

Quart tour

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In [ ]: from PIL import Image
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In [ ]: def partage_quart(image):  
    n = image.width  
    if n > 1:  
        q1 = image.crop((0,0,n//2,n//2))  
        q2 = image.crop((n//2,0,n,n//2))  
        q3 = image.crop((0,n//2,n//2,n))  
        q4 = image.crop((n//2,n//2,n,n))  
        return q1,q2,q3,q4
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In [ ]: img_test = Image.open("image1.jpg")
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In [ ]:
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In [ ]: def quart_tour(image):  
    n = image.width  
    # Partage de l'image en quatre quarts  
    if n>1:  
        q1,q2,q3,q4 = partage_quart(image)  
        # Rotation de chacun des quarts  
        rq1 = quart_tour(q1)  
        rq2 = quart_tour(q2)  
        rq3 = quart_tour(q3)  
        rq4 = quart_tour(q4)  
        # Reconstruction de l'image  
        resultat = Image.new('RGB',image.size)  
        resultat.paste(rq2,(0,0))  
        resultat.paste(rq4,(n//2,0))  
        resultat.paste(rq1,(0,n//2))  
        resultat.paste(rq3,(n//2,n//2))  
        return resultat  
    else:  
        return image
```

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In [ ]: im1=quart_tour(img_test)
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In [ ]: im1.show()
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