

```
import numpy as np
```

```
def OR(x1, x2):  
    x = np.array([x1, x2])  
    w = np.array([0.5, 0.5])  
    b = -0.2  
    tmp = np.sum(w*x) + b  
    #print(x1, x2, tmp) #comment out  
    if tmp <= 0:  
        return 0  
    else:  
        return 1
```

```
OR(0,0)
```

```
0
```

```
OR(0.1,0)
```

```
0
```

```
OR(0.5,0)
```

```
1
```

```
OR(0.4,0)
```

```
0
```

```
OR(0.1,0)
```

```
0
```

```
OR(0.1,1.0)
```

```
1
```

