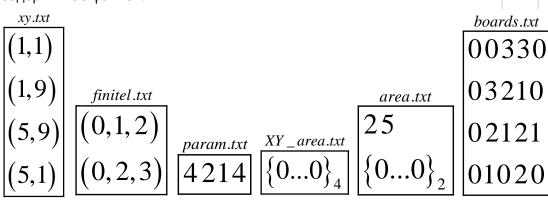
$$\begin{bmatrix} \mu(x,y) = 10x + 10y \\ f(x,y) = 20x + 20y \\ \lambda = 4 \\ \gamma = 2 \\ \beta = 5 \\ \Omega^n, n = 1 \end{bmatrix}$$

Краевые условия на границах:

$$\begin{bmatrix} R_{03} = III_0 \\ R_{32} = I_0 \\ R_{21} = II_1 \\ R_{10} = II_0 \end{bmatrix} - > \begin{cases} I_0 = 50 + 10y \\ II_0 = -40 \\ II_1 = 40 \\ III_0 = 10x + 2 \end{cases}$$

Содержимое файлов:



Табличка с решением:

X,	X	X` - X	X` - X	ļ
20	19,9999999999986	1,421E-014	<u> </u>	
100 140	100,00000000000006 139,9999999999997	5,684E-014 2,842E-014	 6,512E-014	
60	60	0,000E+000		

y axis

 Ω_1

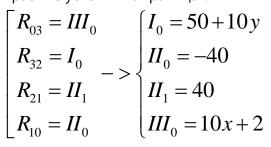
 Ω_2

 S_3

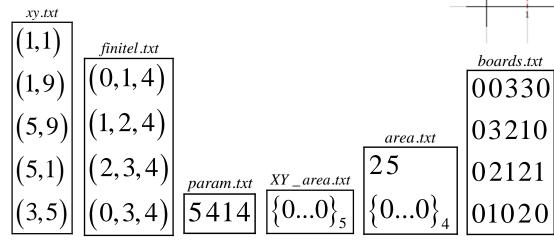
x axis

$$\begin{bmatrix} \mu(x, y) = 10x + 10y \\ f(x, y) = 20x + 20y \\ \lambda = 4 \\ \gamma = 2 \\ \beta = 5 \\ \Omega^n, n = 1 \end{bmatrix}$$

Краевые условия на границах:



Содержимое файлов:



Табличка с решением:

X`	X	x` - x	X` - X	
20	19,9999999999999	3,553E-015	l	- 1
100	100,00000000000001	1,421E-014		
140	140	0,000E+000	2,041E-014	
60	60	0,000E+000		
80	79,999999999999	1,421E-014		

y axis

 2

3

x axis

 Ω_2

 Ω_4

 S_3

 Ω_1

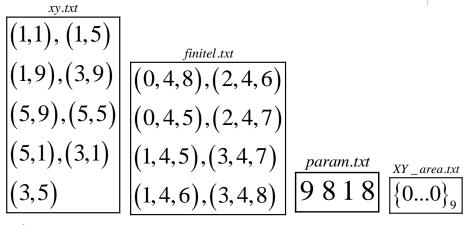
 Ω_3

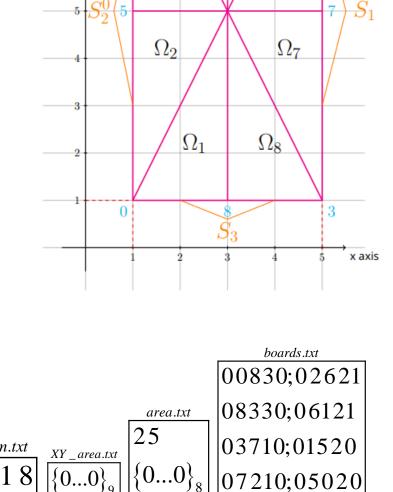
$$\begin{bmatrix} \mu(x, y) = 10x + 10y \\ f(x, y) = 20x + 20y \\ \lambda = 4 \\ \gamma = 2 \\ \beta = 5 \\ \Omega^n, n = 1 \end{bmatrix}$$

Краевые условия на границах:

$$\begin{bmatrix} R_{08} = III_0 \\ R_{83} = III_0 \\ R_{37} = I_0 \\ R_{72} = I_0 \\ R_{26} = II_1 \\ R_{61} = II_1 \\ R_{15} = II_0 \\ R_{50} = II_0 \\ \end{bmatrix} - > \begin{cases} I_0 = 50 + 10y \\ II_0 = -40 \\ III_1 = 40 \\ III_0 = 10x + 2 \end{cases}$$

Содержимое файлов:





 Ω_4

 Ω_3

 2

 Ω_5

 Ω_6

Табличка с решением:

X`	X	x` - x	X` - X
20	20	0,000E+000	
100	100	0,000E+000	
140	140,00000000000003	2,842E-014	
60	60	0,000E+000	
80	80,00000000000003	2,842E-014	4,263E-014
60	60,000000000000014	1,421E-014	
120	120	0,000E+000	
100	100	0,000E+000	
40	40	0,000E+000	

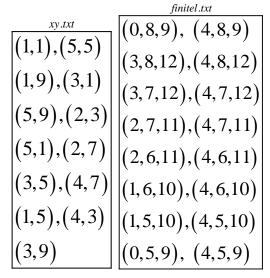
y axis

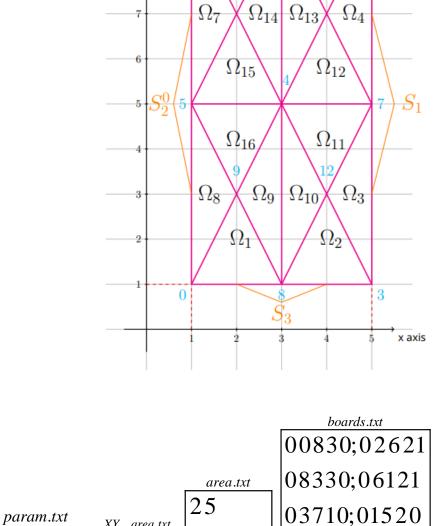
$$\begin{cases}
\mu(x, y) = 10x + 10y \\
f(x, y) = 20x + 20y \\
\lambda = 4 \\
\gamma = 2 \\
\beta = 5 \\
\Omega^n, n = 1
\end{cases}$$

Краевые условия на границах:

$$\begin{bmatrix} R_{08} = III_0 \\ R_{83} = III_0 \\ R_{37} = I_0 \\ R_{72} = I_0 \\ R_{26} = II_1 \\ R_{61} = II_1 \\ R_{15} = II_0 \\ R_{50} = II_0 \end{bmatrix} = \begin{bmatrix} I_0 = 50 + 10y \\ II_0 = -40 \\ III_1 = 40 \\ IIII_0 = 10x + 2 \end{bmatrix}$$

Содержимое файлов:





 Ω_6

 Ω_5

07210;05020

y axis

Табличка с решением:

Χ`	X	x` - x	X` - X	
 20	19,99999999999996	3,553E-015	 	
100	99,999999999997	2,842E-014		
140	140	0,000E+000	Ī	
60	60,000000000000014	1,421E-014		
80	79,999999999999	1,421E-014		
60	59,999999999998	2,132E-014		
120	120,000000000000001	1,421E-014	7,079E-014	
100	100	0,000E+000		
40	39,9999999999999	7,105E-015		
50	49,999999999999	2,132E-014		
90	89,99999999999	4,263E-014		
110	110	0,000E+000		
70	69,999999999997	2,842E-014		

XY _ area.txt

$$\begin{bmatrix} \mu(x,y) = \begin{cases} y^2, & (x,y) \in \Omega^0 \\ 20y - 19, & (x,y) \in \Omega^1 \end{cases}$$

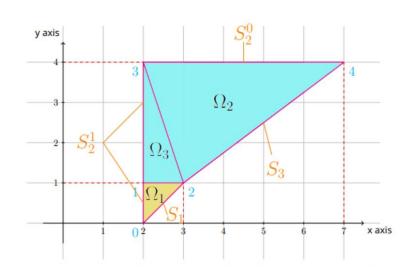
$$f(x,y) = \begin{cases} -20, & (x,y) \in \Omega^0 \\ 0, & (x,y) \in \Omega^1 \end{cases}$$

$$\lambda = \begin{cases} 10, & (x,y) \in \Omega^0 \\ 1, & (x,y) \in \Omega^1 \end{cases}$$

$$\gamma = 0$$

$$\beta = 2$$

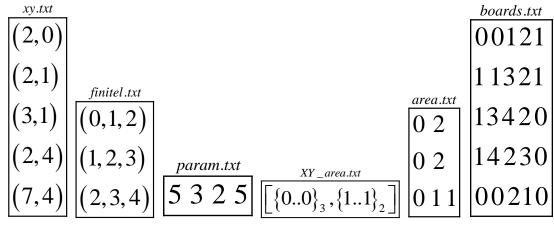
$$\Omega^n, n = 2$$



Краевые условия на границах:

$$\begin{bmatrix} R_{01} = II_1 \\ R_{13} = II_1 \\ R_{34} = II_0 \\ R_{42} = III_0 \\ R_{20} = I_0 \end{bmatrix} = \begin{bmatrix} I_0 = y^2 \\ II_0 = 20 \\ II_1 = 0 \\ III_0 = 20y - 27 \end{bmatrix}$$

Содержимое файлов:



X`	X	x` - x	x^ - x
	0	0,000E+000	·
1	1,1335811106252733	1,336E-001	i i
1	0,99999999999999	1,110E-016	6,636E-001
61	60,350677743769126	6,493E-001	
61	60,9704853519895	2,951E-002	
61	60,9704853519895 	2,951E-002 	

$$\begin{bmatrix} \mu(x,y) = x + 6y - 2 \\ f(x,y) = \begin{cases} 5x + 30y - 10, (x,y) \in \Omega^1 \\ 0, (x,y) \in \Omega^2 \end{cases}$$

$$\lambda = 1$$

$$\gamma = \begin{cases} 5, (x,y) \in \Omega^1 \\ 0, (x,y) \in \Omega^2 \end{cases}$$

$$\beta = 10$$

$$\Omega^n, n = 2$$

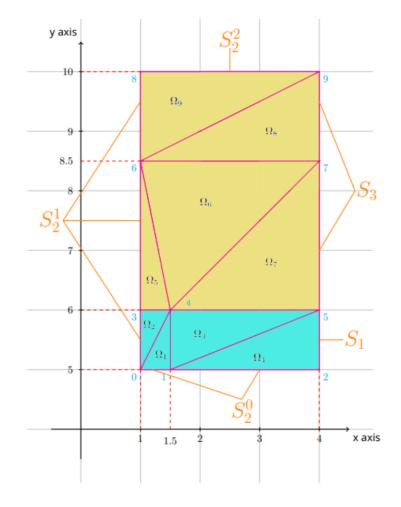
Краевые условия на границах:

$$\begin{bmatrix} R_{01} = II_0 \\ R_{12} = II_0 \\ R_{25} = I_0 \\ R_{57} = III_0 \\ R_{79} = III_0 -> \begin{cases} I_0 = 6y + 2 \\ II_0 = -6 \\ II_1 = -1 \\ II_2 = 6 \\ III_0 = 6y + 2.1 \end{cases}$$

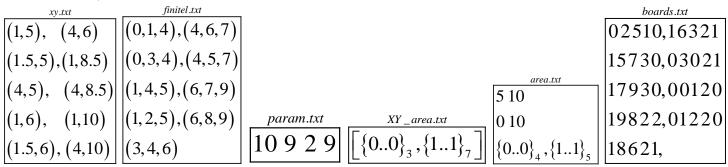
$$R_{86} = II_1$$

$$R_{63} = II_1$$

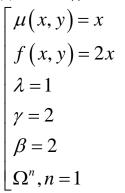
$$R_{30} = II_1$$

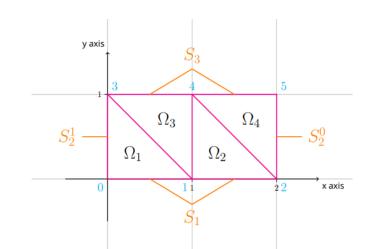


Содержимое файлов:



X,	x	X, - X	x` - x
29		 3,553E-015	
29,5	29,4999999999993	7,105E-015	
32	32,000000000000014	1,421E-014	
35	34,999999999999	7,105E-015	
35,5	35,50000000000001	7,105E-015	
38	38	0,000E+000	2,161E-014
50	50	0,000E+000	
53	53	0,000E+000	
59	58,999999999999	7,105E-015	
62	61,9999999999999	7,105E-015	l l
	101,333333333333		

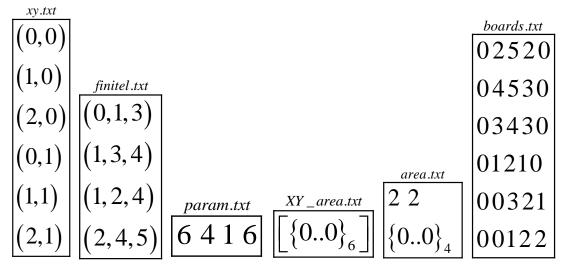




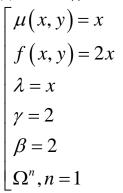
Краевые условия на границах:

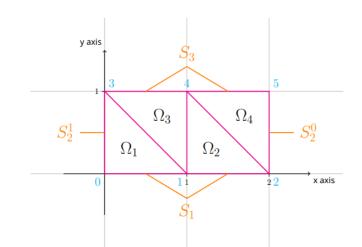
$$\begin{bmatrix} R_{01} = I_0 \\ R_{12} = I_0 \\ R_{25} = II_0 \\ R_{54} = III_0 \\ R_{43} = III_0 \\ R_{30} = II_1 \end{bmatrix} - > \begin{cases} I_0 = x \\ II_0 = 1 \\ II_1 = -1 \\ III_0 = x \end{cases}$$

Содержимое файлов:



X`	X	x` - x	x, - x
0	1,8312852319637973E-18	 1,831E-018	
1	1,0000000000000000	2,220E-016	
2	2,00000000000000004	4,441E-016	
0	-4,324103195733203E-18	4,324E-018	6,662E-016
1	1	0,000E+000	I
2	1,99999999999999	4,441E-016	T I

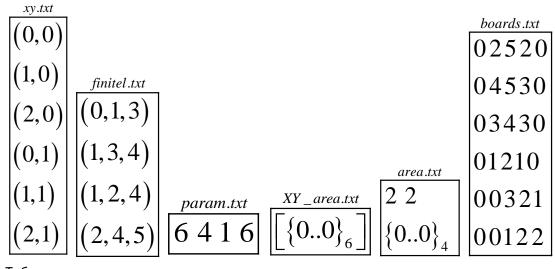




Краевые условия на границах:

$$\begin{bmatrix} R_{01} = I_0 \\ R_{12} = I_0 \\ R_{25} = II_0 \\ R_{54} = III_0 \\ R_{43} = III_0 \\ R_{30} = II_1 \end{bmatrix} \rightarrow \begin{cases} I_0 = x \\ II_0 = x \\ II_1 = -x \\ III_0 = x \\ III_0 = x \end{cases}$$

Содержимое файлов:



X`	X	x` - x	X` - X	
 0 1 2 0 1	0,3726235741444867 0,999999999999999999999999999999999999	3,726E-001 1,110E-016 2,220E-016 2,357E-001 1,293E-001 8,821E-002	 4,679E-001 	