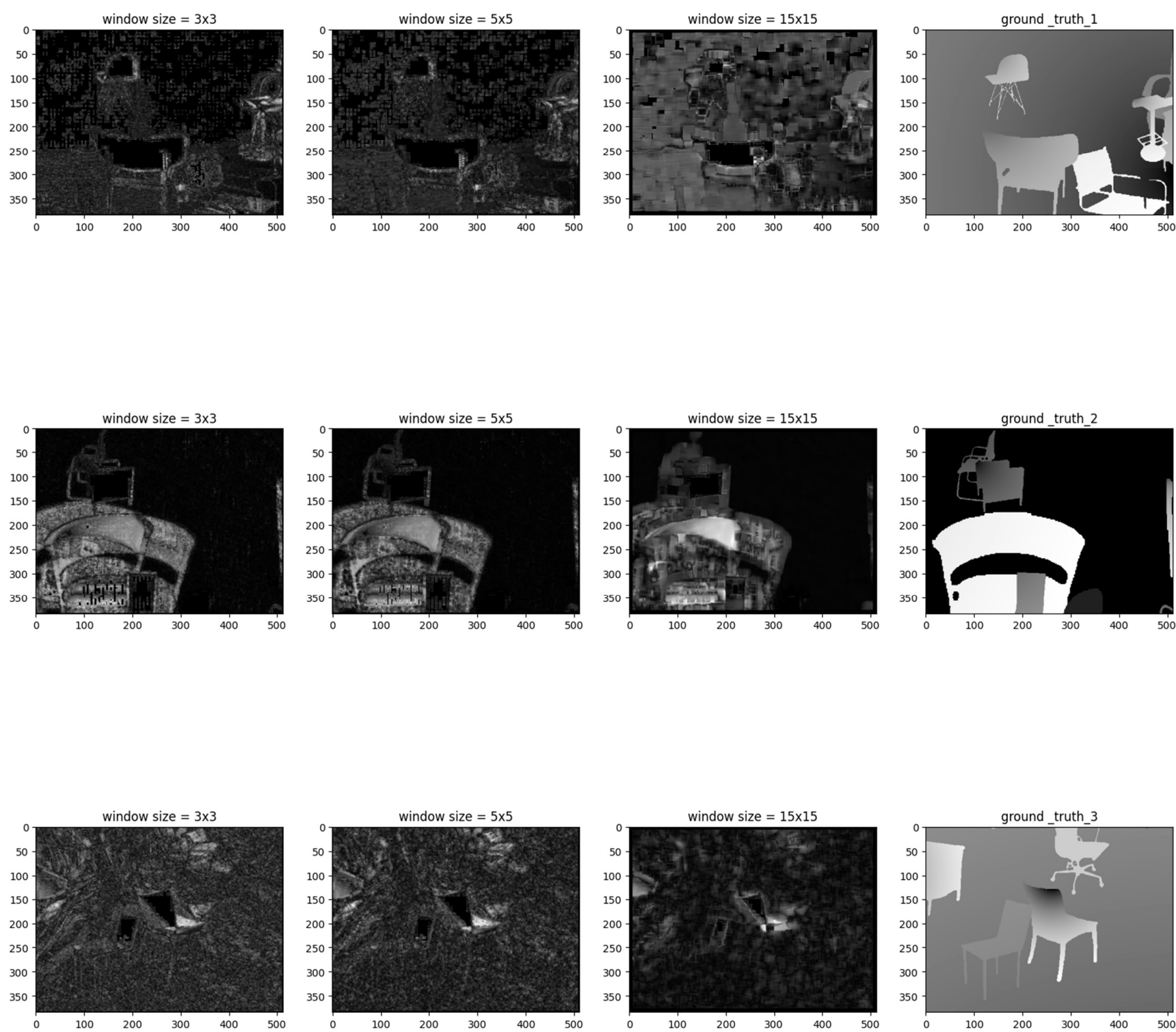


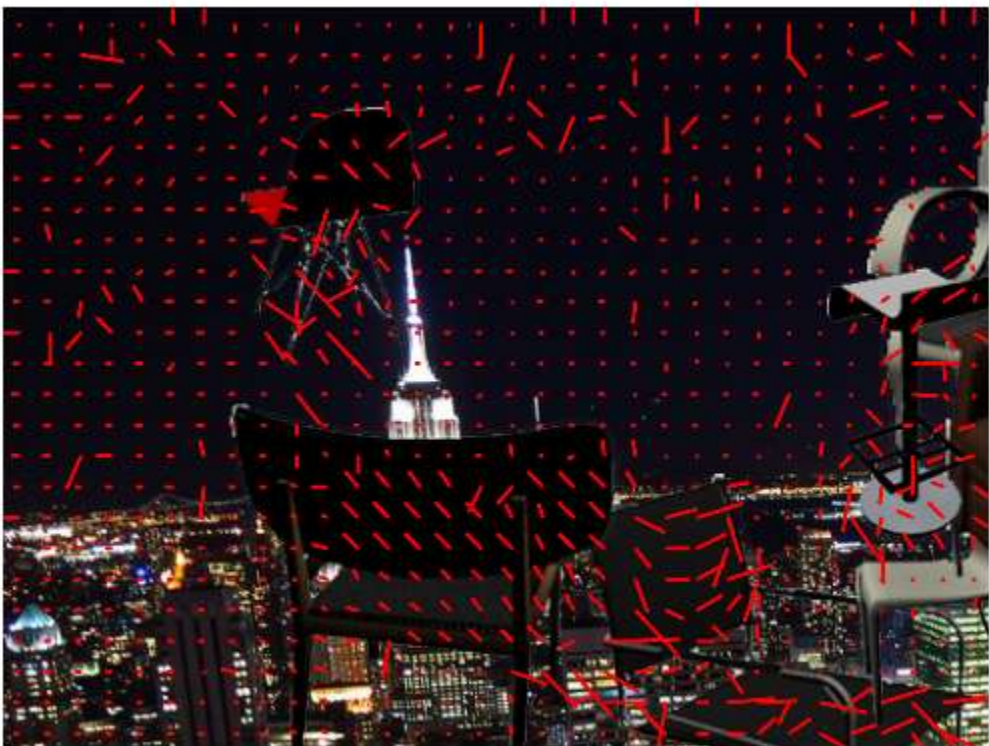
# Results for part 1:

```
For image_0:  
Mean squared error for window size 3x3: 4.179466247558594  
Mean squared error for window size 5x5: 4.205702304840088  
Mean squared error for window size 15x15: 4.222719669342041  
For image_1:  
Mean squared error for window size 3x3: 15.950691223144531  
Mean squared error for window size 5x5: 15.999549865722656  
Mean squared error for window size 15x15: 16.097078323364258  
For image_2:  
Mean squared error for window size 3x3: 27.937044143676758  
Mean squared error for window size 5x5: 28.033048629760742  
Mean squared error for window size 15x15: 28.133102416992188
```



Results part2:

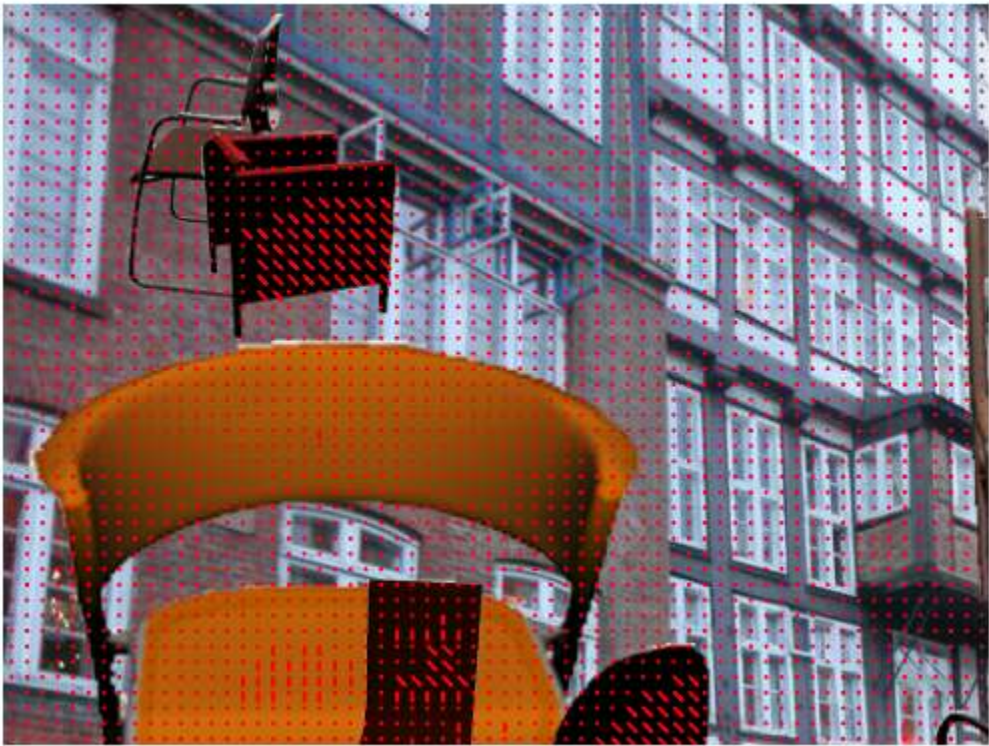
Exhaustive Search -



➡ Mean Squared error for image 0: 3.732705458031844  
Mean Squared error for image 1: 16.215911881248715  
Mean Squared error for image 2: 28.16861352224053



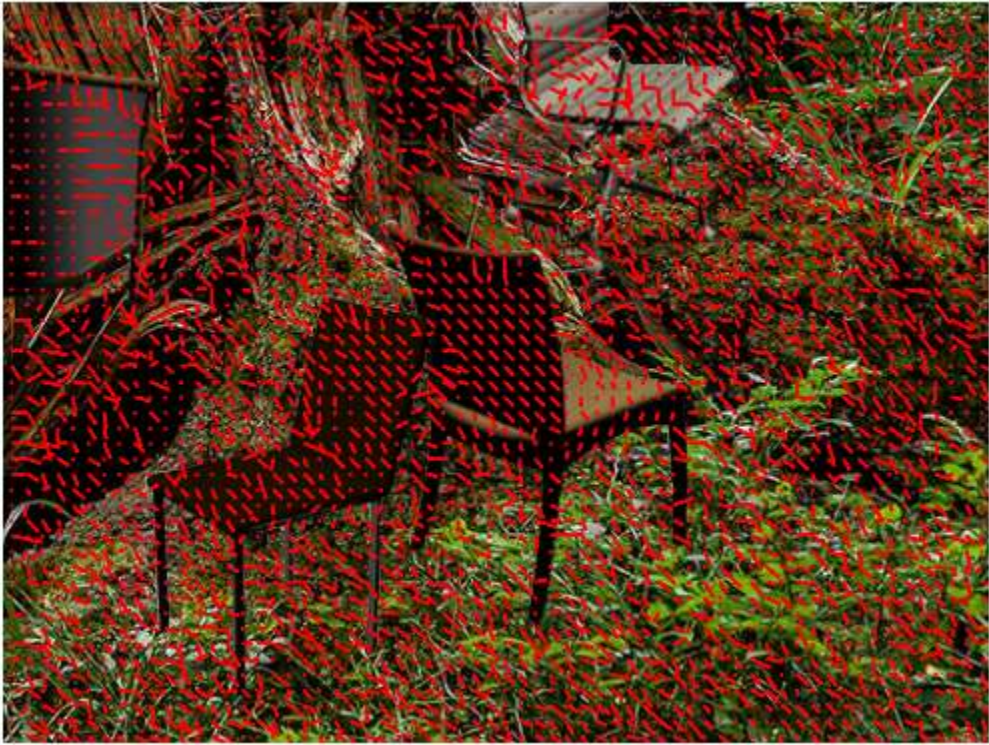
Three Step Search -



Mean Squared error for image 0: 3.803983165704775  
Mean Squared error for image 1: 16.495196104224757  
Mean Squared error for image 2: 27.212247744950847



Diamond Search -



➡ Mean Squared error for image 0: 4.222853527410165  
Mean Squared error for image 1: 16.18079998588487  
Mean Squared error for image 2: 27.952862638751828