pratical-2-andnot

May 9, 2024

```python
[1]: import numpy as np
```

```python
[9]: def ANDNOT(x1,x2):
         weights = np.array([-1,-1,1])
         bias = 1
         activation = np.sum(weights*np.array([x1,x2,1]))+bias
         output = 0 if activation <= 0 else 1
         return output
```

```python
[10]: print("ANDNOT(0, 0) =",ANDNOT(0,0))
      print("ANDNOT(0, 1) =",ANDNOT(0,1))
      print("ANDNOT(1, 0) =",ANDNOT(1,0))
      print("ANDNOT(1, 1) =",ANDNOT(1,1))
```

```
ANDNOT(0, 0) = 1
ANDNOT(0, 1) = 1
ANDNOT(1, 0) = 1
ANDNOT(1, 1) = 0
```

```python
[ ]:
```