

```
In[1]:= eq6 = E-x - 2 y[x]
```

```
Out[1]= e-x - 2 y[x]
```

```
In[2]:= DSolve[y' [x] == eq6, y[x], x]
```

```
Out[2]= {{Y[x] → e-x + e-2x C[1]}}
```

```
In[3]:= sol = y[x] /. %2
```

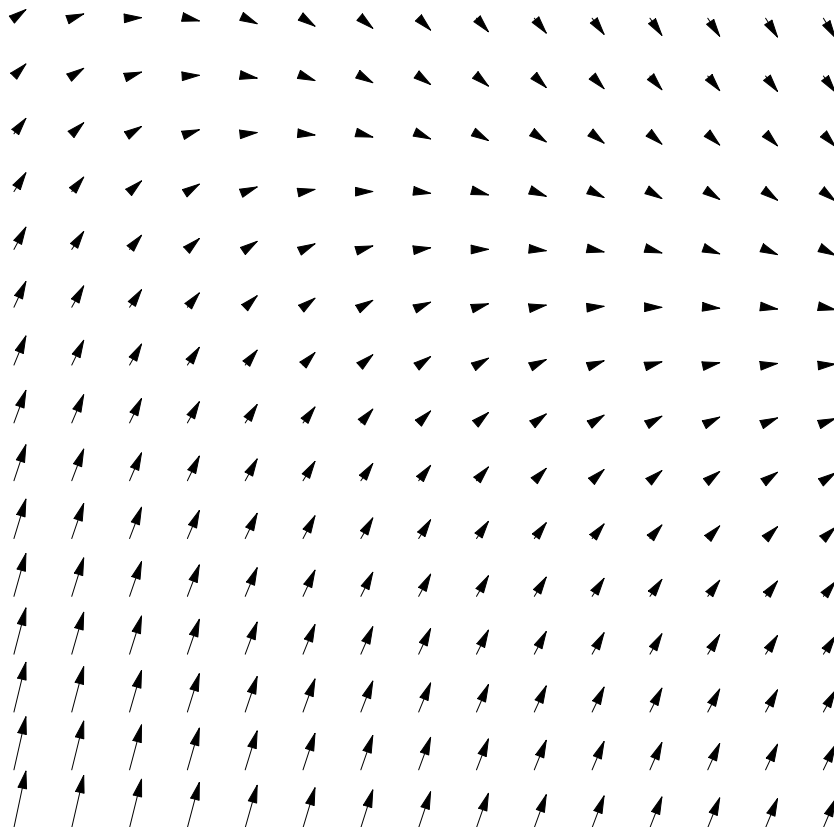
```
Out[3]= {e-x + e-2x C[1]}
```

```
In[4]:= tab = Table[sol /. C[1] → a, {a, -2, 2, 0.5}]
```

```
Out[4]= {{-2 e-2x + e-x}, {-1.5 e-2x + e-x}, {-1. e-2x + e-x}, {-0.5 e-2x + e-x},  
         {0. e-2x + e-x}, {0.5 e-2x + e-x}, {1. e-2x + e-x}, {1.5 e-2x + e-x}, {2. e-2x + e-x}}
```

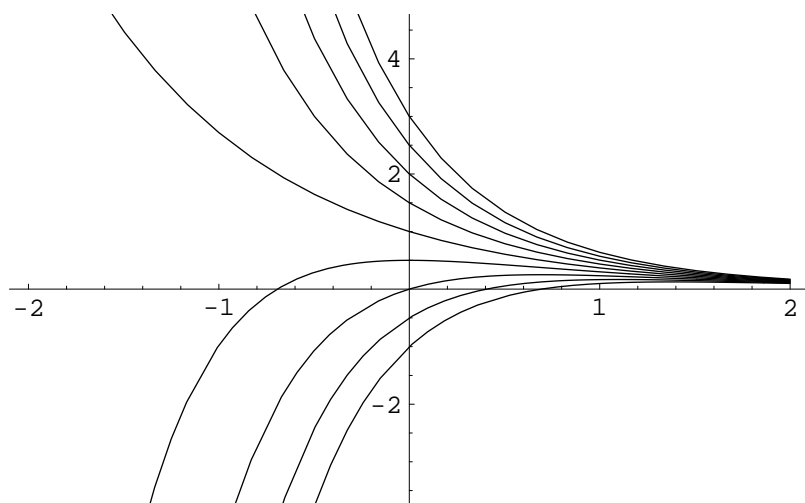
```
In[5]:= << Graphics`PlotField`
```

```
In[6]:= p1 = PlotVectorField[{1, E-x - 2 y}, {x, -1, 1}, {y, -1, 1}]
```



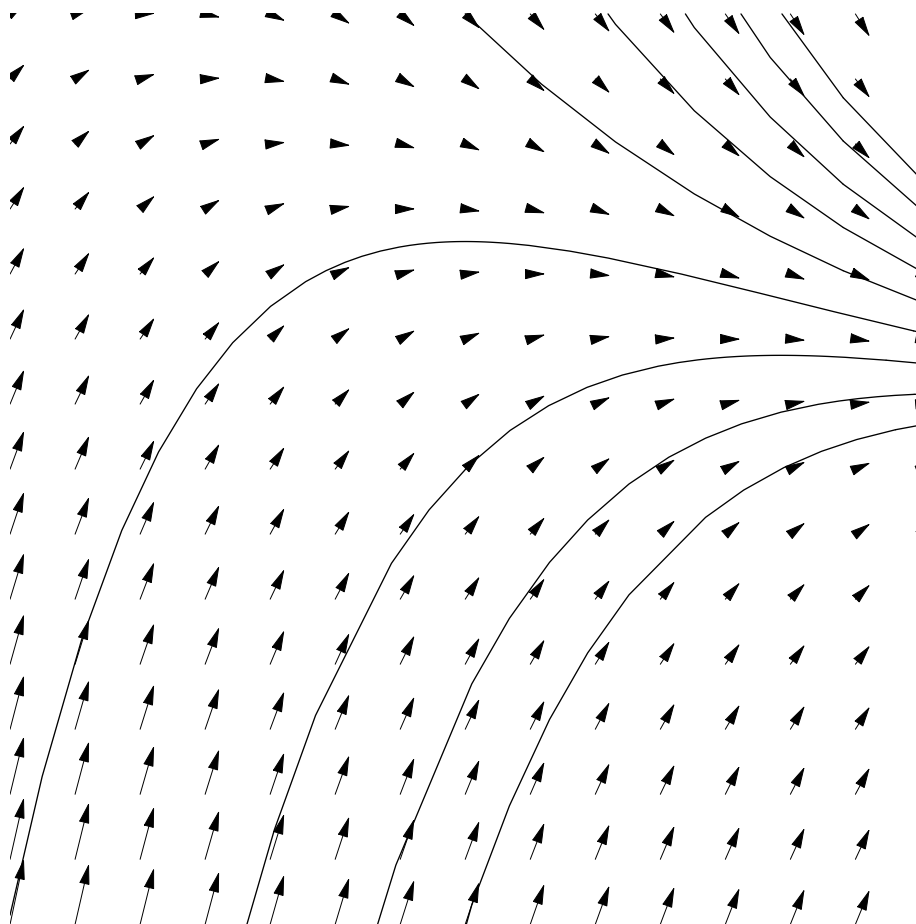
```
Out[6]= - Graphics -
```

```
In[7]:= p2 = Plot[Evaluate[tab], {x, -2, 2}]
```



```
Out[7]= - Graphics -
```

```
In[8]:= Show[p1, p2, PlotRange -> {{-1, 1}, {-1, 1}}]
```



```
Out[8]= - Graphics -
```