

Import libraries such as:

(And any other libraries required for this task)

```
## The new contour would be the partition with the minimum max flow.
```

```
    if partition1 > partition2:  
        G_cont_new = partition2  
    else:  
        G_cont_new = partition1
```

```
## Compare the G_cont_initial and G_cont_new.
```

```
    if (G_cont_initial similar to G_cont_new):  
        flag = 0
```

```
## The while loop keeps repeating until fla = 0
```

```
## Return the segmented image file
```

```
return Img_segmented
```