In[1]:=
```
h = 2 * π;
```

In[10]:=
```
energy[nx_, ny_, nz_] := h^2/(8 * m) * (nx/Lx + ny/Ly + nz/Lz);
```

```
Lx = Ly = Lz = 10;
```

```
energy[5, 3, 3]
```

Out[12]=
$$\frac{11\,\pi^2}{20\,m}$$

In[13]:=
```
energy[3, 5, 3]
```

$$\frac{11\,\pi^2}{20\,m}$$

In[14]:=
```
energy[3, 3, 5]
```

$$\frac{11\,\pi^2}{20\,m}$$

```
Lx = Ly = 10; Lz = 12;
```

In[17]:=
```
energy[5, 3, 3]
```

$$\frac{21\,\pi^2}{40\,m}$$

In[18]:=
```
energy[3, 5, 3]
```

Out[18]=
$$\frac{21\,\pi^2}{40\,m}$$

In[20]:=
$$\frac{21\,\pi^2}{40\,m}$$

```
energy[3, 3, 5]
```

Out[20]=
$$\frac{21\,\pi^2}{40\,m}$$

Out[21]= $\frac{61\,\pi^2}{120\,\mathrm{m}}$