|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **lvl\_0** | **lvl\_0 + lvl\_1** | **lvl\_0 + lvl\_2** | **Lvl\_0 + lvl\_1 + lvl\_2** |
| **300\_10** | 70.39 % | 71.12 % | 71.22 % | 71.49 % |
| **300\_20** | 70.62 % | 70.99 % | 71.36 % | 71.83 % |

lvl\_0: is using whole image

lvl\_1: divide into 4 quadrants (2x2)

lvl\_2: divide into 16 quadrants (4x4)

While using 300\_10 I used **C\_value=90** for lvl\_0, **C\_value=140** for lvl\_1.

While using 300\_20 I used **C\_value=100** for lvl\_0, **C\_value=140** for lvl\_1.

For lvl\_2 I added 20 to initial C\_value for each quadrant. For example in case 300\_20, for quadrant 0 it is 120 for quadrant 1 it is 140 etc. Quadrant indexing starts from top left corner to bottom right corner.

**lvl\_0 + lvl\_1**

Here we use all 4 quadrants + one whole image and counted votes from their responses. Than, if vote count is greater than 2 that I accept response otherwise I use the response of lvl\_0 classification.

**lvl\_0 + lvl\_2**

Here we use all 16 quadrants + one whole image and counted votes from their responses. Than, if vote count is greater than 6 that I accept response otherwise I use the response of lvl\_0 classification.

**lvl\_0 + lvl\_1 +lvl\_2**

Here we use all 16 quadrants from lvl\_2 + 4 quadrants from lvl\_1 + one whole image and counted votes from their responses. Than, if vote count is greater than 7 that I accept response otherwise I use the response of lvl\_0 + lvl\_1 and count votes again, if it is more than 2 we accep given classification otherwise we use classification. From lvl\_0.