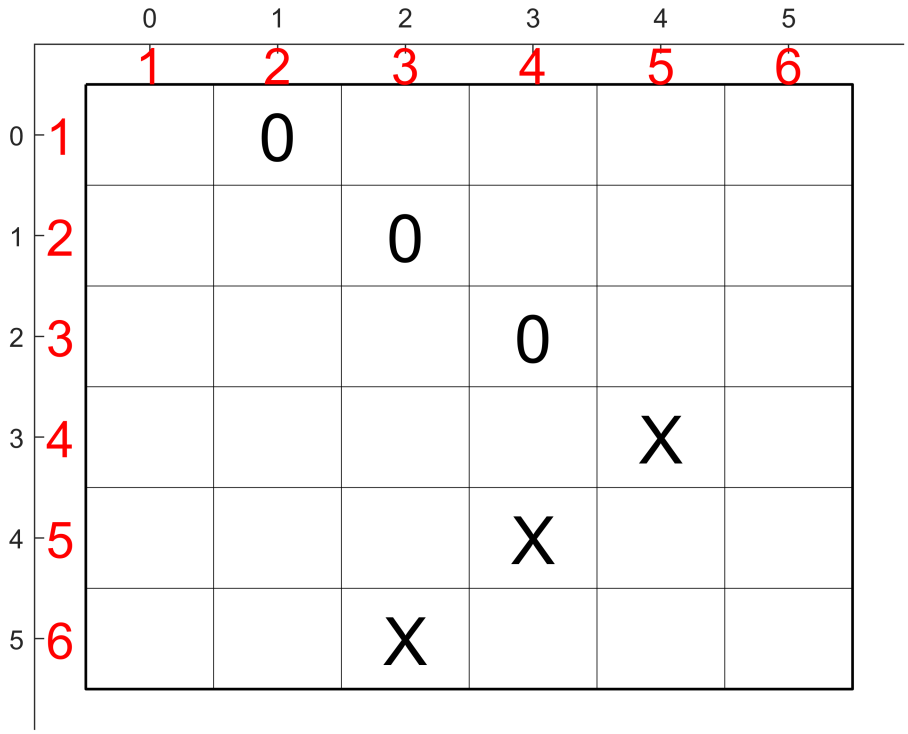
Построение начальной сетки

```
figure(1);clf;
h1 = axes;
set(h1, 'Ydir', 'reverse');
set(h1,'XAxisLocation','top')


axis([0.1 6.9 0.1 6.9]-1);
line([0.5 0.5 6.5 6.5 0.5]-1,[0.5 6.5 6.5 0.5 0.5]-1,'Color','black','LineWidth',1)
line([1.5 1.5]-1,[0.5 6.5]-1,'Color','black','LineWidth',0.3)
line([2.5 2.5]-1,[0.5 6.5]-1,'Color','black','LineWidth',0.3)
line([3.5 3.5]-1,[0.5 6.5]-1,'Color','black','LineWidth',0.3)
line([4.5 4.5]-1,[0.5 6.5]-1,'Color','black','LineWidth',0.3)
line([5.5 5.5]-1,[0.5 6.5]-1,'Color','black','LineWidth',0.3)

line([0.5 6.5]-1,[1.5 1.5]-1,'Color','black','LineWidth',0.3)
line([0.5 6.5]-1,[2.5 2.5]-1,'Color','black','LineWidth',0.3)
line([0.5 6.5]-1,[3.5 3.5]-1,'Color','black','LineWidth',0.3)
line([0.5 6.5]-1,[4.5 4.5]-1,'Color','black','LineWidth',0.3)
line([0.5 6.5]-1,[5.5 5.5]-1,'Color','black','LineWidth',0.3)


text(0.5-1.2,0,'1','Color','red','FontSize',19,'HorizontalAlignment','center')
text(0.5-1.2,1,'2','Color','red','FontSize',19,'HorizontalAlignment','center')
text(0.5-1.2,2,'3','Color','red','FontSize',19,'HorizontalAlignment','center')
text(0.5-1.2,3,'4','Color','red','FontSize',19,'HorizontalAlignment','center')
text(0.5-1.2,4,'5','Color','red','FontSize',19,'HorizontalAlignment','center')
text(0.5-1.2,5,'6','Color','red','FontSize',19,'HorizontalAlignment','center')

text(0,0.5-1.2,'1','Color','red','FontSize',19,'HorizontalAlignment','center')
text(1,0.5-1.2,'2','Color','red','FontSize',19,'HorizontalAlignment','center')
text(2,0.5-1.2,'3','Color','red','FontSize',19,'HorizontalAlignment','center')
text(3,0.5-1.2,'4','Color','red','FontSize',19,'HorizontalAlignment','center')
text(4,0.5-1.2,'5','Color','red','FontSize',19,'HorizontalAlignment','center')
text(5,0.5-1.2,'6','Color','red','FontSize',19,'HorizontalAlignment','center')

hold on
```

Ввод координат для $y = k \cdot x + b$

```
b0=3;           b1=0;
x00=2;          x01=1;
%%%%%%%%%%%%%%%%%%%%%%%%
k0=-1;
x0=[x00 x00+1 x00+2];
y0=k0*x0+b0+x0(1)+2;
text(x0,y0,'X','FontSize',25,'HorizontalAlignment','center')
%%%%%%%%%%%%%%%%%%%%%%%%
k1=1;
x1=[x01 x01+1 x01+2];
y1=k1*x1-x1(1)+b1;
text(x1,y1,'0','FontSize',25,'HorizontalAlignment','center')
```


0 1 2 3 4 5
1 2 3 4 5 6
0 1 2 3 4 5
1 2 3 4 5 6
0
0
0
X
X
X