In[1]:=
```
x := {-1, 0, 1, 2}
```

In[2]:=
```
T := {0, 1, 0, 0}
```

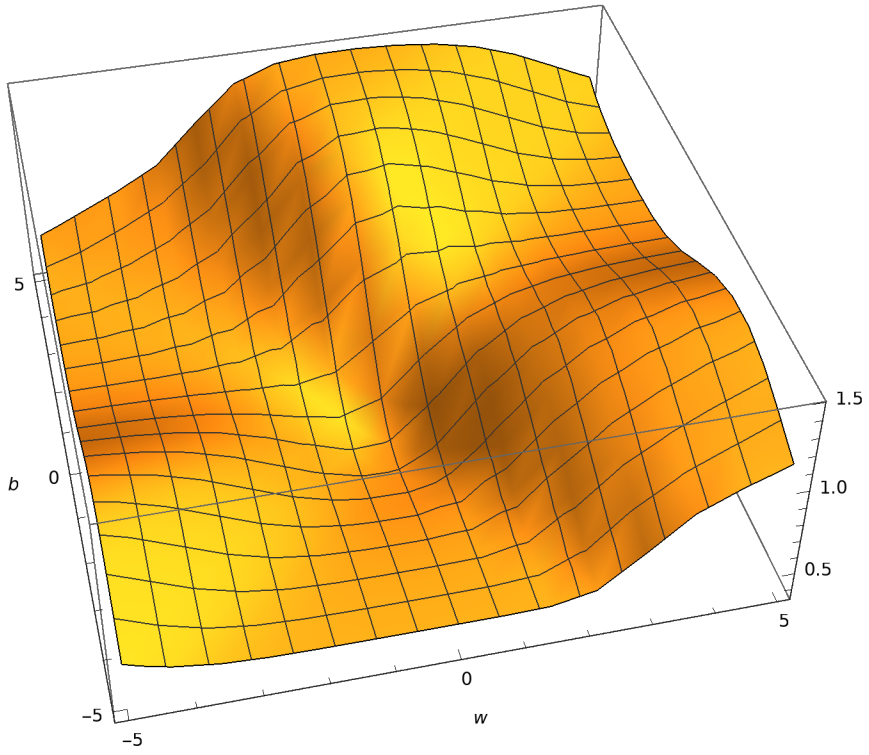
In[20]:=
```
f[t_] = 1 / (1 + Exp[-t])
```

Out[20]=
$$\frac{1}{1 + e^{-t}}$$

In[6]:=
```
M := 4
```

In[22]:=
```
Plot3D[Evaluate[(1 / 2) * Sum[(T[[μ]] - f[w * x[[μ]] + b]) ^ 2, {μ, 1, M}]],
 {w, -5, 5}, {b, -5, 5}, AxesLabel → Automatic]
```

Out[22]=



In[13]:=
```
T[[2]]
```

Out[13]=
```
1
```