

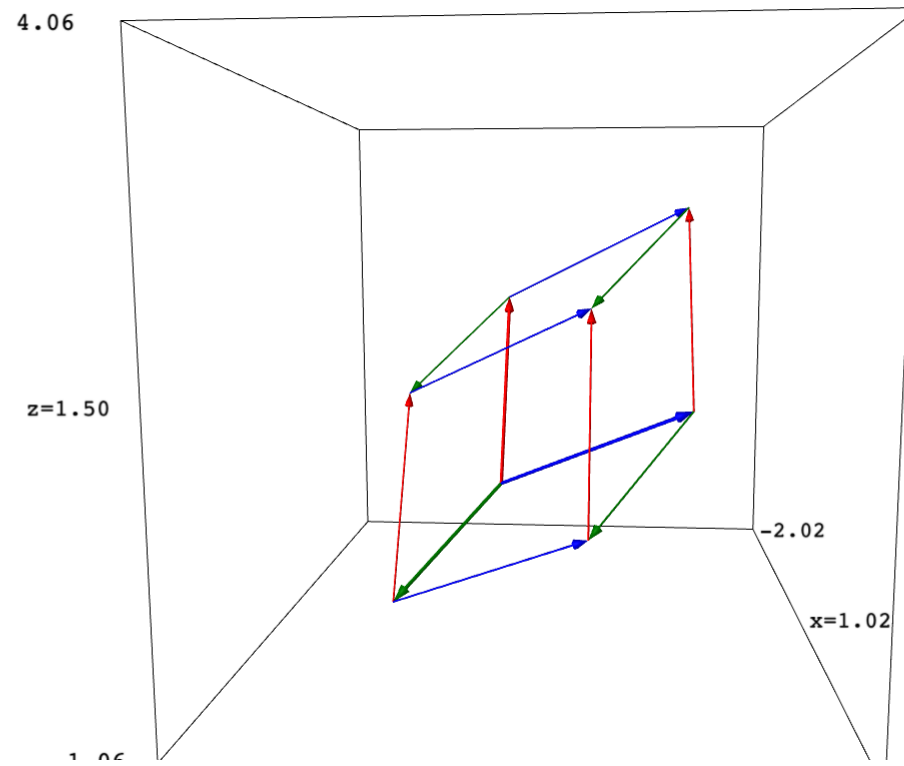
```
In [1]: def plot_parallelepiped(v_1,v_2,v_3) :
        a1=plot(arrow([0,0,0],v_1, color='blue'));
        a2=plot(arrow([0,0,0], v_2, color='red'));
        a3=plot(arrow([0,0,0], v_3, color='green'));
        a12=plot(arrow(v_1, v_1+v_2, color='red', width=0.5, head_radius=0.05));
        a13=plot(arrow(v_1, v_1+v_3, color='green', width=0.5, head_radius=0.05));
        a23=plot(arrow(v_2, v_2+v_3, color='green', width=0.5, head_radius=0.05));
        a21=plot(arrow(v_2, v_2+v_1, color='blue', width=0.5, head_radius=0.05));
        a31=plot(arrow(v_3, v_3+v_1, color='blue', width=0.5, head_radius=0.05));
        a32=plot(arrow(v_3, v_3+v_2, color='red', width=0.5, head_radius=0.05));
        a123=plot(arrow(v_1+v_2, v_1+v_2+v_3, color='green', width=0.5, head_radius=0.05));
        a132=plot(arrow(v_1+v_3, v_1+v_2+v_3, color='red', width=0.5, head_radius=0.05));
        a231=plot(arrow(v_2+v_3, v_1+v_2+v_3, color='blue', width=0.5, head_radius=0.05));
        window=plot(arrow([-2,-2,-1], [4,3,4], opacity=0));
        return (a1+a2+a3+a12+a13+a21+a23+a31+a32+a123+a132+a231+window)
```

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In [2]: v_1=vector([1,2,1]);
        v_2=vector([-1,0,2]);
        v_3=vector([1,-1,-1]);
        matrix([v_1,v_2,v_3]).det()
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Out[2]: 5

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In [3]: show(plot_parallelepiped(v_1,v_2,v_3))
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Out[3]:



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In [0]:
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