

Question

- a) Define the moments of order i, j of the function $f(x, y)$

Question

b) Determine numerically the moment of order (1,0) for the 2 images below:

	0	1	2	3	4	5	6	7	8
0				3					
1		1	1	1	1	1			
2				2					
3			1	1	1				
4				2					
5									

	0	1	2	3	4	5	6	7	8
0							3		
1					1	1	1	1	1
2							2		
3						1	1	1	
4							2		
5									

Question

- c) If your solution in b) is correct, you can see that you get different values although the object in the two images is one and the same.

Suggest a modified version of the moments that in this case will give the same numerical value for the moment of order $(2,0)$ and determine this value