dolphin

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[1]: import cv2
     import numpy as np
     import seam_carving
     import my_seam_carving
```

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[2]: src = cv2.imread('dolphin.jpg')
     src_h, src_w, _ = src.shape

     mask = None
     my_seam_carving.record = True
     my_seam_carving.HoG = True
     %time dst = my_seam_carving.resize(src, (src_w / 2, src_h),␣
      ↪energy_mode='backward', order='width-first', keep_mask=mask)
     cv2.imwrite('dolphin_seam_carving.jpg', dst)
     src[my_seam_carving.seam_records > 0] = [0, 0, 255]
     cv2.imwrite('dolpin_seam_carving_records.jpg', src)
```

```
Wall time: 22.4 s
```

[2]: True

```
[3]: src = cv2.imread('dolphin.jpg')
     src_h, src_w, _ = src.shape

     %time dst = my_seam_carving.resize_as_record(src, (src_w / 2, src_h))
     cv2.imwrite('dolphin_seam_carving_as_records.jpg', dst)
```

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Wall time: 8.02 ms
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[3]: True