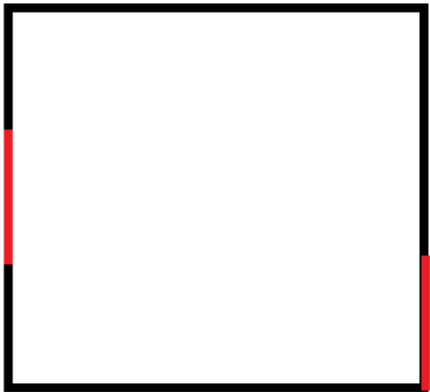







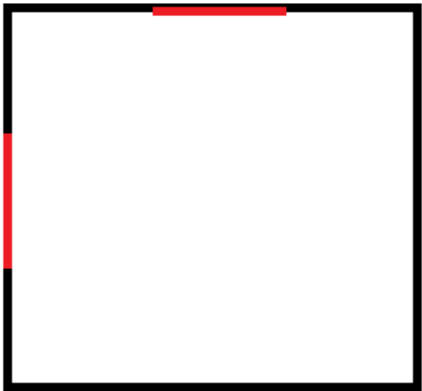












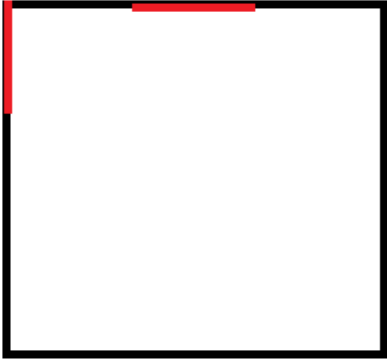
Find numerical solution of two-dimensional Laplace equation using Jacobi, Seidel and over relaxation methods





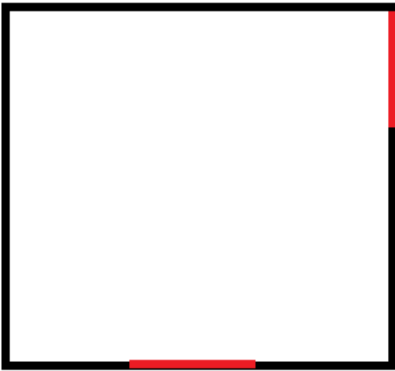

$$\frac{\partial^2 P}{\partial x^2} + \frac{\partial^2 P}{\partial y^2} = 0$$

with the following boundary conditions:

1		2	
3		4	
5		6	

7		8	
9		10	
11		12	
13		14	

15		16	
17		18	
19		20	

21		22	
23		24	
25		26	

27



28



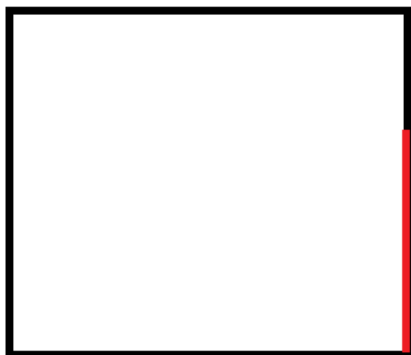
29



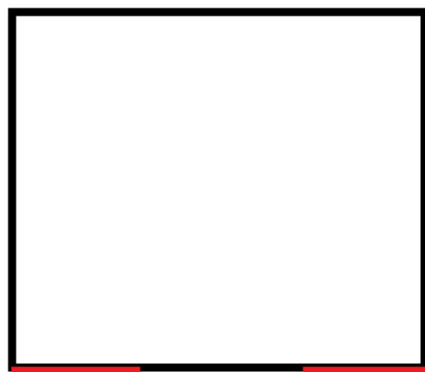
30





31



32



33		34	
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Draw the graphs and compare the numbers of iterations.