pratical-5-biredictional-2-vector

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```python
[1]: import numpy as np
     X = np.array([[1, 1, 1, -1], [-1, -1, 1, 1]])
     Y = np.array([[1, -1], [-1, 1]])
     W = np.dot(Y.T, X)

     def bam(x):
         return np.sign(np.dot(W, x))

     x_test = np.array([1, -1, -1, -1])
     y_test = bam(x_test)


     print("Input x:", x_test)
     print("Output y:", y_test)
```

```
Input x: [ 1 -1 -1 -1]
Output y: [ 1 -1]
```

```
[ ]:
```