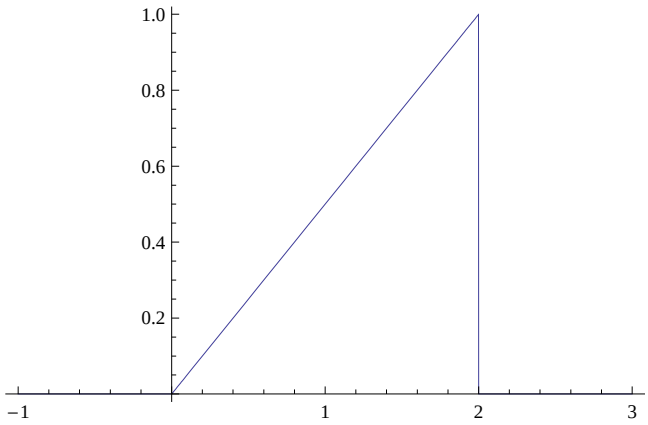
(Local) In[1]:=
```
p1[x_] := If[0 < x < 2, 1/2 x, 0];
```

(Local) In[2]:=
```
Plot[p1[x], {x, -1, 3}]
```

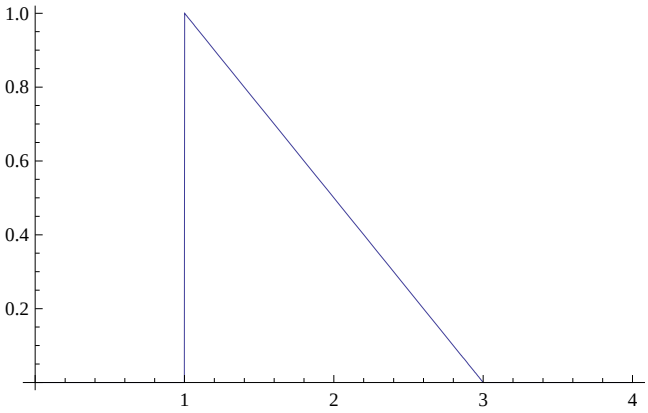
(Local) Out[2]=



(Local) In[3]:=
```
p2[x_] := If[1 < x < 3, 1.5 - 1/2 x, 0];
```

(Local) In[4]:=
```
Plot[p2[x], {x, 0, 4}]
```

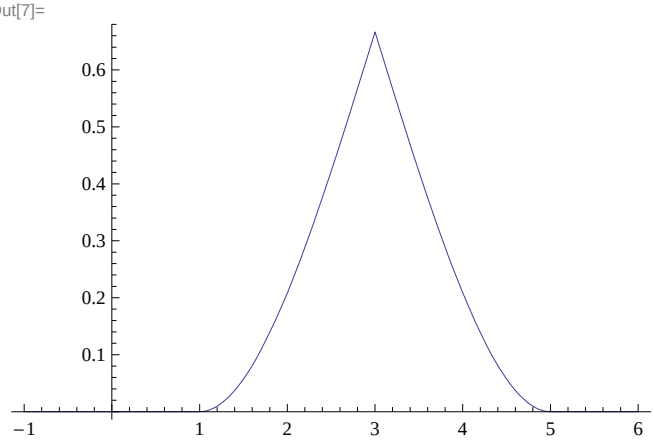
(Local) Out[4]=



(Local) In[5]:=
```
p[s_] := ∫_0^2 p1[t] p2[s - t] dt;
```

(Local) In[7]:=
```
Plot[p[s], {s, -1, 6}]
```

(Local) Out[7]=



(Local) In[8]:=
```
n = 100;
```

(Local) In[12]:=
```
A = 0;
```

(Local) In[13]:=
```
B = 5;
```

(Local) In[14]:=
$$\epsilon = \frac{B - A}{n};$$

(Local) In[16]:=
```
n2 = 100;
```

(Local) In[17]:=
```
a1 = 0;
```

(Local) In[18]:=
```
b1 = 2;
```

(Local) In[19]:=
$$\Delta = \frac{b1 - a1}{n2};$$

(Local) In[23]:=
$$t = \text{Table}\left[1.0\left(a1 + \Delta\left(j - \frac{1}{2}\right)\right), \{j, 1, n2\}\right];$$

(Local) In[32]:=
$$pp[s\_] := \Delta \sum_{j=1}^{n2} p1[t[[j]]]\, p2[s - t[[j]]];$$

(Local) In[34]:=

```
Plot[pp[s], {s, 0, 6}]
```

(Local) Out[34]=