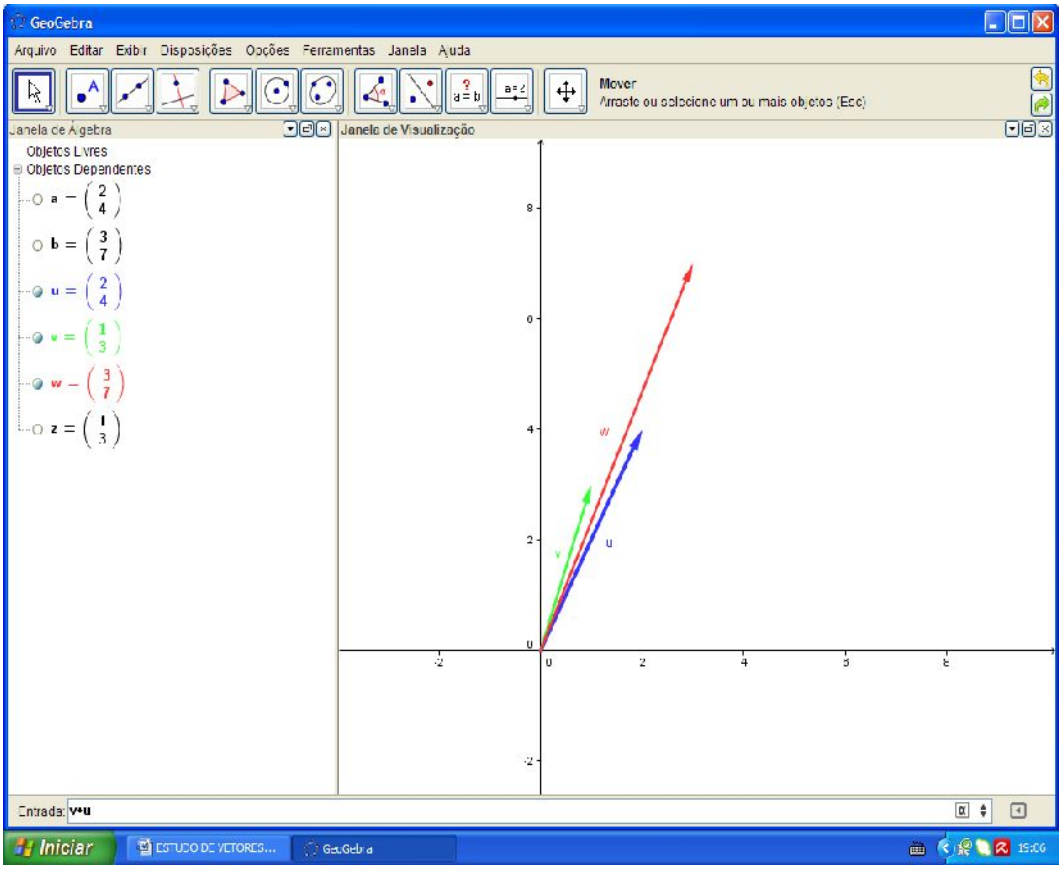
Propriedade da soma

seja os vetores u=Vetor[(2, 4)] v=Vetor[(1, 3)] e w= Vetor[(3, 7)] temos:

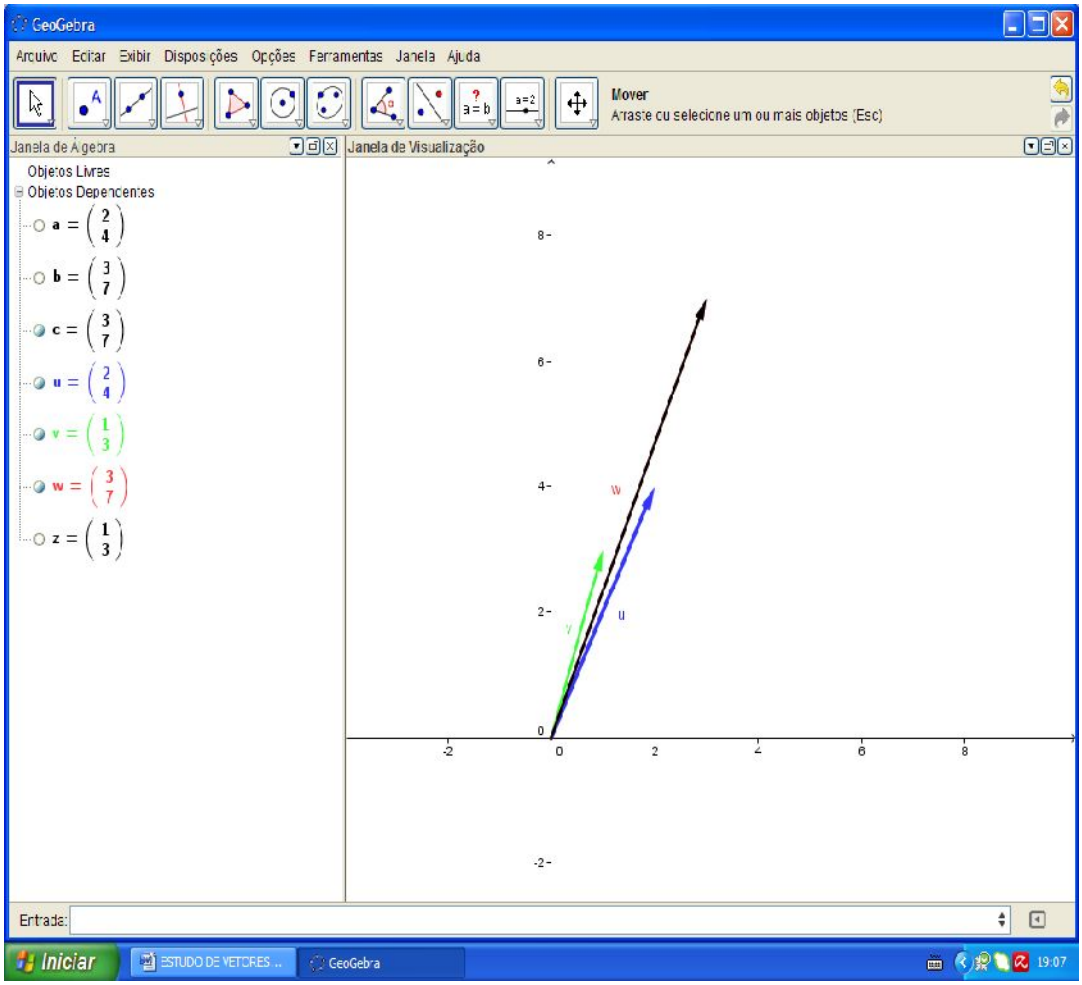
i) Soma de vetores u + v = v + u (comutativa)

u+v



ISBN N° 978-85-8196-090-6

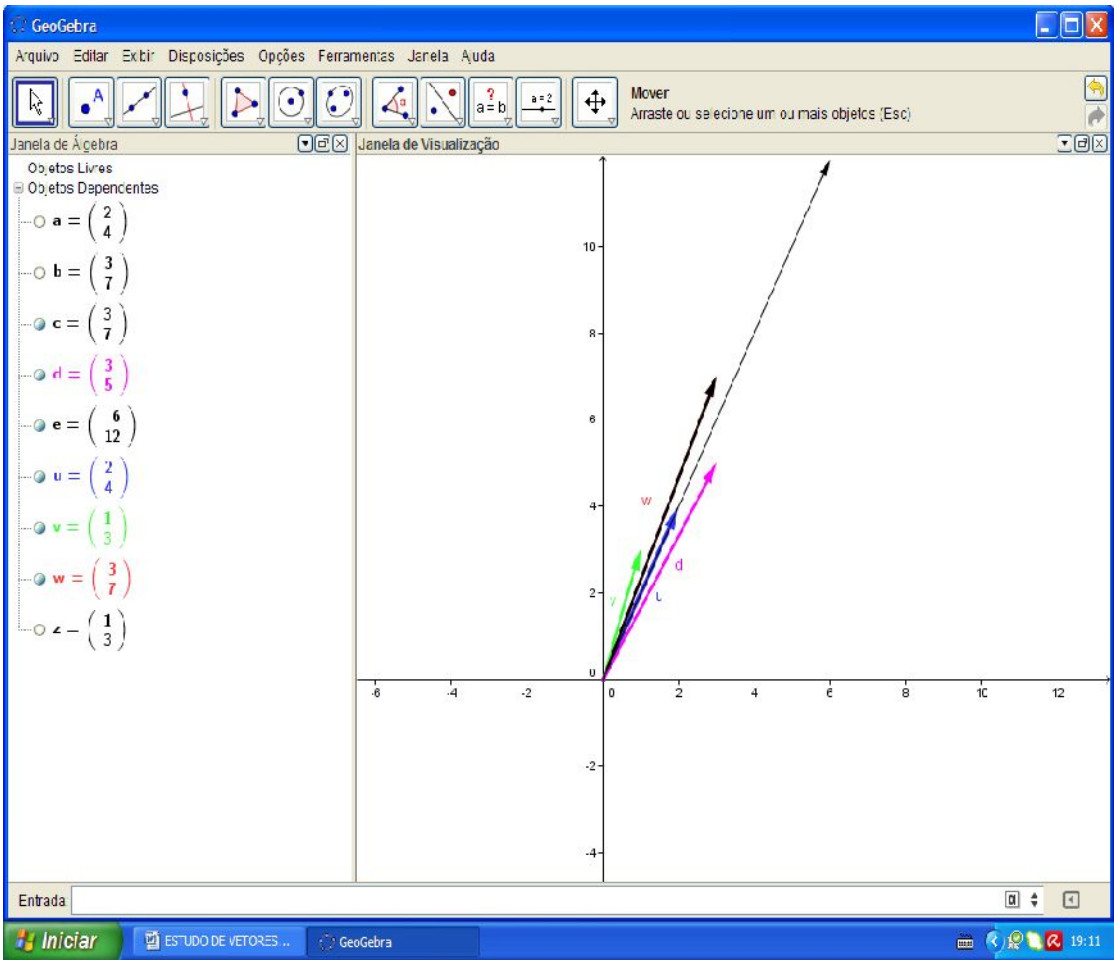
v+u



ISBN N° 978-85-8196-090-6

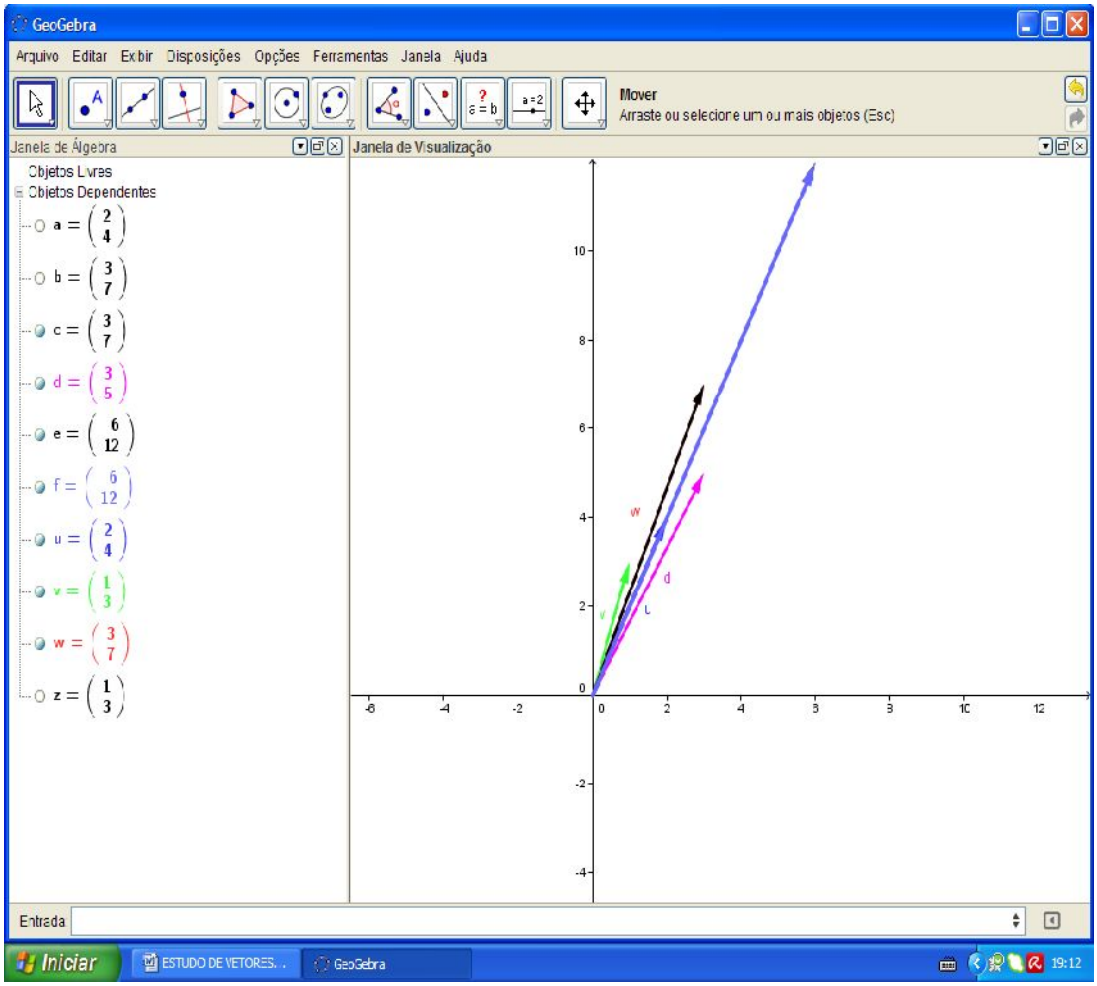
ii) Soma de vetores (u+v)+d=u+(v+d) onde w+u=u+(v+d)

w+d

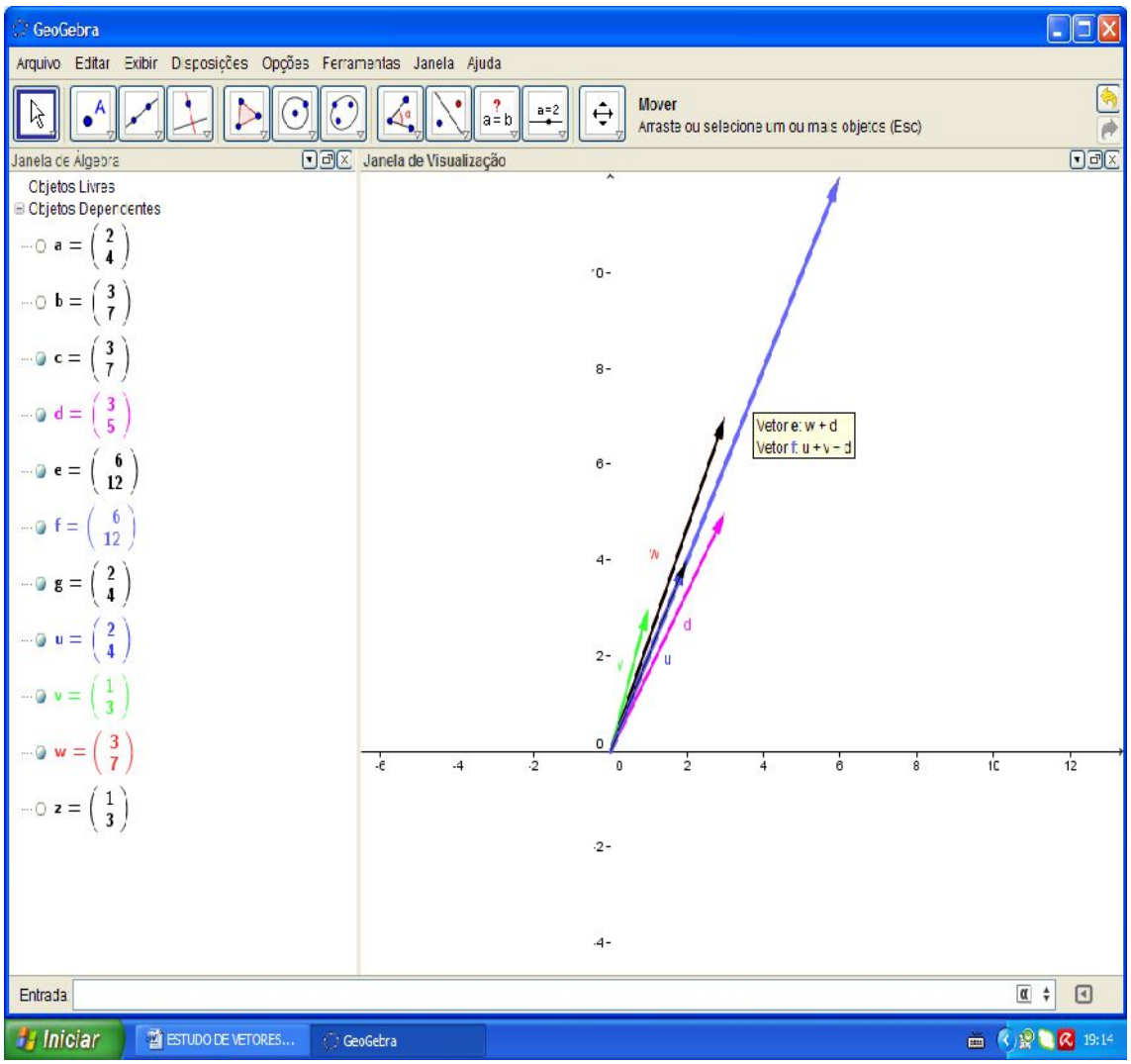


ISBN N° 978-85-8196-090-6

u+(v+d)



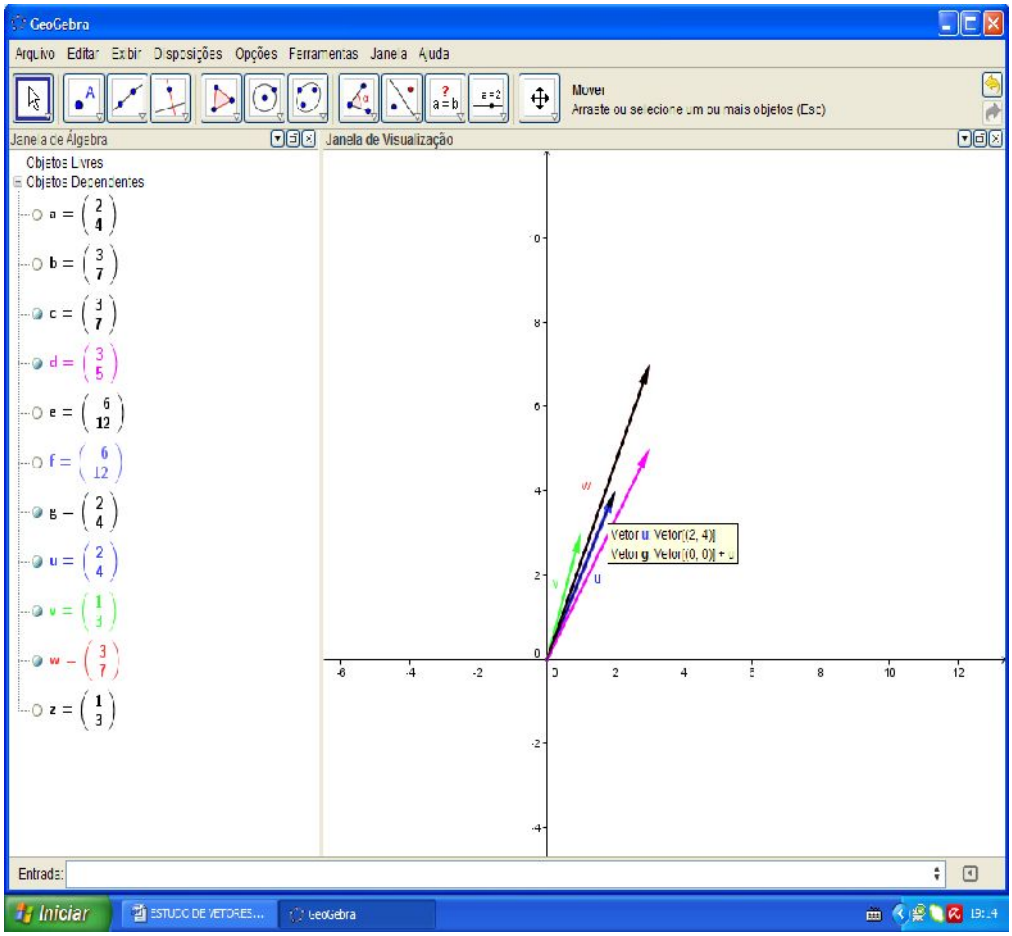
ISBN N° 978-85-8196-090-6



ISBN N° 978-85-8196-090-6

iii) Existe um único vetor nulo tal que u +0=0+u=u

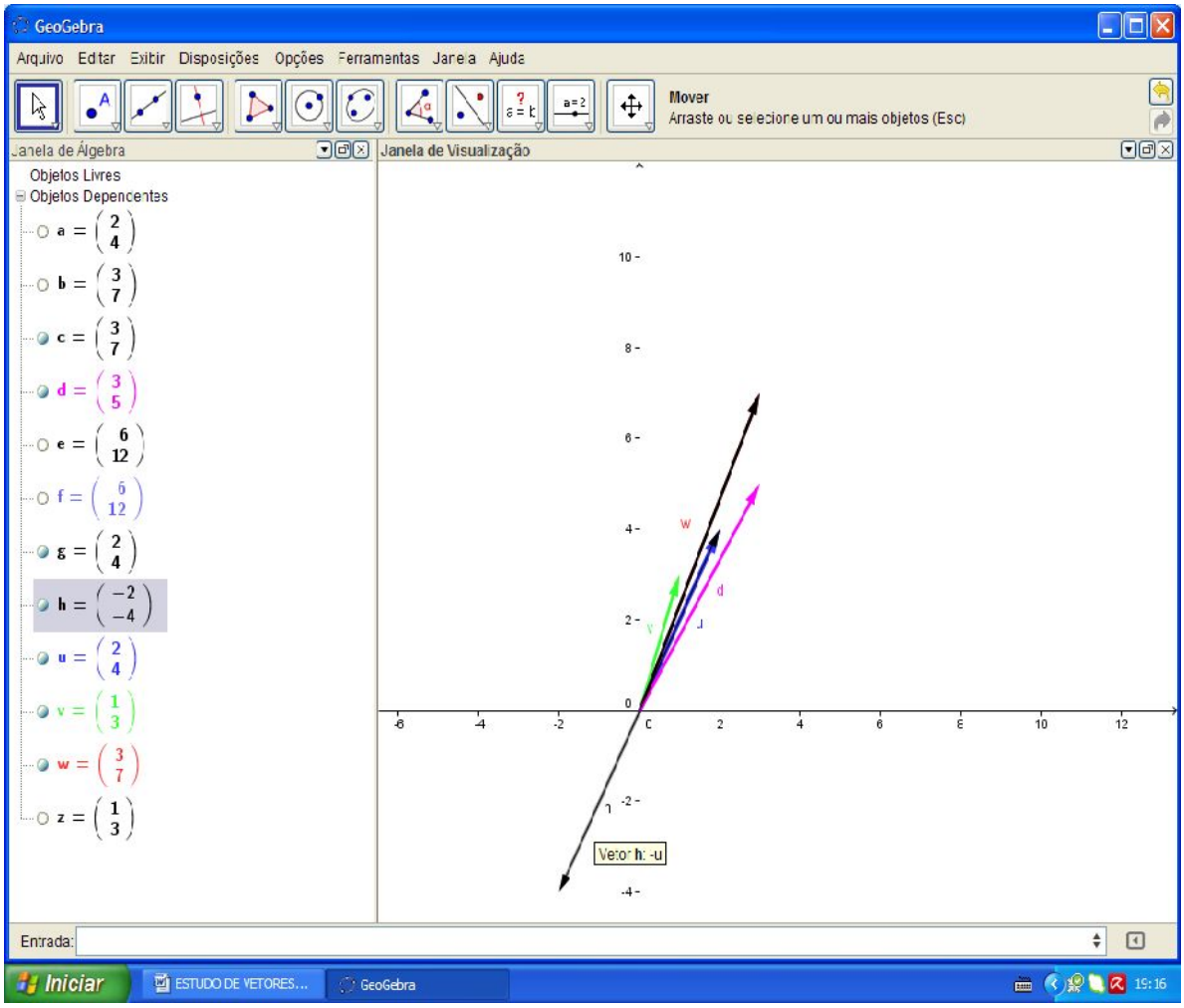
Seja vetor[(0,0)] +u temos:



Faça u+ vetor[(0,0)] como exercício.

ISBN N° 978-85-8196-090-6

iv) Qualquer que seja u temos apenas um vetor –u (ou seja oposto de u).



ISBN N° 978-85-8196-090-6