```
Eigenvalues[{{ea, λ}, {λ, ea}}]
```

```
{ea - λ, ea + λ}
```

In[5]:=
```
Eigenvalues[{{ea, λ√2, 0}, {λ√2, ea, λ√2}, {0, λ√2, ea}}]
```

Out[5]=
```
{ea, ea - 2 λ, ea + 2 λ}
```

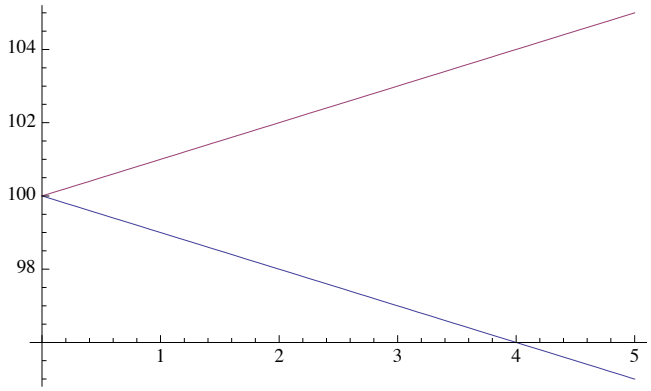
In[6]:=
```
Eigenvalues[{{ea, λ√3, 0, 0}, {λ√3, ea, 2 λ, 0}, {0, 2 λ, ea, λ√3}, {0, 0, λ√3, ea}}]
```

Out[6]=
```
{ea - 3 λ, ea - λ, ea + λ, ea + 3 λ}
```

```
Eigenvalues[{{100, λ}, {λ, 100}}]
```

```
{100 - λ, 100 + λ}
```

```
Plot[{100 - λ, 100 + λ}, {λ, 0, 5}]
```

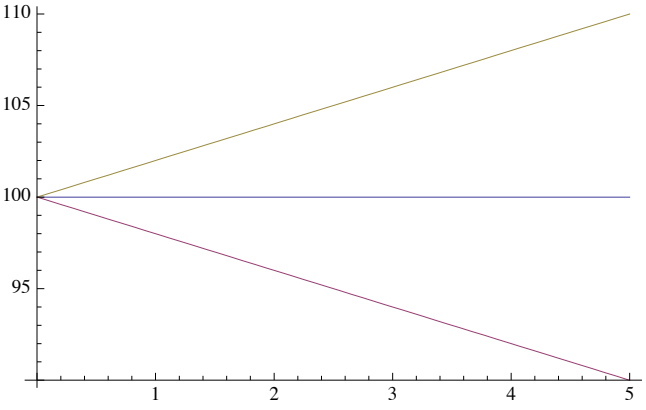


In[1]:=
```
Eigenvalues[{{100, λ√2, 0}, {λ√2, 100, λ√2}, {0, λ√2, 100}}]
```

Out[1]=
```
{100, -2 (-50 + λ), 2 (50 + λ)}
```

In[2]:=
```
Plot[{100, -2 (-50 + λ), 2 (50 + λ)}, {λ, 0, 5}]
```

Out[2]=



In[3]:=
```
Eigenvalues[{{100, λ√3, 0, 0}, {λ√3, 100, 2λ, 0}, {0, 2λ, 100, λ√3}, {0, 0, λ√3, 100}}]
```

Out[3]= $\{100 - 3\lambda, 100 - \lambda, 100 + \lambda, 100 + 3\lambda\}$

In[4]:=
```
Plot[{100 - 3λ, 100 - λ, 100 + λ, 100 + 3λ}, {λ, 0, 5}]
```

Out[4]=