ZAD 1

```
#WIELKOSC_TAB = 7
#WIELKOSC_TAB2 = 2
def y_(sum):
    if sum > 0:
        return 1
    else:
def suma(xi, xi2, w1, w2, x0, Theta):
    sum = xi * w1 + xi2 * w2 + Theta * x0
    return sum
x1 = [2, 2, 0, -2, -2, 0, 4]

x2 = [1, 2, 6, 10, 0, 0, -20]
d = [1, 1, 1, -1, -1, -1, -1]
w = [0, 0, 0]
#Theta = 0
iterator = 0
x0 = 1
while True:
    z = True
    for i in range(7):
         y = y_{suma}(x1[i], x2[i], w[0], w[1], x0, w[2]))
         if y != d[i]:
             w[0] = w[0] + d[i] * x1[i]

w[1] = w[1] + d[i] * x2[i]

w[2] = w[2] + d[i] * x0
              z = False
         print(y , d[i])
    iterator += 1
    print()
    print(iterator)
    print()
    if z:
print("w 0 =", w[2] , "w 1 =", w[0] , "w 2 =", w[1])
```

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```
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-1 -1
-1 -1
-1 -1
-1 -1

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1 1
1 1
1 1
-1 -1
-1 -1
-1 -1
-1 -1
-1 -1
```

w = -58 + 1 = 30 + 2 = 10

ZAD 2

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