EXPERIMENT – 18

PROGRAM:

```
iris_data = [
    [5.1, 3.5, 1.4, 0.2, 1],
    [4.9, 3.0, 1.4, 0.2, 1],
    [7.0, 3.2, 4.7, 1.4, 0],
    [6.4, 3.2, 4.5, 1.5, 0],
]

weights = [0.1, 0.2, -0.1, 0.3]
bias = -1.5

print("Enter sepal length, sepal
width, petal length, petal width:")
test = list(map(float, input().split()))

activation = bias
for i in range(4):
    activation += weights[i] * test[i]

prediction = 1 if activation > 0 else 0

if prediction == 1:
    print("Prediction: setosa")
else:
    print("Prediction: not setosa")
```