## Comparison of Masked RCNN with Resnet101 backbone with Mobilenet backbone

The implementation of Masked RCNN with Resnet101 shows exceptionally good performance in image segmentation as compared to Mobilenet implementation in MRCNN which can be because of the inadequate training of the Mobilenet backbone system.

However, a Mobilenet shows an improvement in time for detection which can be shown by the following snippets from the detection times

## Masked RCNN with Resnet101 backbone

```
Processing 1 images
image shape: (5578, 3490, 3) min: 0.00000 max: 255.00000 uint8
molded_images shape: (1, 1024, 1024, 3) min: -123.70000 max: 151.10000 float64
image_metas shape: (1, 14) min: 0.00000 max: 5578.00000 float64
anchors shape: (1, 261888, 4) min: -0.17695 max: 1.11439 float32
elapsed time for detection: 1.034863s
```

## Masked RCNN with Mobilenet backbone

```
Processing 1 images
image shape: (2106, 2985, 3) min: 0.00000 max: 255.00000 uint8
molded_images shape: (1, 1024, 1024, 3) min: -123.70000 max: 148.10000 float64
image_metas shape: (1, 14) min: 0.00000 max: 2985.00000 float64
anchors shape: (1, 261888, 4) min: -0.17695 max: 1.11439 float32
elapsed time for detection: 0.483558s
```