

The main function is : culcH_main

```
[ H_min ] = culcH_main( A,B,focal_length,pixelSize,imgSize,image_points )
```

The inputs are:

From OSM: **A,B** length of the building footprint look at the image, for testing you can put them as
 $a=14.48, b=10.43$

From the Exif : **focal length** in meter 0.0042

From the exif/table : **pixel size** in meter $1.4e-6$

From the Exif : **image_size** in pixels [Width,Hight] $[3024,4032]$

From the user : **image points** 2x6 matrix , the corners of the building

$$\begin{bmatrix} x1 & x2 & x3 & x4 & x5 & x6 \\ y1 & y2 & y3 & y4 & y5 & y6 \end{bmatrix}$$

for the testing :

429	1513	2401	523	1499	2299
2772	2840	2794	1245	587	1059



The output : the building height in meters , the answer for the testing should be 15.5