

1,2,2

```
array([[ 2,  3,  4],
       [ 7,  8,  9],
       [12, 13, 14]])
```

```
array([[1, 1, 1],
       [2, 2, 2],
       [3, 3, 3]])
```

$$(2-1)^2+(3-1)^2+(4-1)^2+(7-2)^2+(8-2)^2+(9-2)^2+(12-3)^2+(13-3)^2+(14-3)^2 = 426$$

1,2,3

Exactly the same

$$=426$$

2,3,0

```
array([[ 8,  9, 10],
       [13, 14, 15],
       [18, 19, 20]])
```

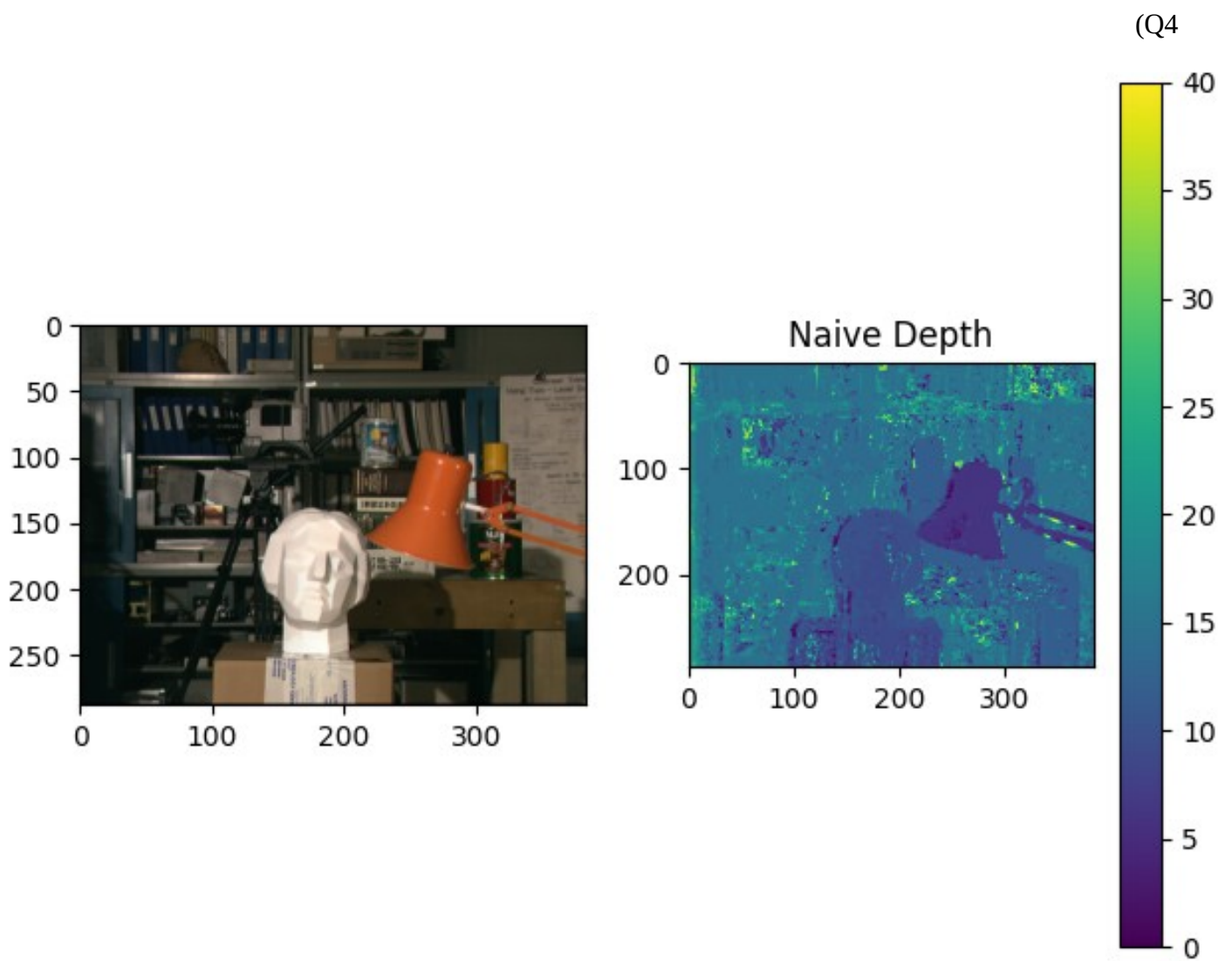
```
array([[2, 2, 2],
       [3, 3, 3],
       [4, 4, 4]])
```

$$(8-2)^2+(9-2)^2+(10-2)^2+(13-3)^2+(14-3)^2+(15-3)^2+(18-4)^2+(19-4)^2+(20-4)^2=1191$$

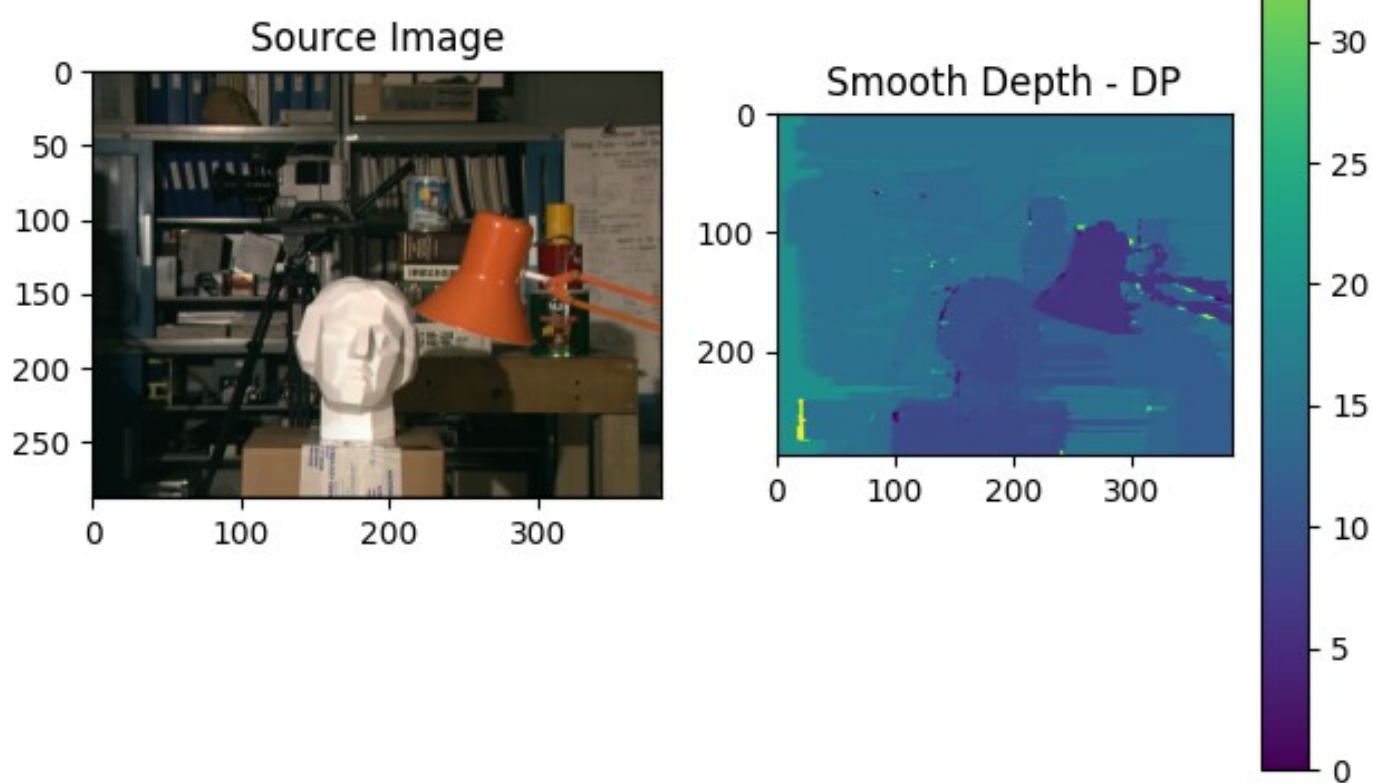
2,3,1

Exactly the same

$$=1191$$

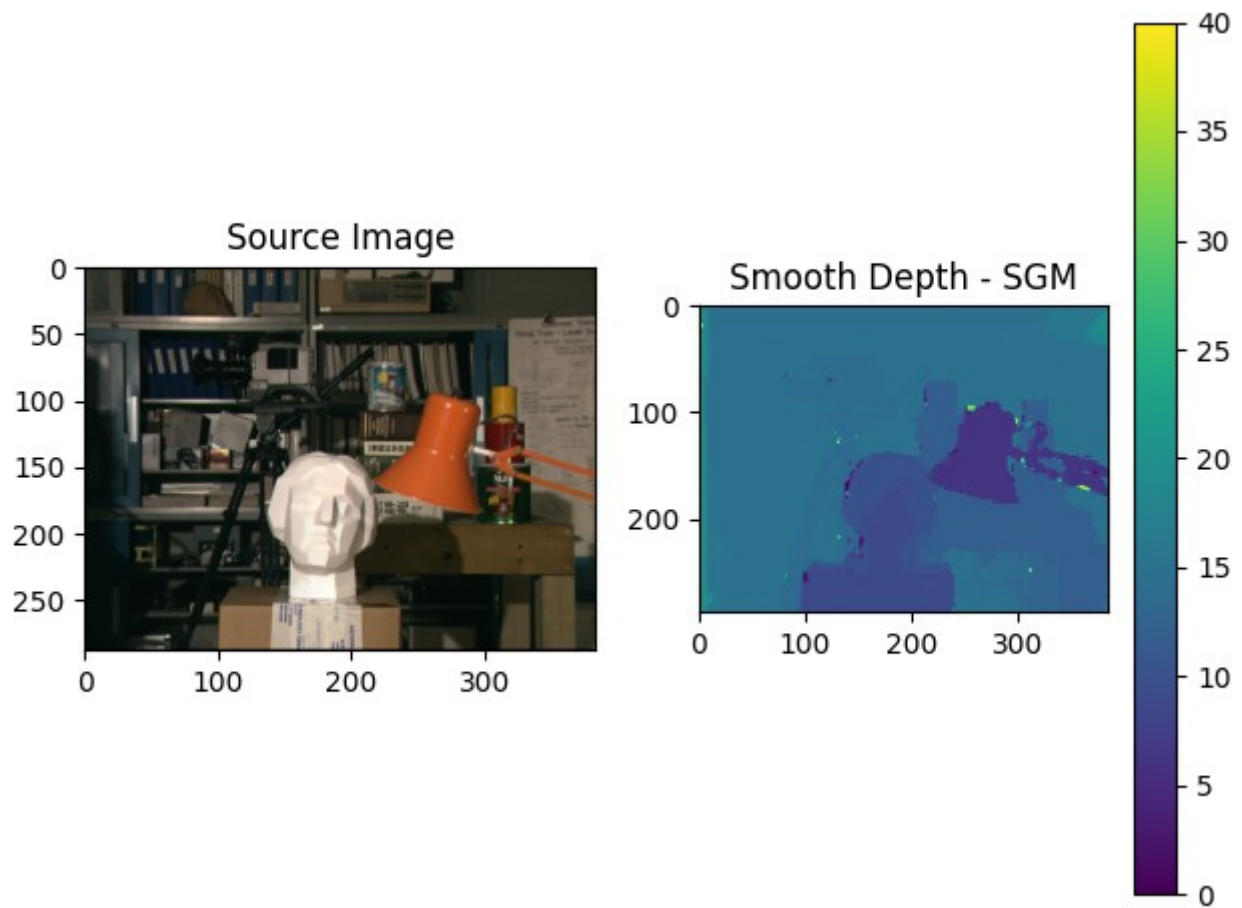


- We might notice that some different object are “mixed” into same region of depth because their sliding window is monotone (The white board example in class)
- We might notice that there is some noise of high depth across the image, this is because there could be several local minima because of noise.



- Clearly a lot of the noisy points were smoothed by the algorithm

(Q11



- We received even smoother image, the single direction DP image was smeared to the right in several locations in the image while this one has more defined edges

