

## Prac2

```
def mcp_andnot(a, b):
    # Define weights and threshold
    w1 = 1    # weight for input A
    w2 = -1   # weight for input B (negated)
    threshold = 1

    # Calculate the weighted sum
    weighted_sum = w1 * a + w2 * b

    # Apply threshold
    if weighted_sum >= threshold:
        return 1
    else:
        return 0

# Test all possible input combinations
print("A B | A AND NOT B")
print("-----")
for A in [0, 1]:
    for B in [0, 1]:
        result = mcp_andnot(A, B)
        print(f"{A} {B} | {result}")
```