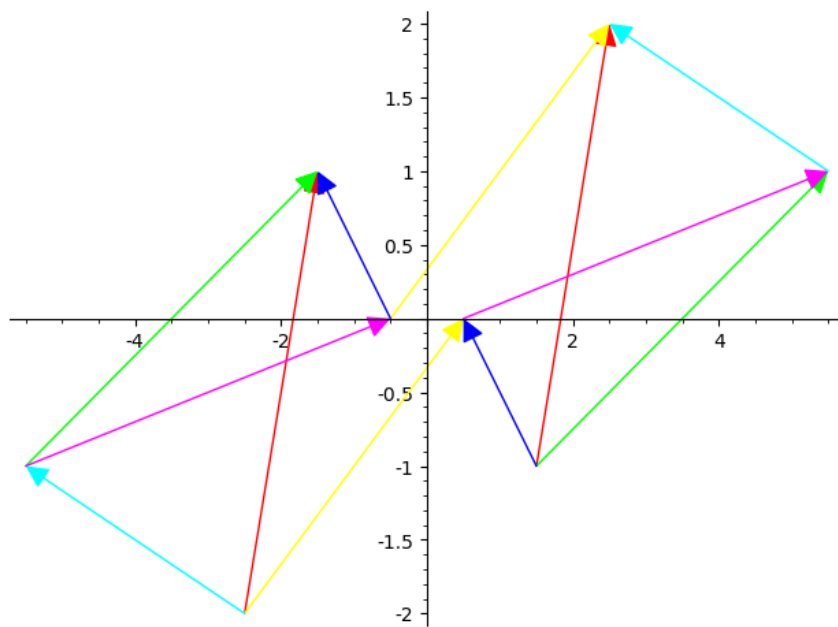
$[-1/2, 4, 3, 1/2]$



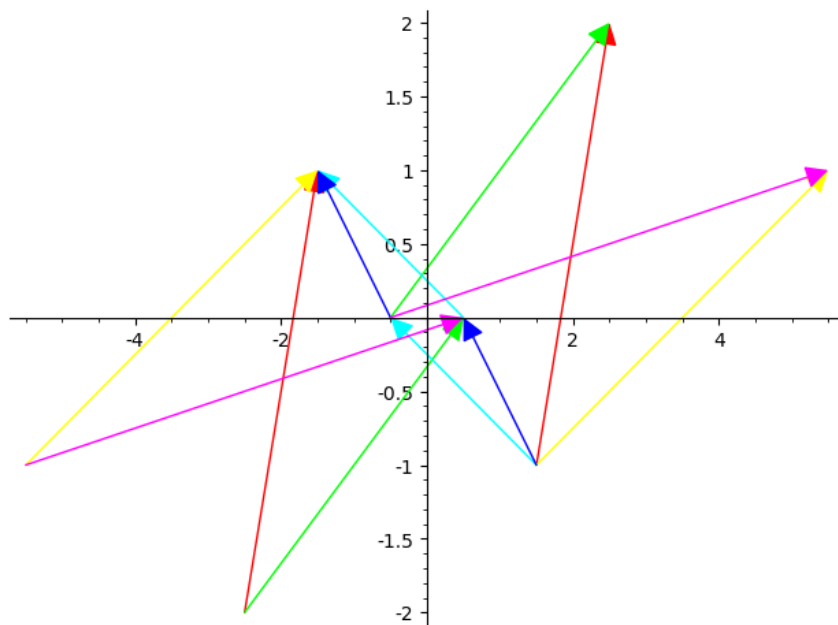
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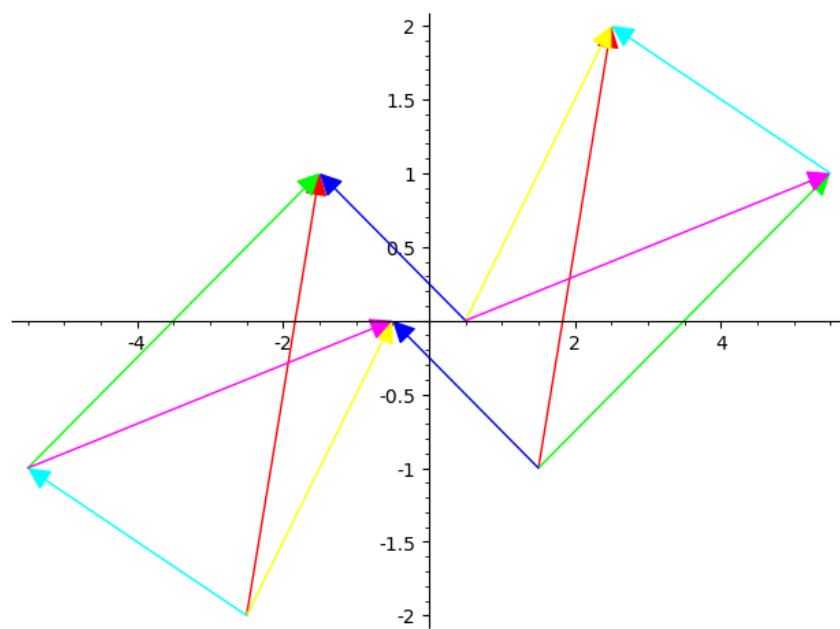
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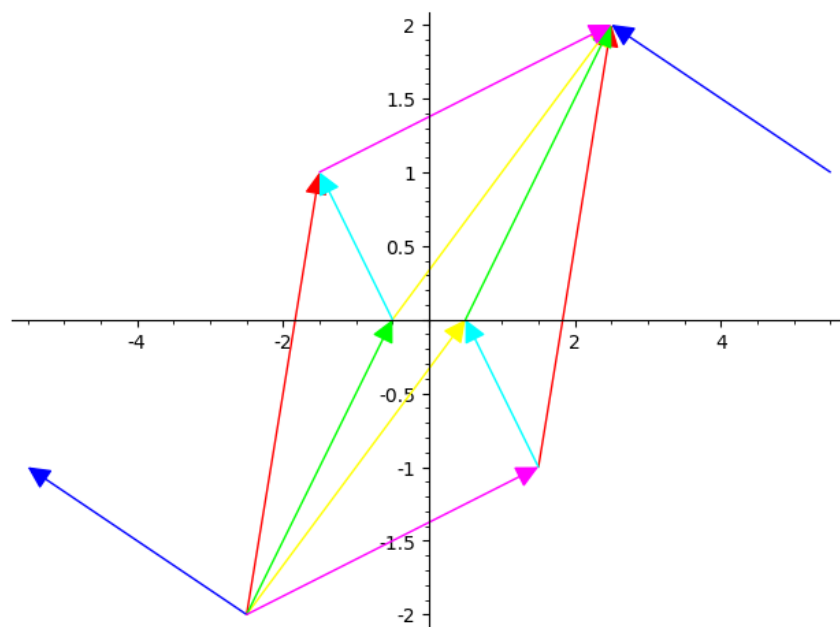
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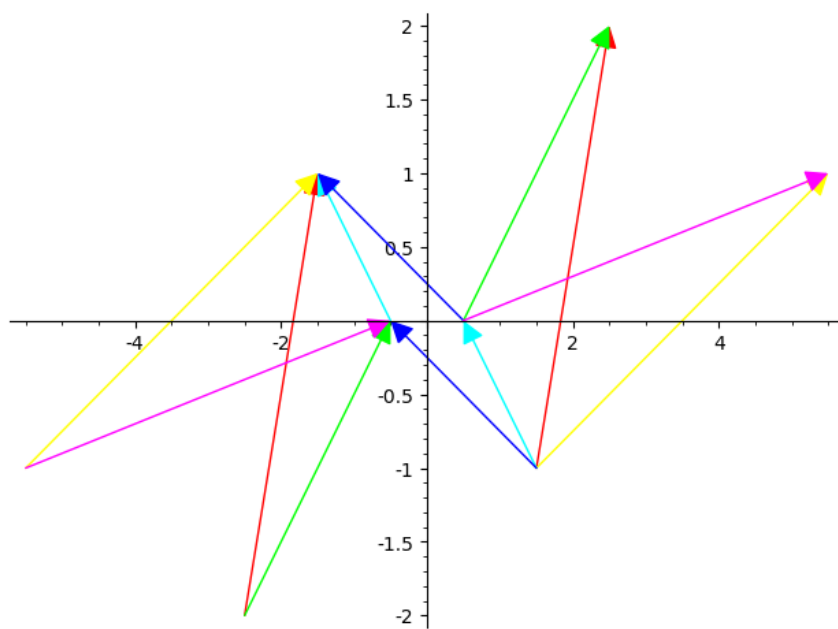
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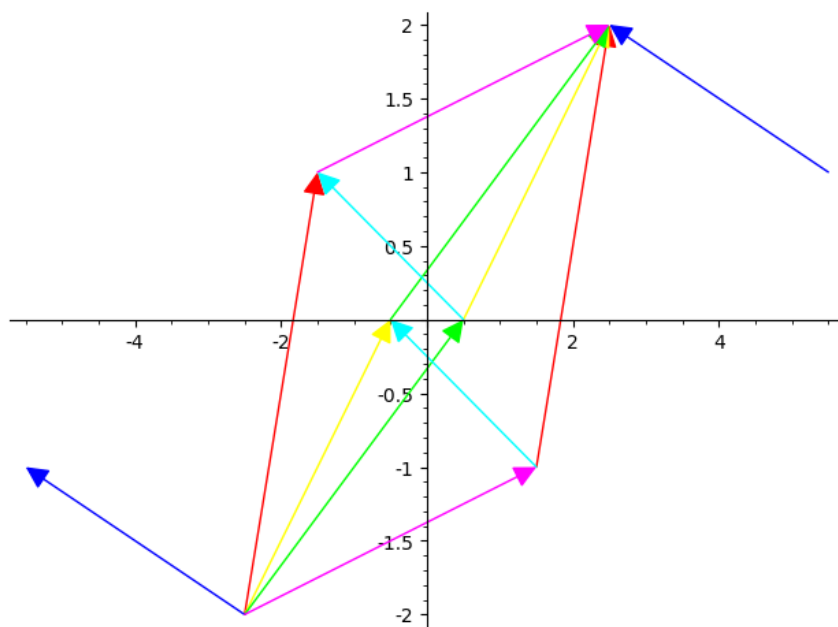
[13, 15, -1, 1]



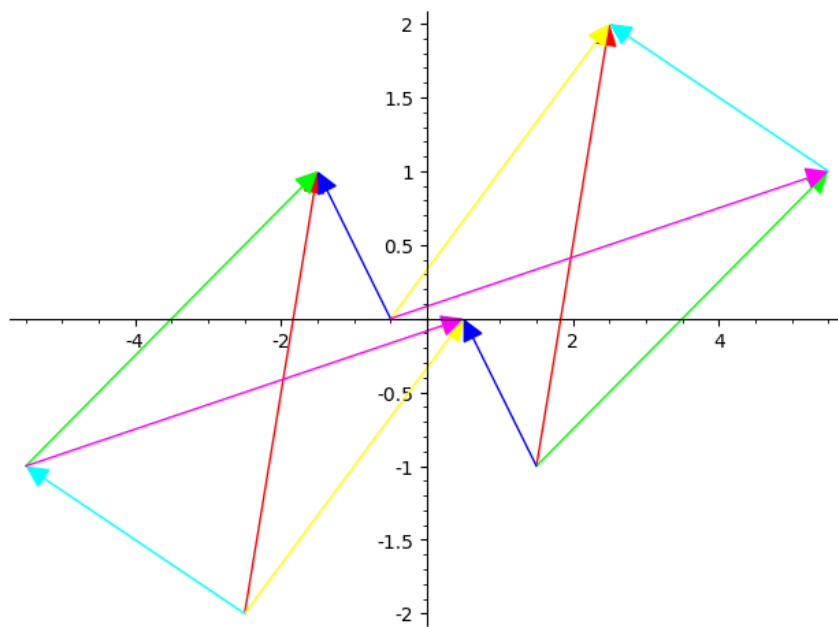
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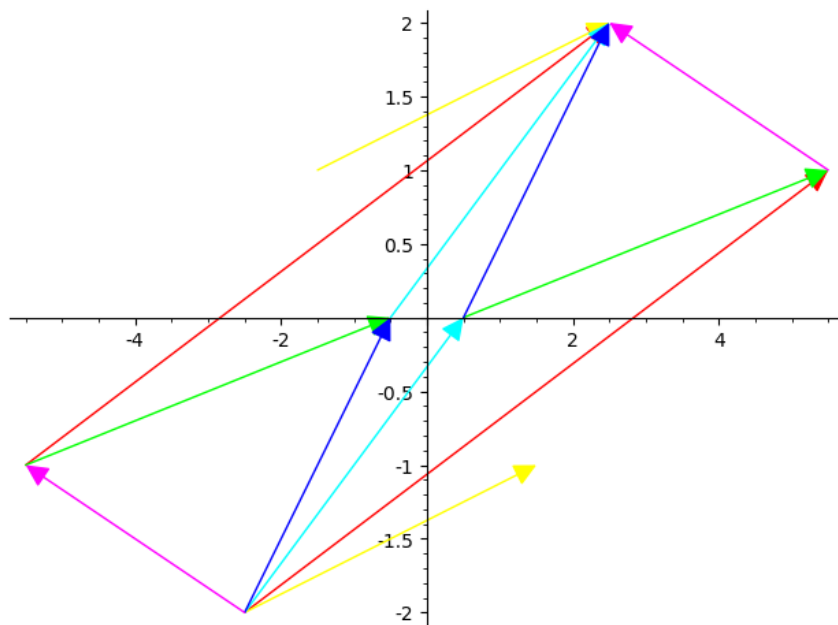
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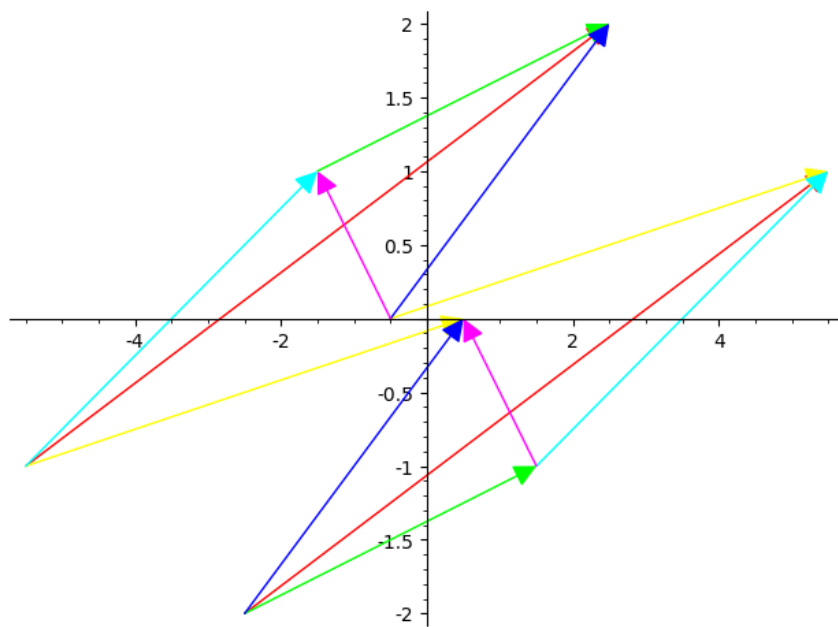
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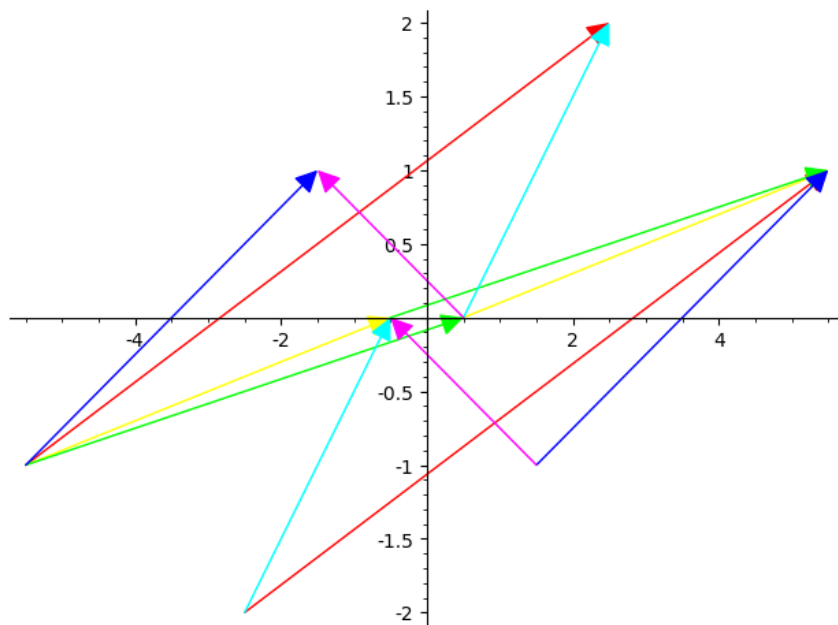
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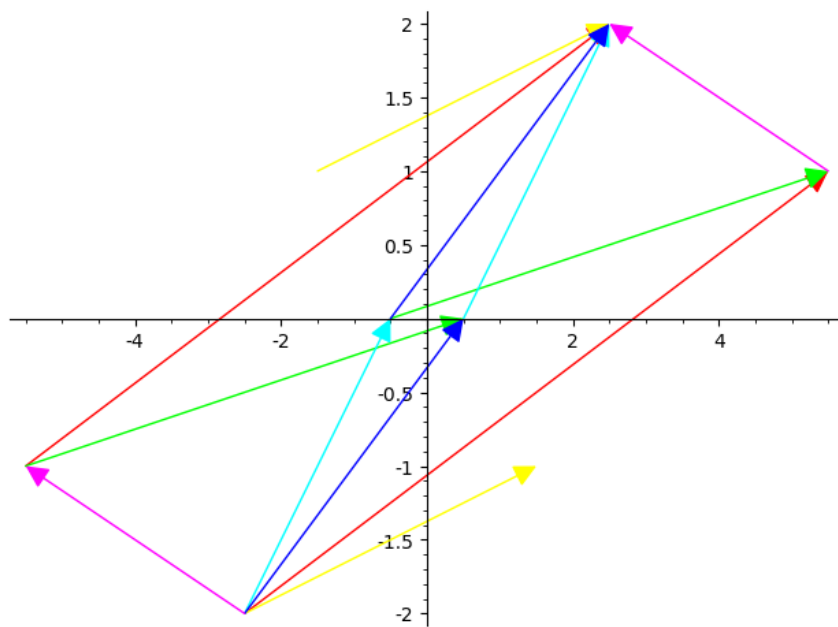
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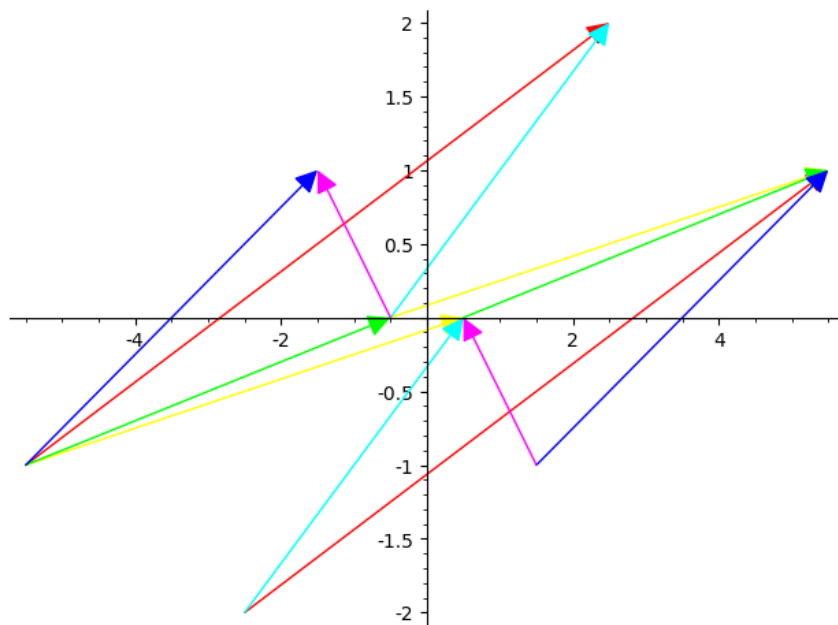
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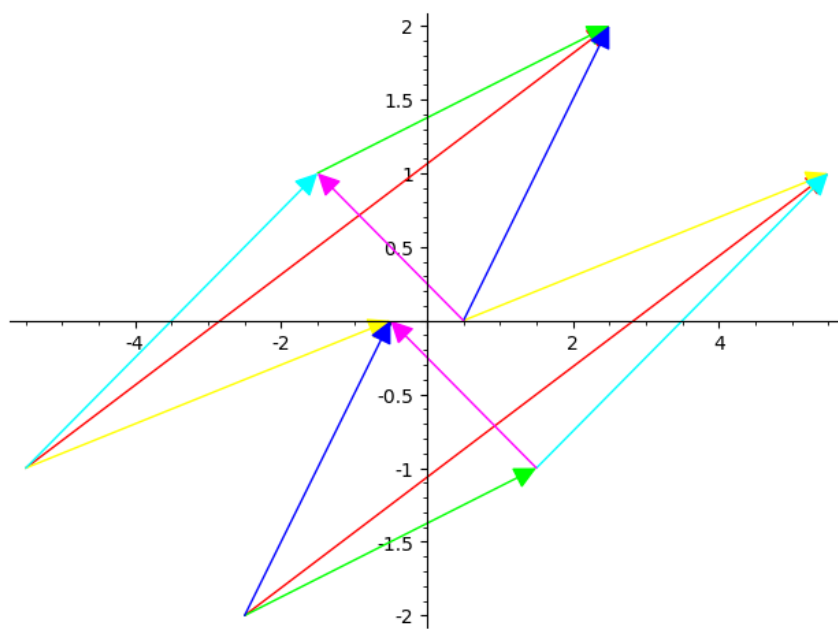
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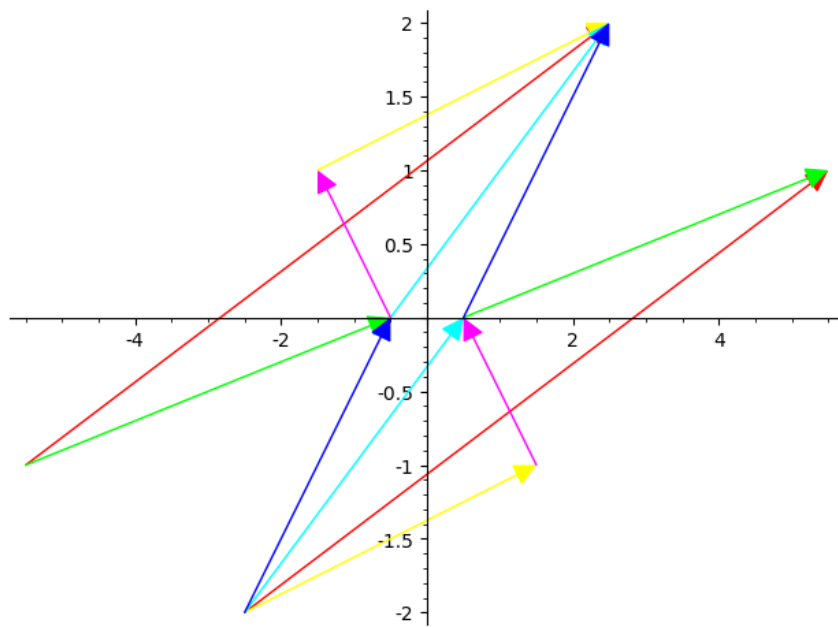
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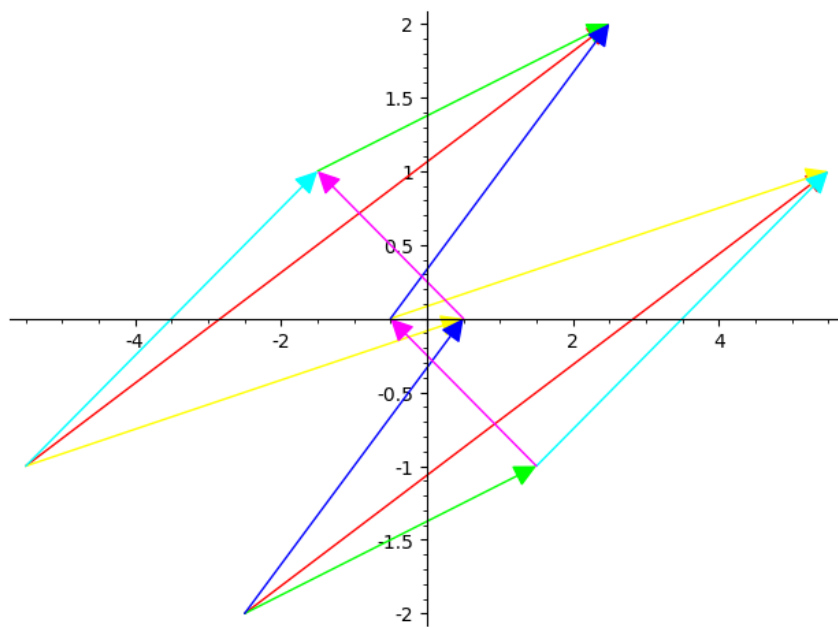
$[19/2, -1/2, 15/2, 1/2]$



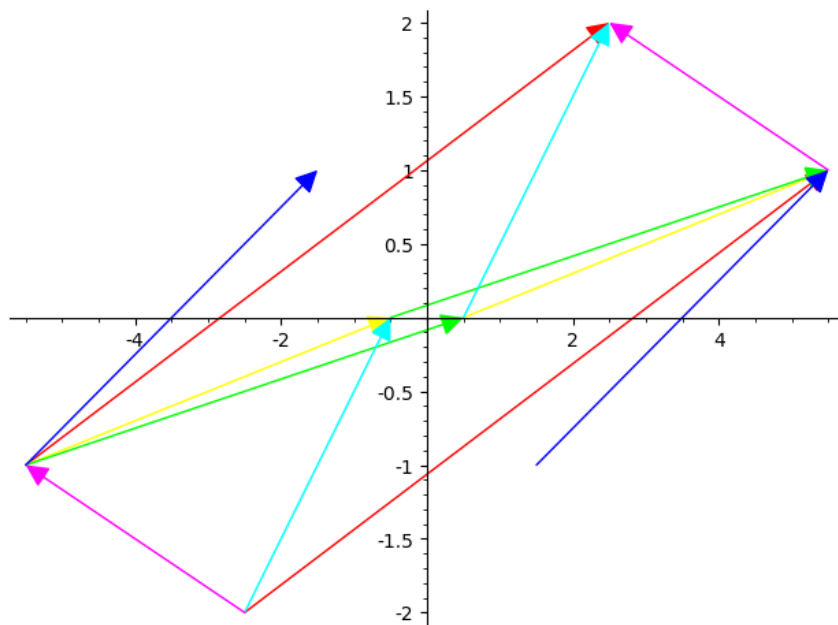
$[45/2, 3/2, 39/2, -3/2]$



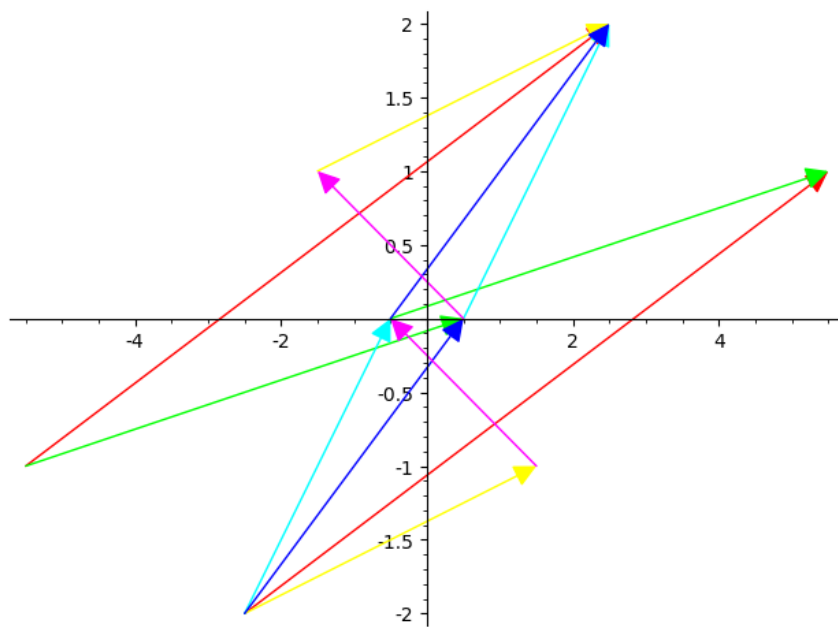
$[-1, 9, 5, 1]$



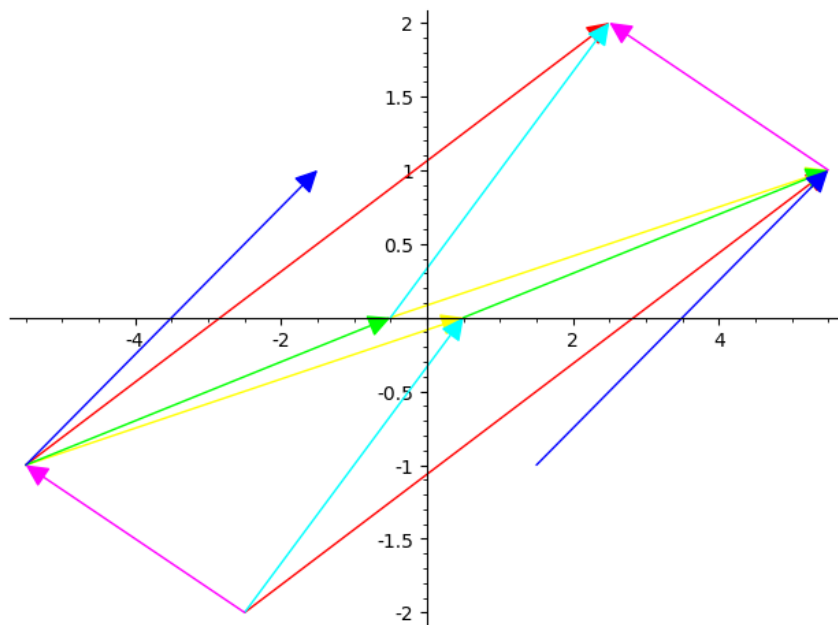
$[11/2, 44, 33, -11/2]$



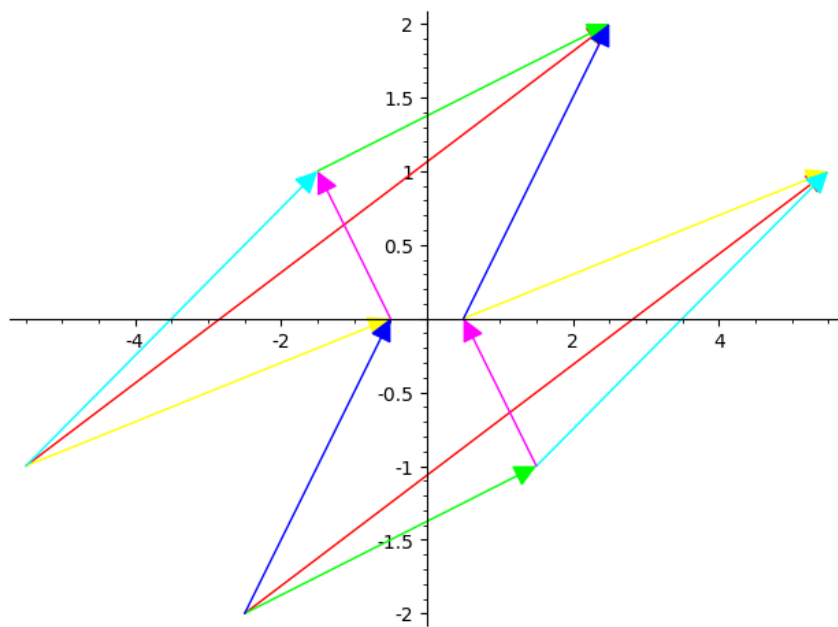
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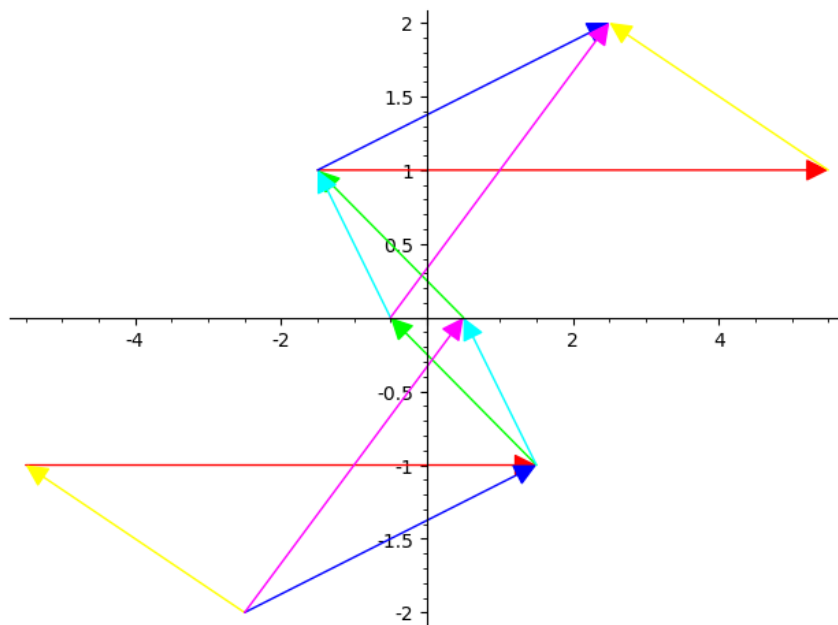
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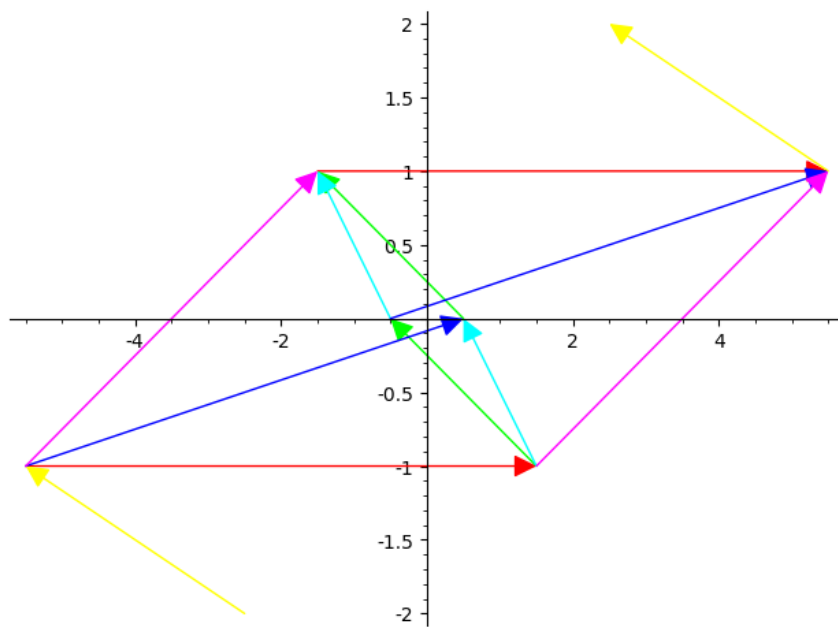
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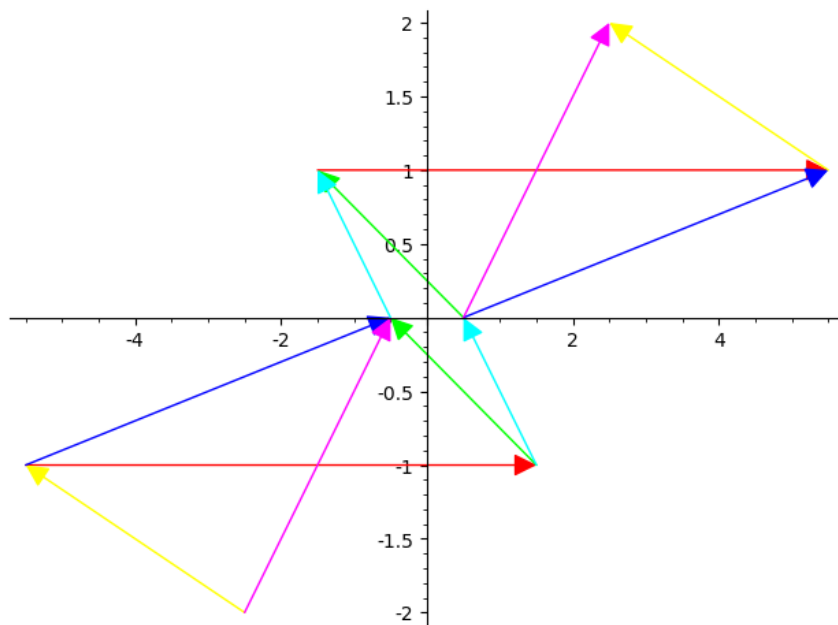
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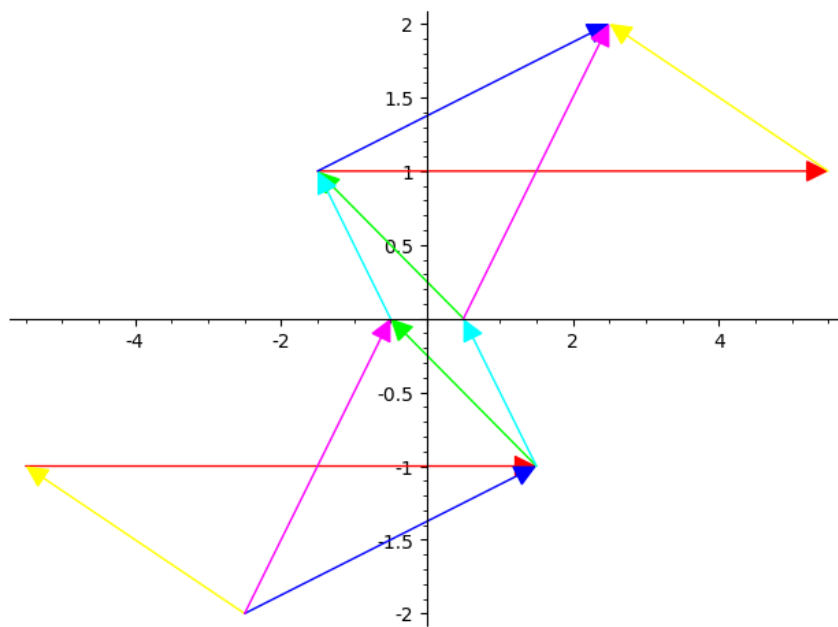
$[13, 15, 1, -1]$



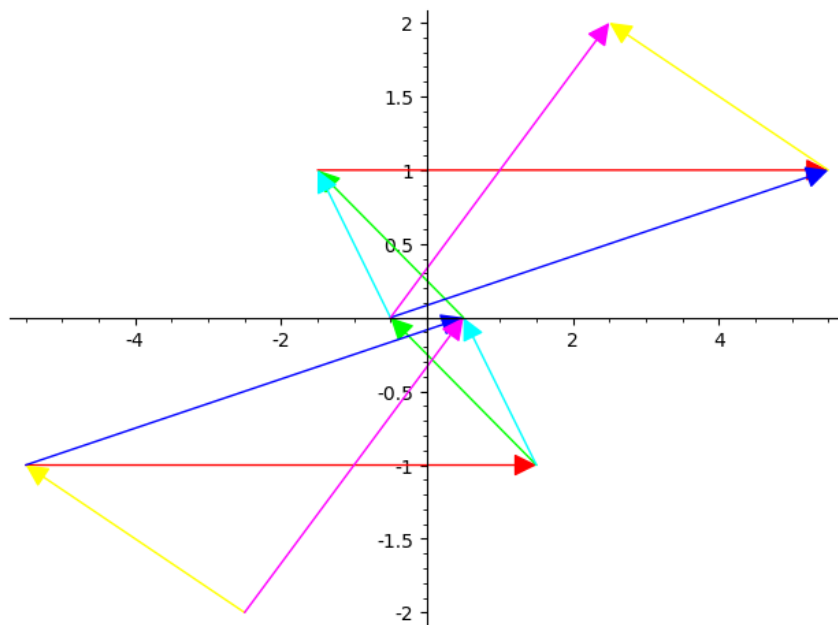
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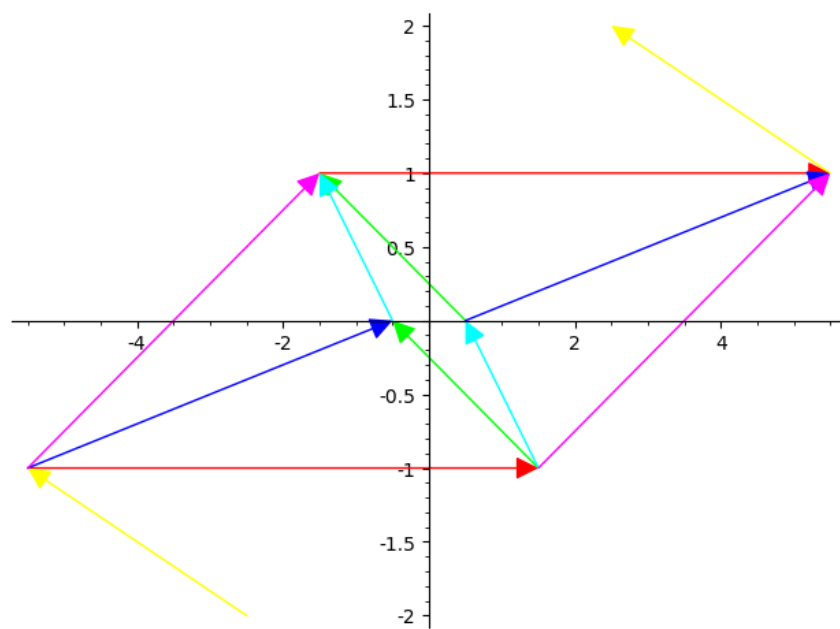
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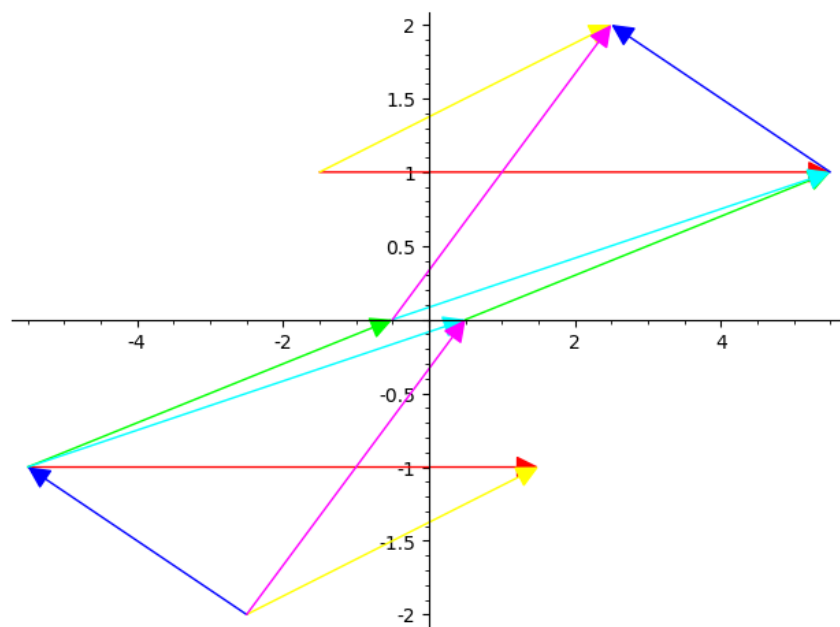
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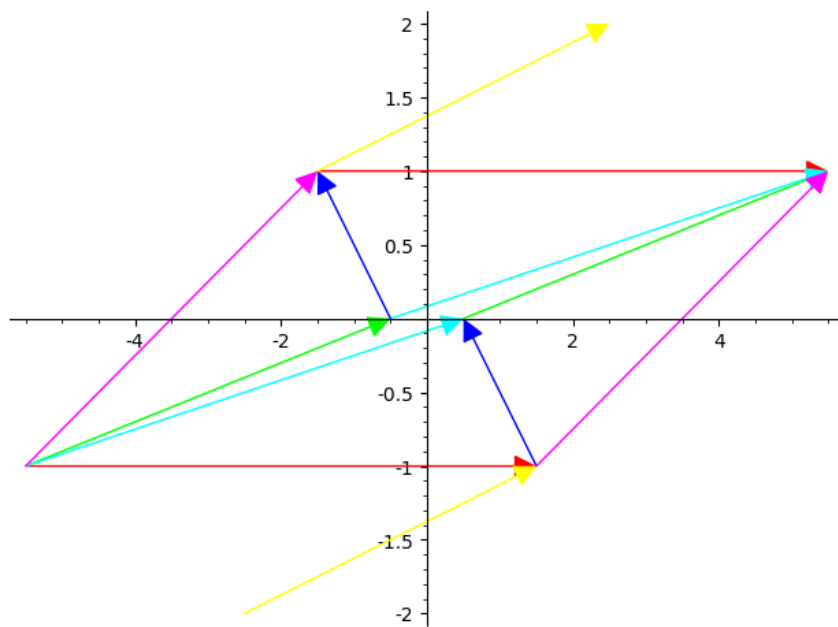
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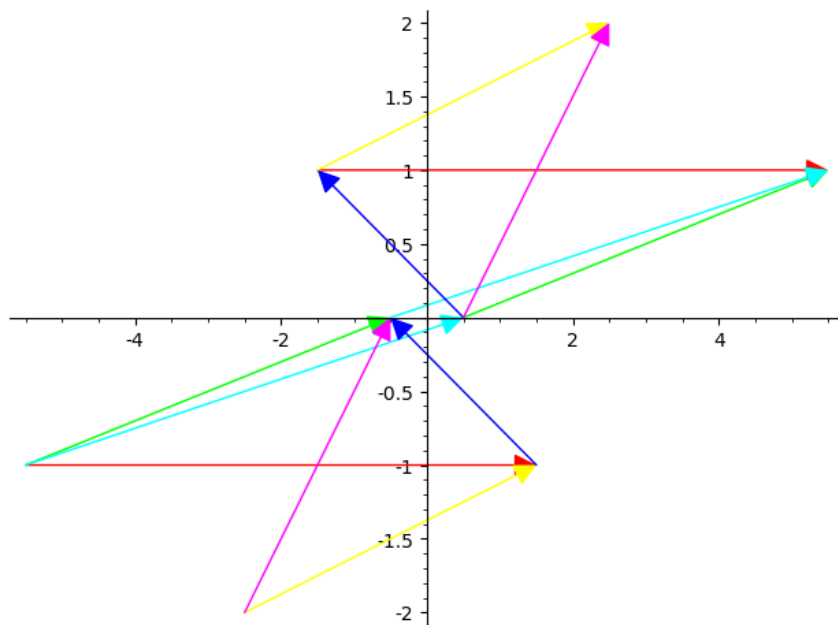
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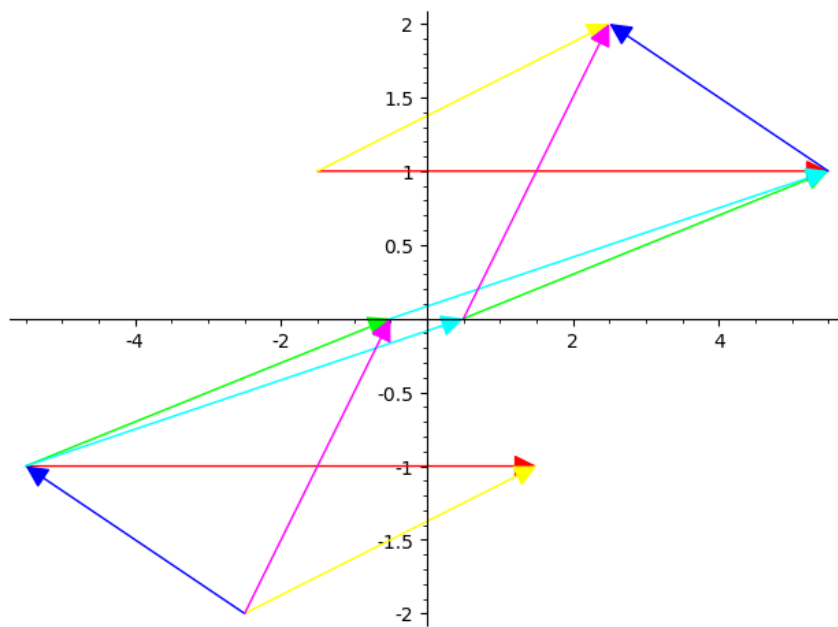
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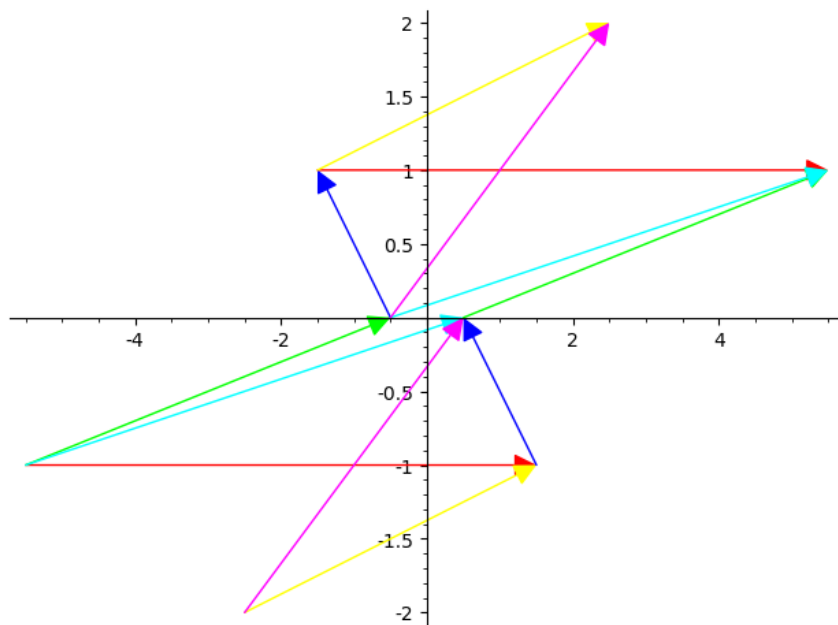
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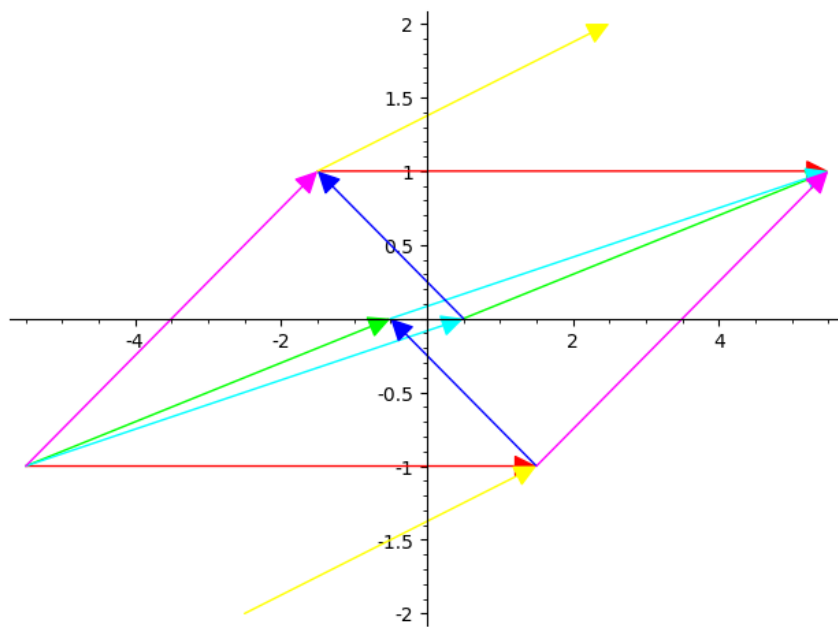
$[209/2, 11/2, 165/2, -11/2]$



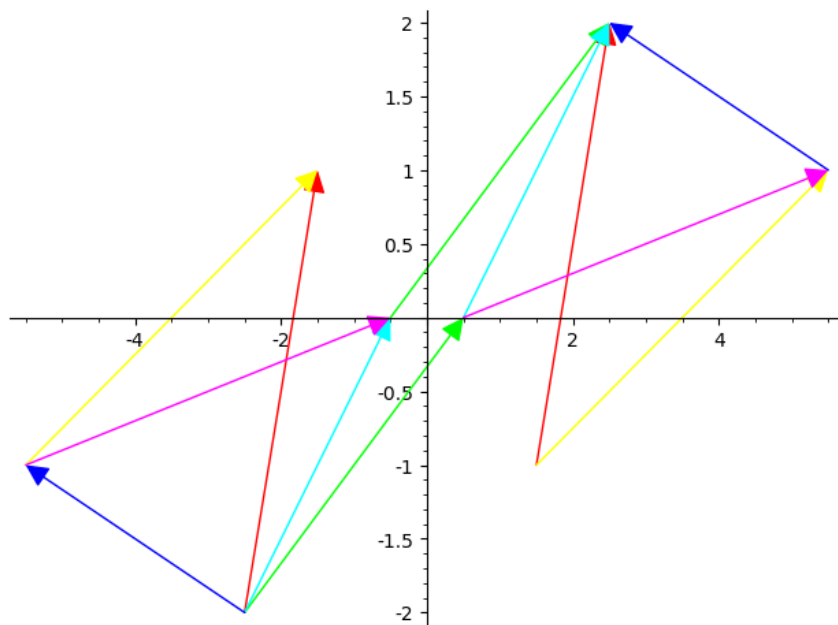
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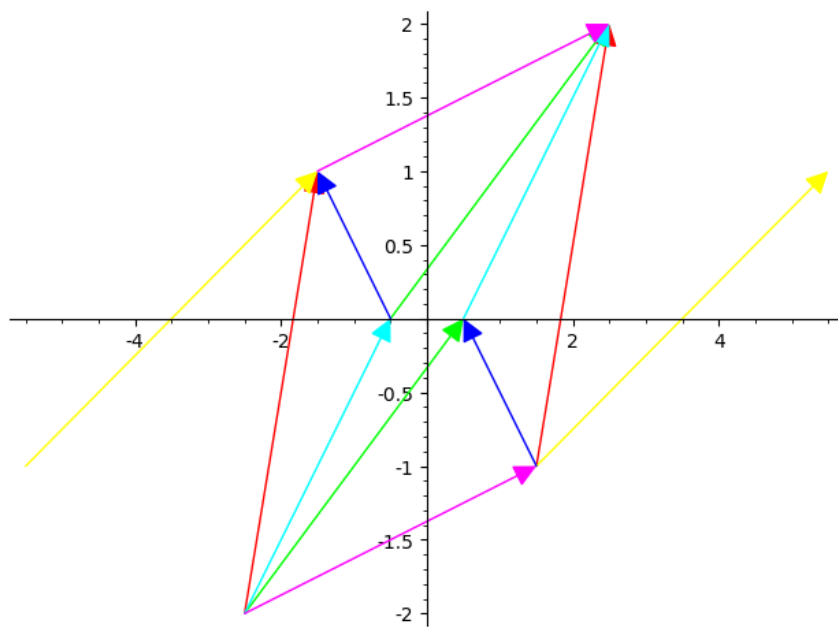
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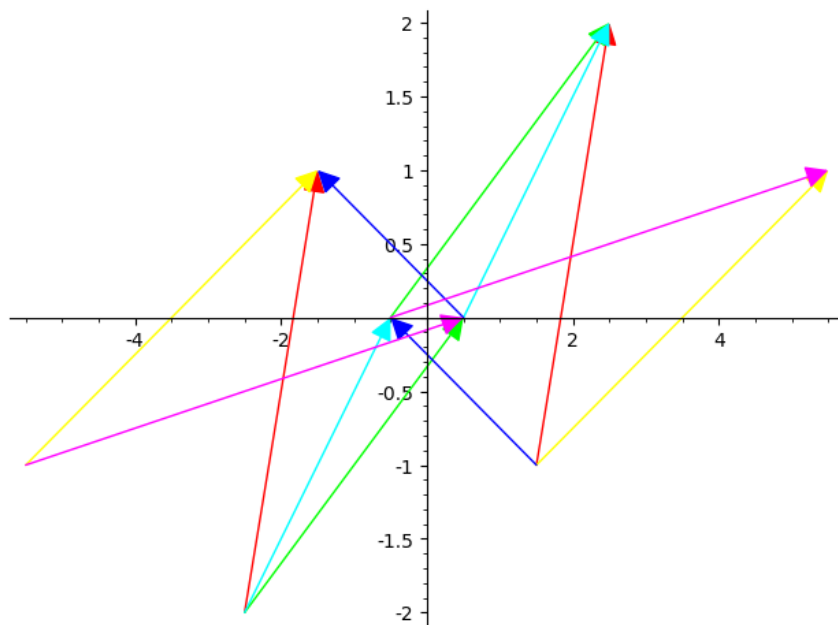
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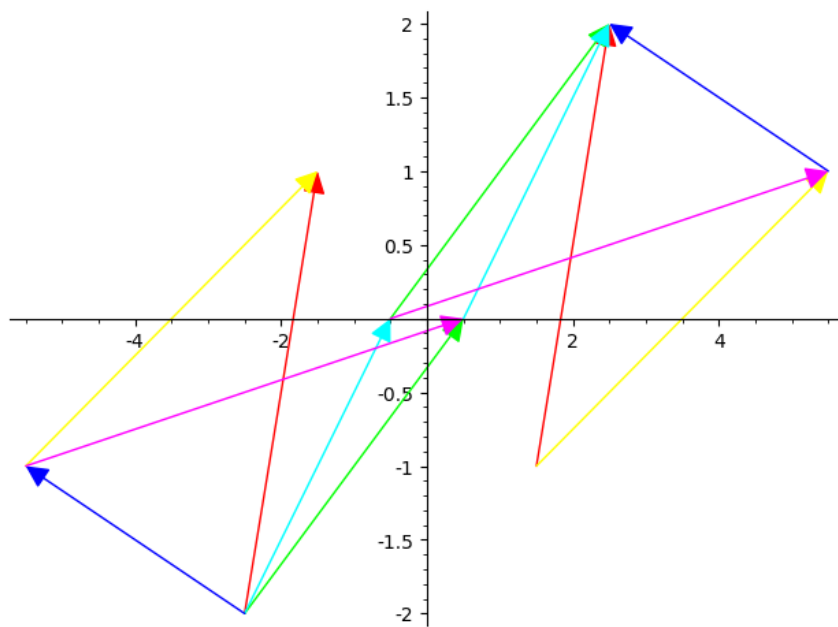
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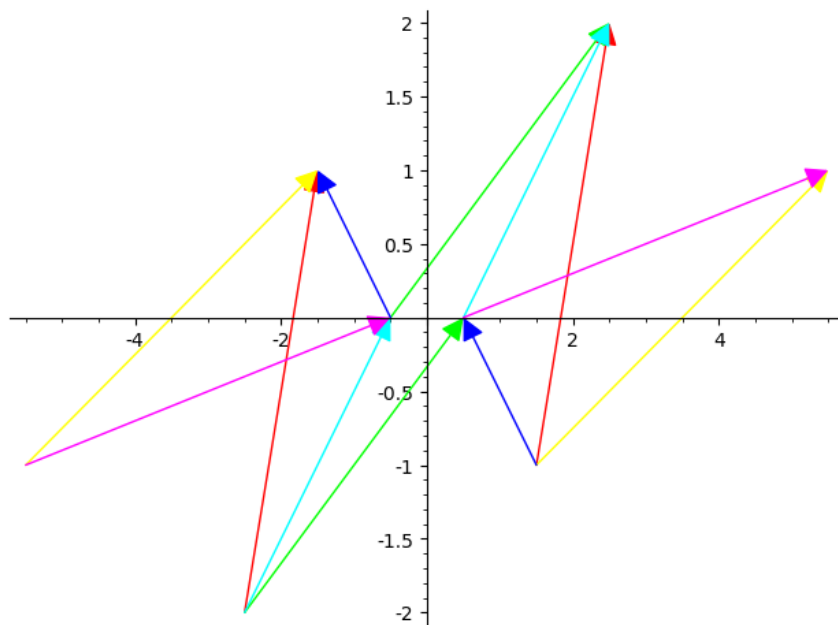
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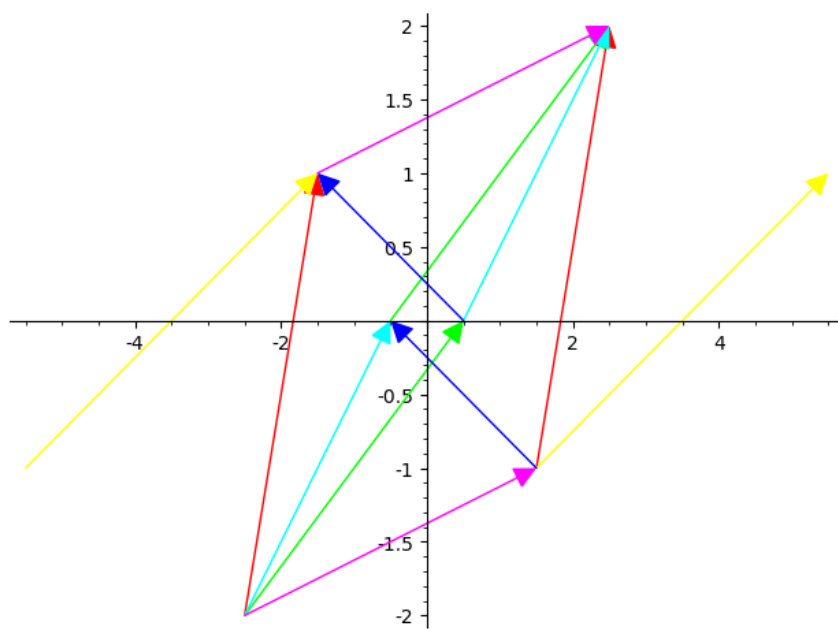
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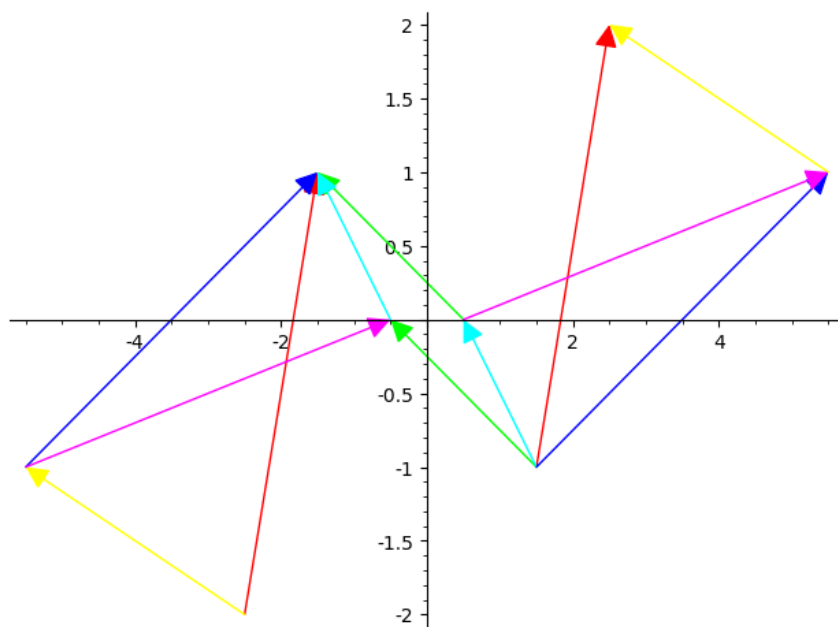
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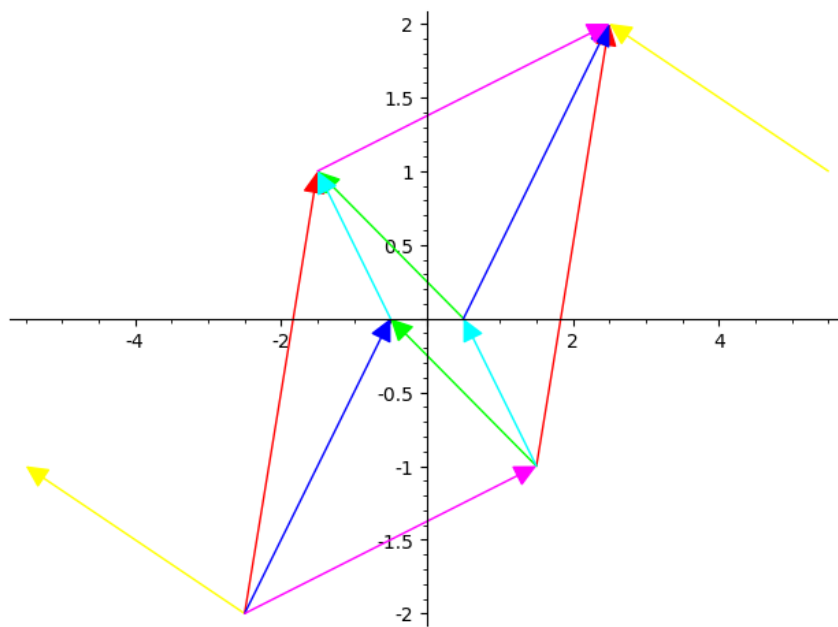
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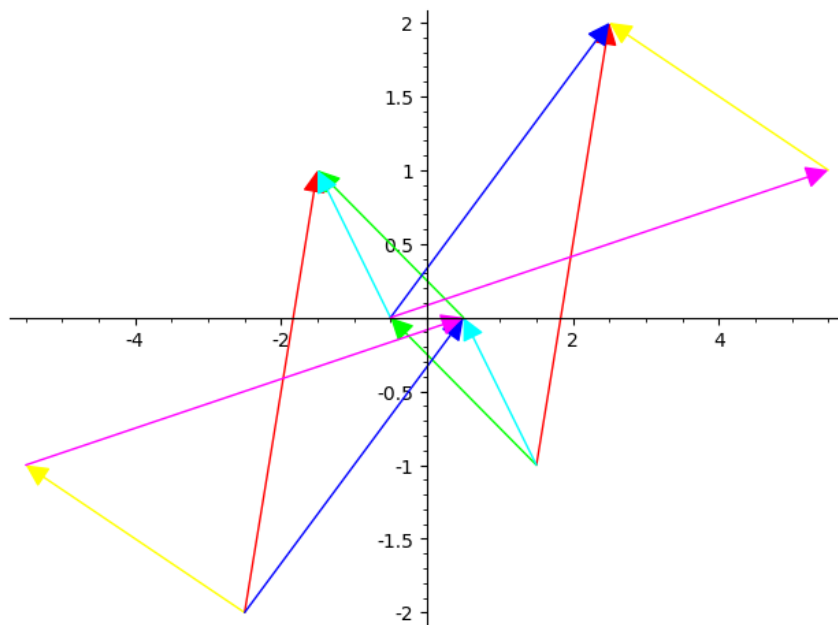
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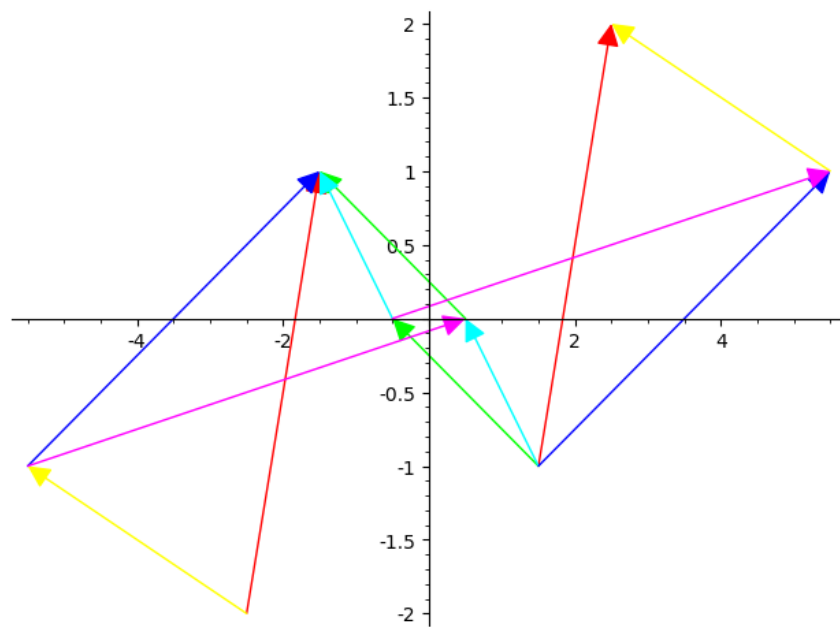
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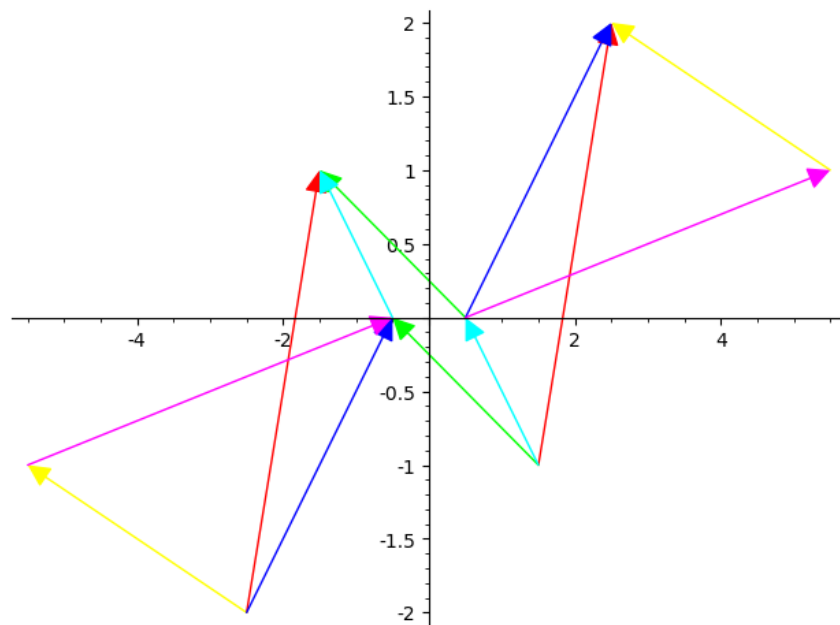
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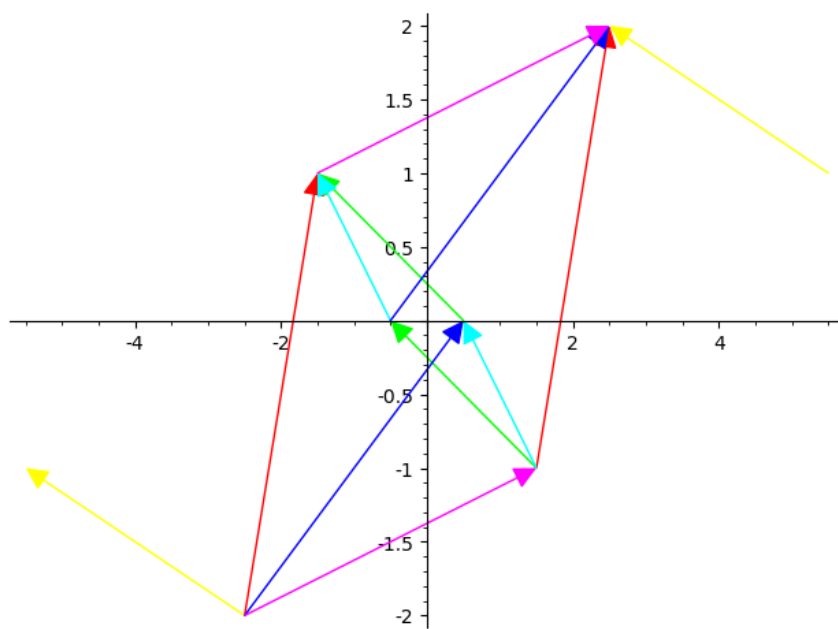
$[9, 13, 1, -1]$



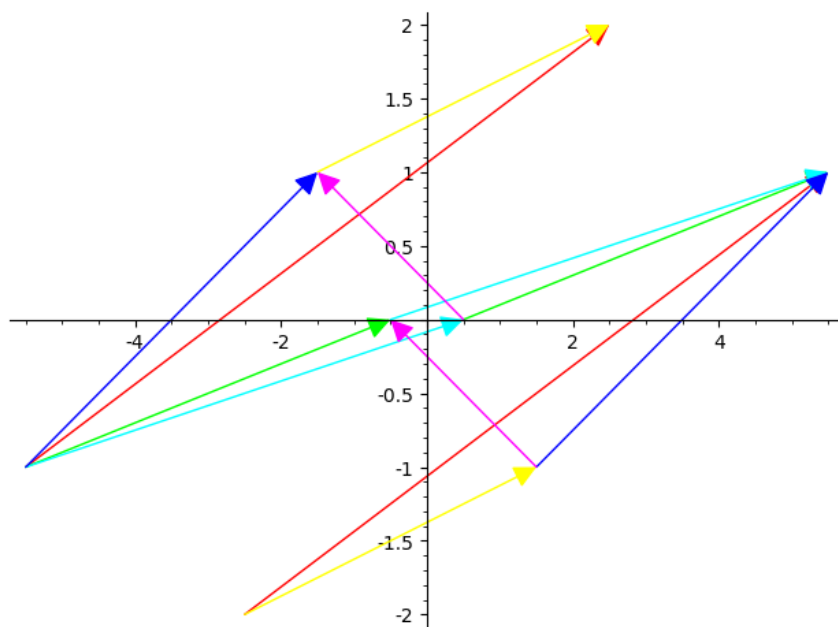
$[9, 13, 1, -1]$



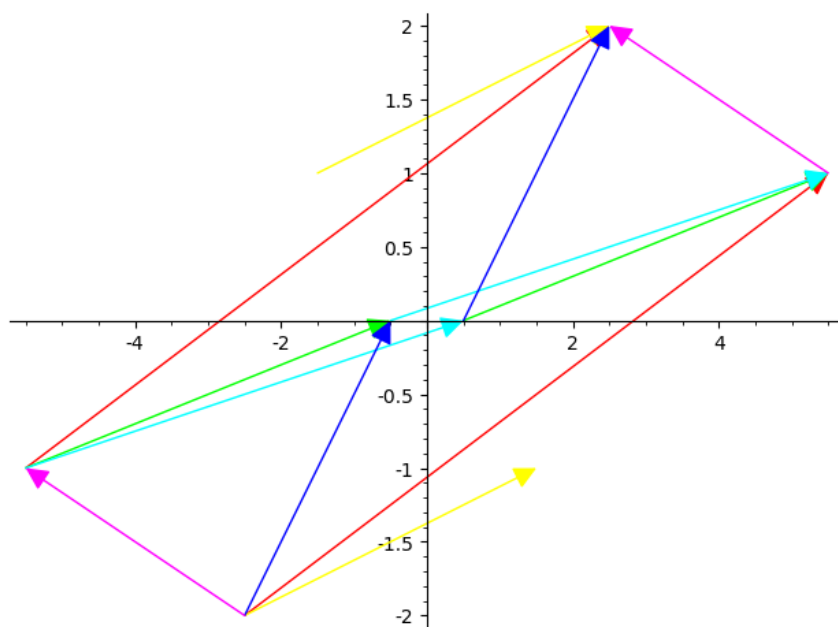
$[13, 15, -1, 1]$



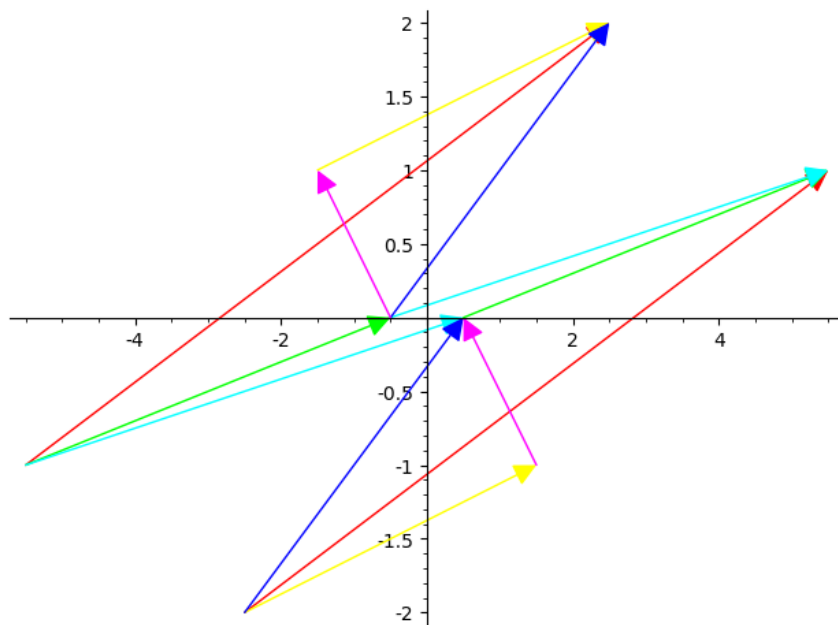
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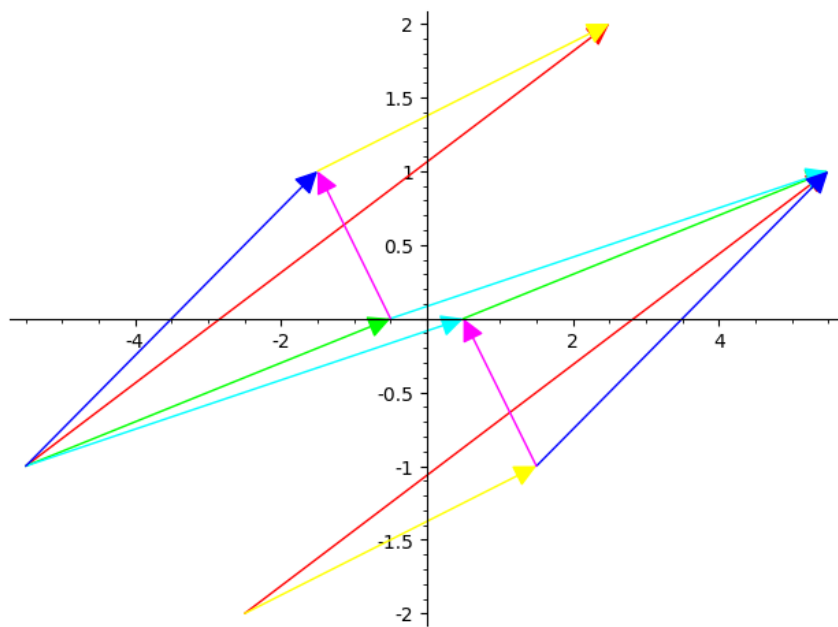
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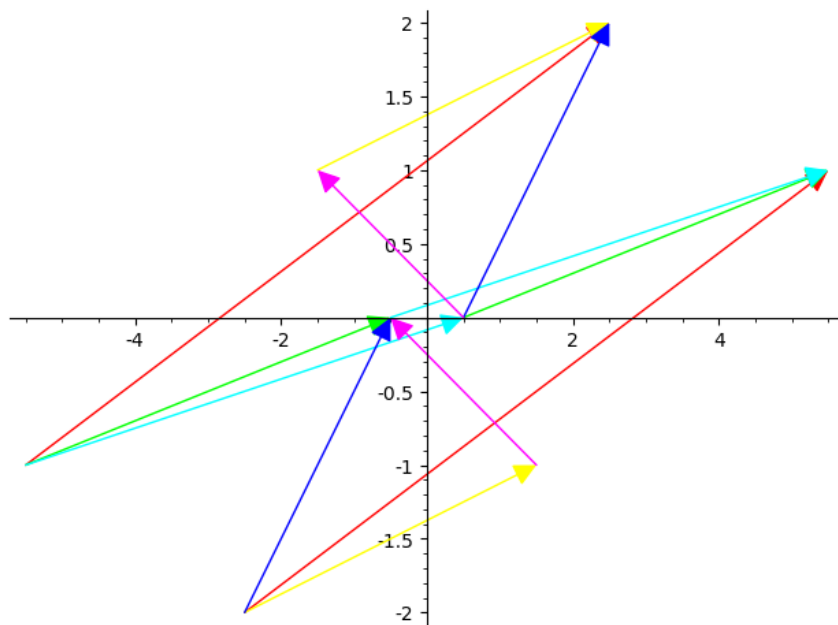
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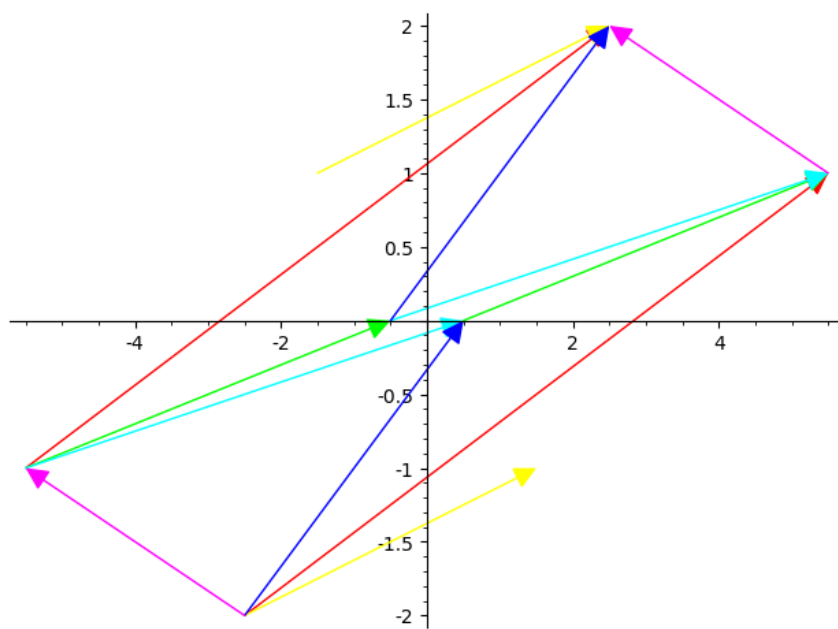
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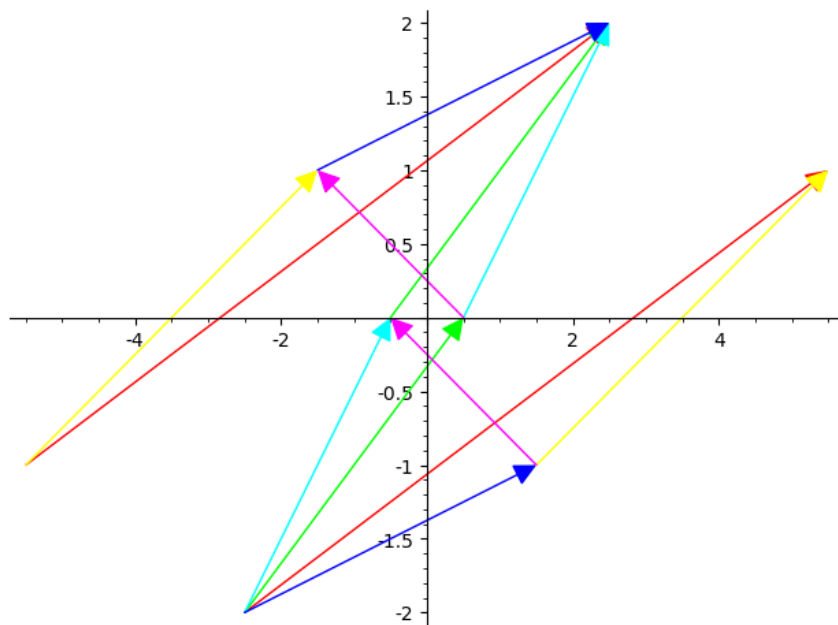
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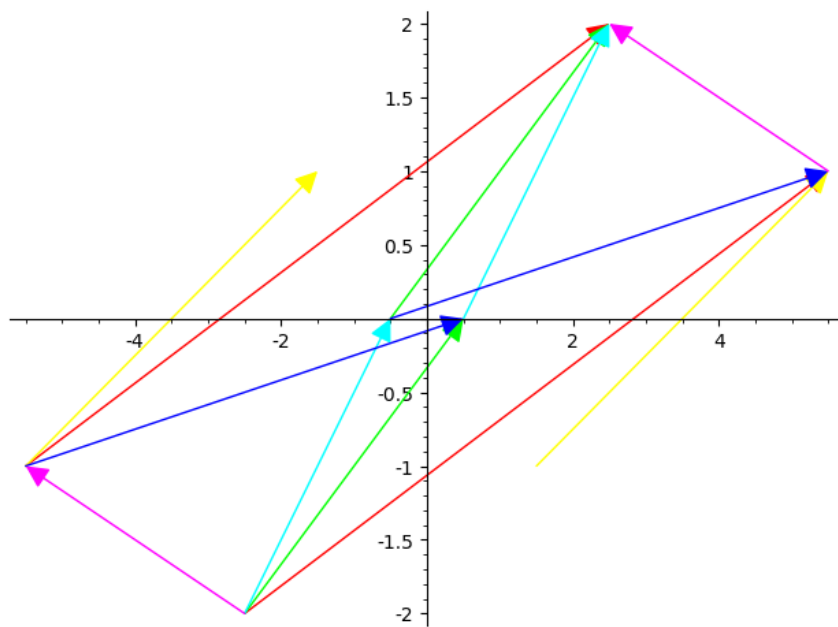
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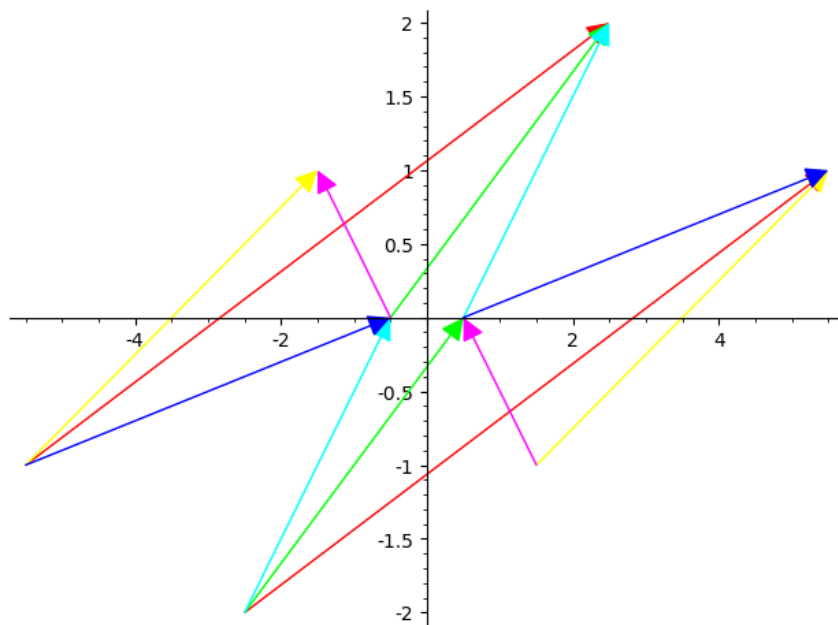
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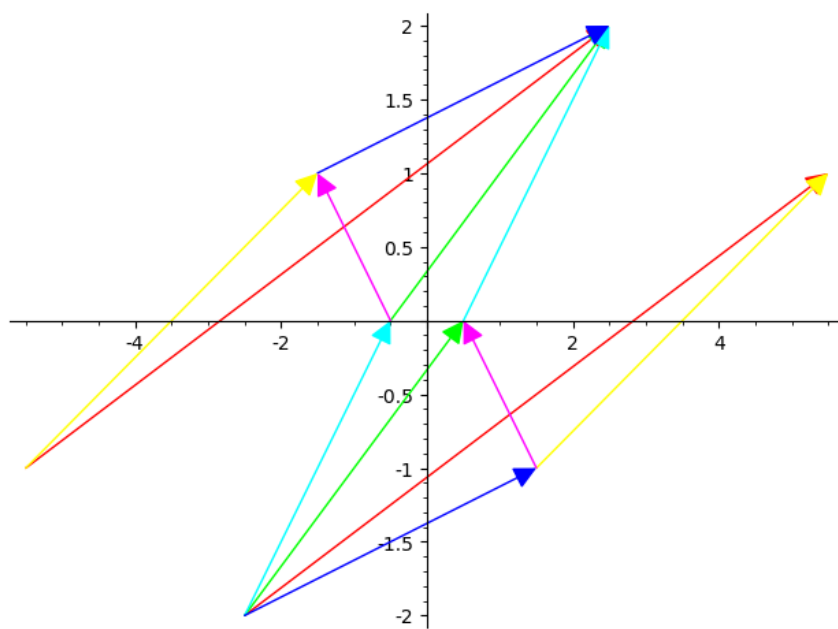
$[11/2, 44, 33, -11/2]$



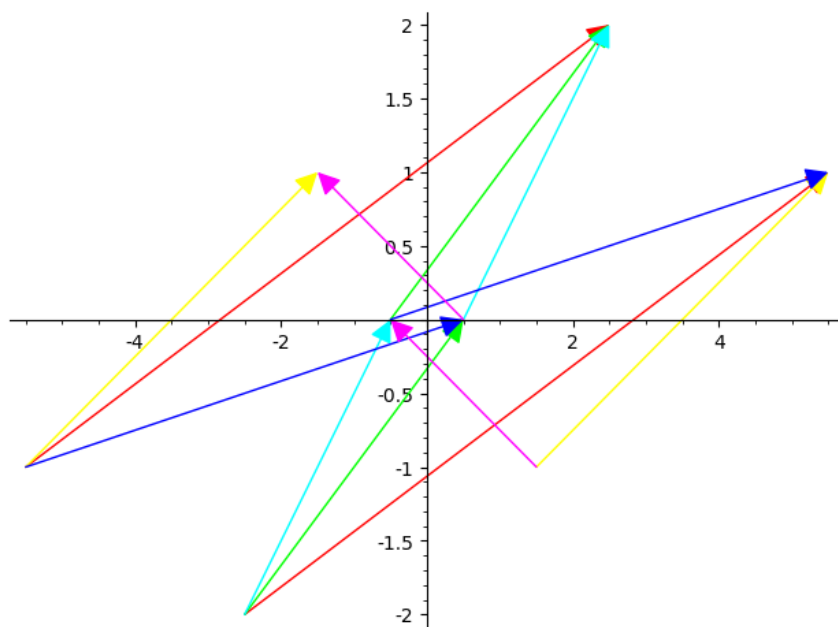
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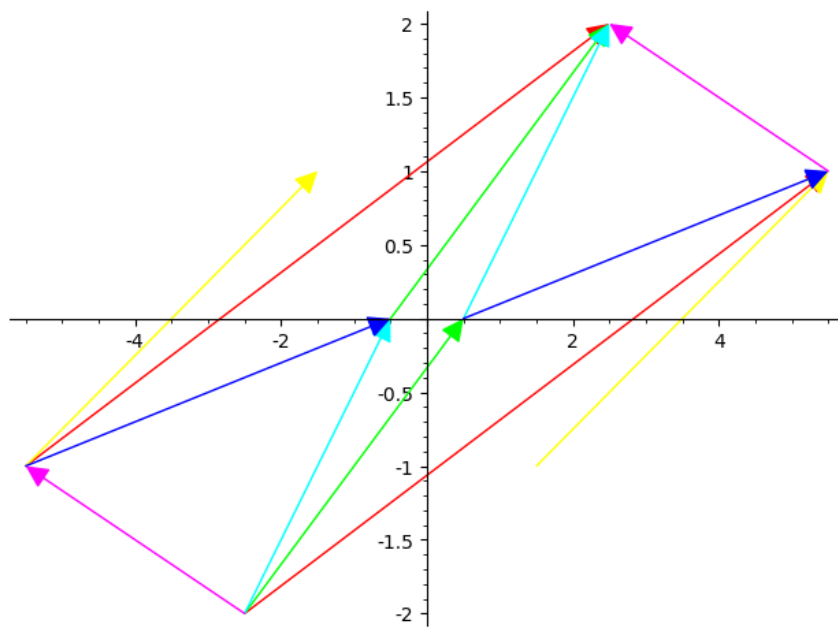
$[-3/2, 27/2, 15/2, 3/2]$



$[-11/2, 99/2, 55/2, 11/2]$



$[1/2, 4, 3, -1/2]$



$[0, 0, 21/2, 0]$