

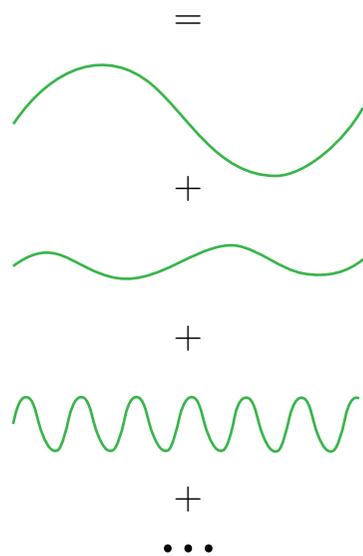
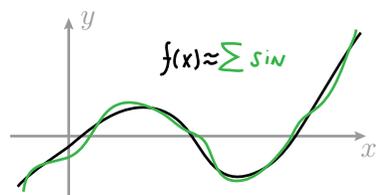
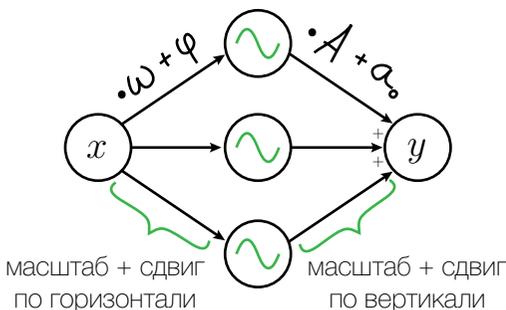
# Конструкторы функций

## Задачи – функции



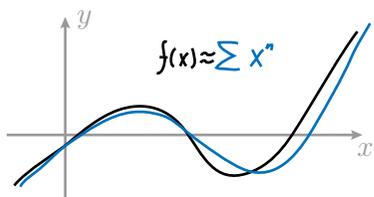
## Ряд Фурье

$$f(x) = \sum A \sin(\omega x + \varphi) + a_0$$



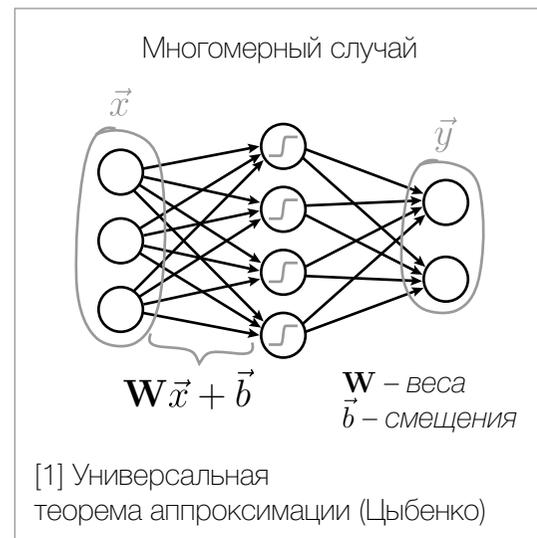
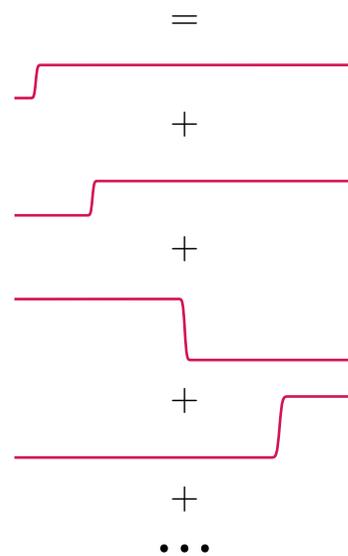
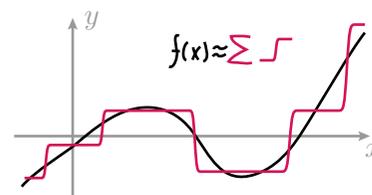
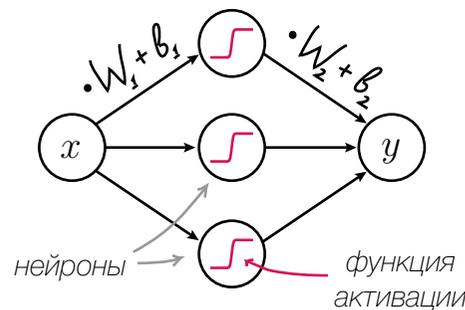
## Ряд Тейлора

$$f(x) = a_0 + a_1x + a_2x^2 + \dots$$

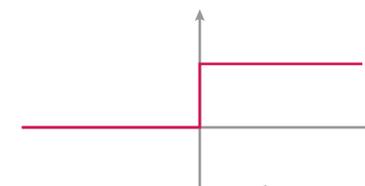


## Однослойная нейросеть

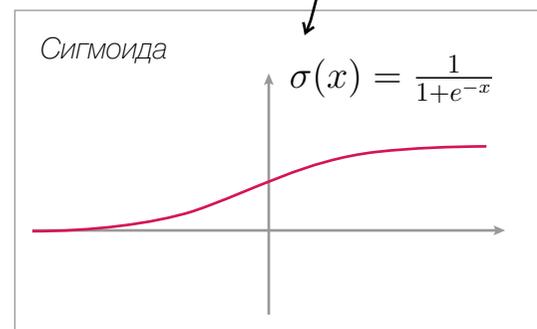
$$f(x) = \sum W_2 \sigma(W_1x + b_1) + b_2$$



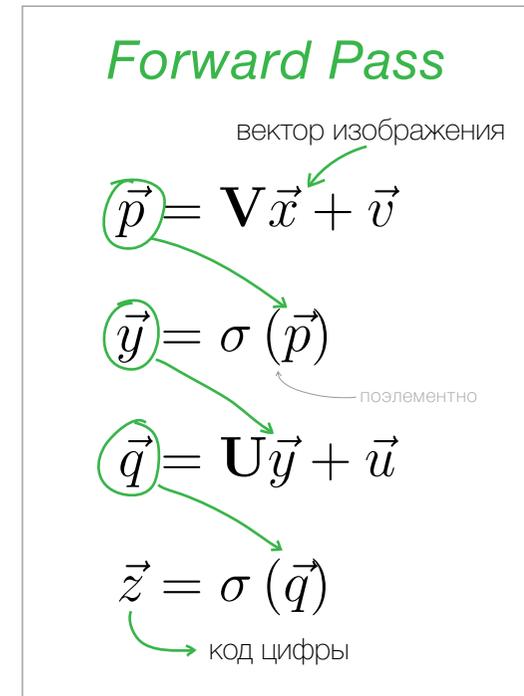
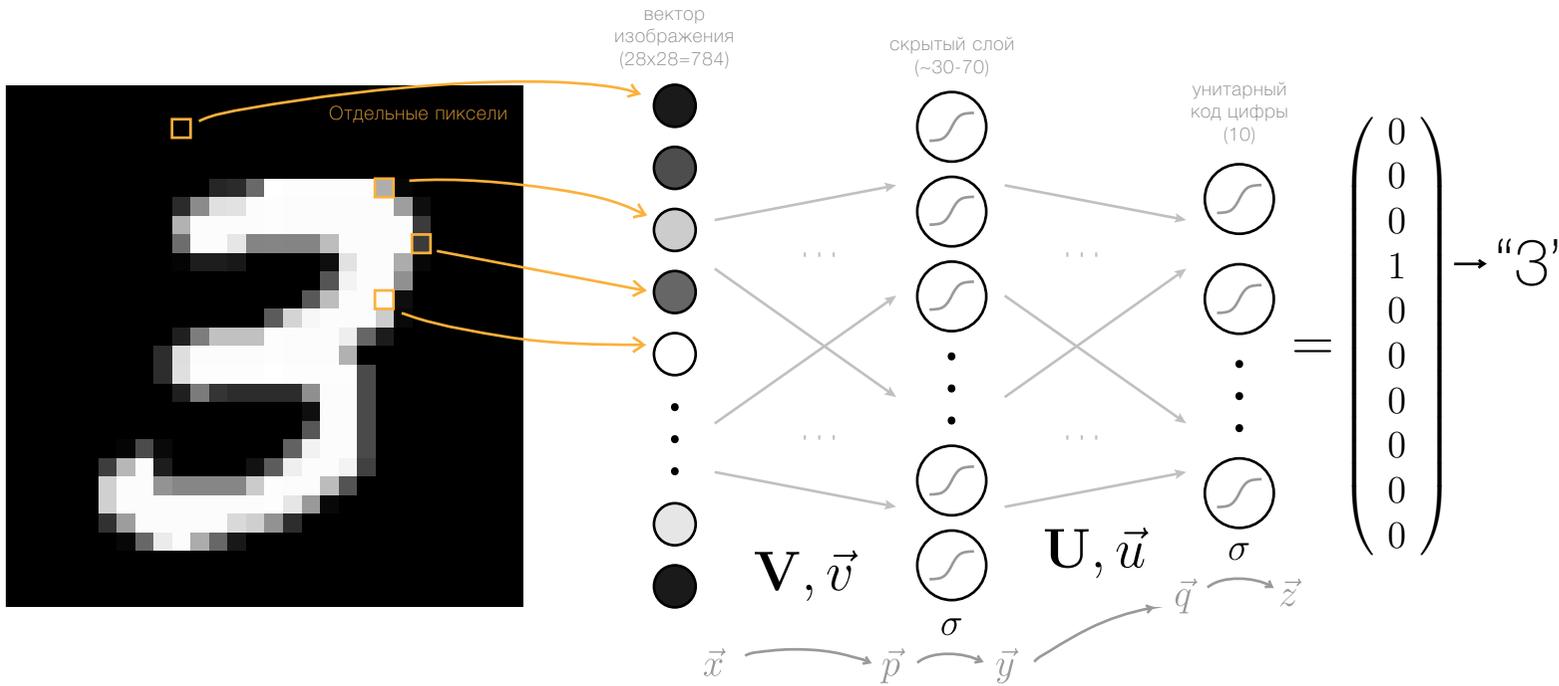
Единичная ступенчатая функция



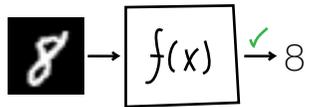
+ сглаживание



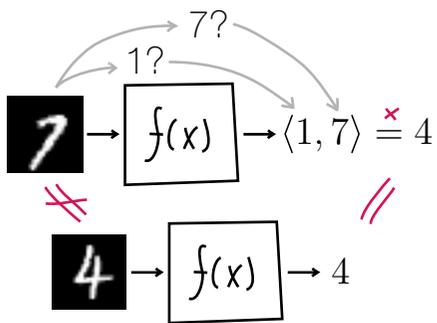
# Нейросеть – классификатор



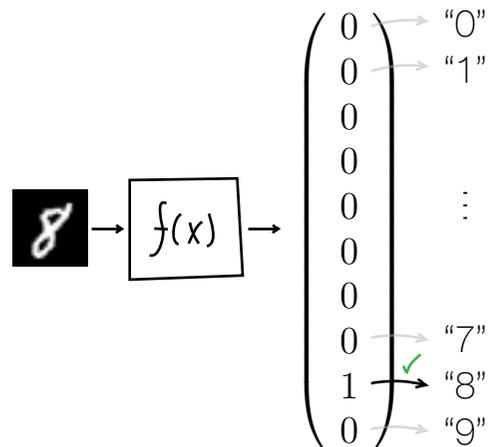
Сама цифра ✗



Спорный случай



Унитарный код ✓



Спорный случай

