**Примерные оценочные материалы, применяемые при проведении**

**текущего контроля по дисциплине**

**«Нейронные логические сети»**

При проведении текущей аттестации обучающемуся предлагается решить два тестовых задания из нижеприведенного списка.

**Задание 1. Обучение искусственного нейрона**

Провести обучение искусственного нейрона, распознающего заданную цифру Z по 9 бинарным признакам.

Заданы: исходный вектор весов W и пороговое значение R. На вход персептрона подаются цифры A, B, C из обучающей выборки.

- Определить итоговый вектор весов персептрона W2;

- Как изменится решение задачи при изменении порогового значения с R на R2?

Исходные данные для задания 1 (значение распознаваемой цифры Z, вектор весов W, значения цифр A, B, C, пороговые значение R и R2) выдаются преподавателем в начале тестирования.

Пример задания 1:

Описание распознаваемых цифр:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| **1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| **2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| **3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| **8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Распознаваемая цифраZ

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |

Исходный вектор весовW

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки A, B, C

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значенияR= 38, R2= 20

72 варианта тестовых заданий приведены ниже, в Приложении 1.

**Задание 2. Обучение однослойного персептрона**

Провести обучение однослойного персептрона, распознающего цифры от 0 до 9 по 9 бинарным признакам.

Задана исходная матрица весов W. На вход персептрона подаются цифры A и B из обучающей выборки.

Определить итоговую матрицу весов персептрона W2;

Исходные данные для задания 2 (матрица весов W и значения цифр A и B) выдаются преподавателем в начале тестирования.

Пример задания 2:

Описание распознаваемых цифр:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| **1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| **2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| **3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| **8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходная матрица весов W

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 3 | 4 | 3 | 5 | 1 | 0 | 3 |
| **4** | 1 | 7 | 2 | 5 | 1 | 8 | 1 | 4 | 7 |
| **5** | 6 | 9 | 2 | 4 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 9 | 2 | 3 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки A=1, B=7

72 варианта тестовых заданий приведены ниже, в Приложении 2.

Приложение 1.

**Вариант 1.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 35, R2= 24**

**Вариант 2.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 36, R2= 22**

**Вариант 3.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 29, R2= 14**

**Вариант 4.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 26, R2= 21**

**Вариант 5.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 23, R2= 14**

**Вариант 6.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 22, R2= 15**

**Вариант 7.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 20, R2= 16**

**Вариант 8.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 16, R2= 25**

**Вариант 9.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 18, R2= 26**

**Вариант 10.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 21, R2= 29**

**Вариант 11.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 4 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 21, R2= 26**

**Вариант 12.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 9 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 26, R2= 21**

**Вариант 13.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 8 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 25, R2= 20**

**Вариант 14.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 8 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 24, R2= 19**

**Вариант 15.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 1 | 6 | 9 | 8 | 7 | 4 | 2 | 3 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 23, R2= 18**

**Вариант 16.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 2 | 9 | 1 | 8 | 1 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 22, R2= 17**

**Вариант 17.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 2 | 8 | 4 | 1 | 1 | 8 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 21, R2= 16**

**Вариант 18.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 20, R2= 15**

**Вариант 19.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 8 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 4 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 25, R2= 19**

**Вариант 20.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 1 | 9 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 32, R2= 24**

**Вариант 21.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 9 | 4 | 1 | 1 | 8 | 9 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 31, R2= 22**

**Вариант 22.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 9 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 30, R2= 20**

**Вариант 23.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 9 | 8 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 31, R2= 23**

**Вариант 24.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 8 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 20, R2= 23**

**Вариант 25.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 8 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 20, R2= 32**

**Вариант 26.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 1 | 6 | 9 | 8 | 7 | 4 | 2 | 3 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 21, R2= 27**

**Вариант 27.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 2 | 9 | 1 | 8 | 1 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 20, R2= 28**

**Вариант 28.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 2 | 8 | 4 | 4 | 1 | 8 | 5 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 27, R2= 30**

**Вариант 29.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 2 | 7 | 3 | 4 | 3 | 1 | 9 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 26, R2= 22**

**Вариант 30.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 8 | 5 | 6 | 4 | 4 | 1 | 8 | 2 | 4 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 26, R2= 21**

**Вариант 31.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 9 | 6 | 9 | 5 | 1 | 8 | 2 | 3 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 29, R2= 23**

**Вариант 32.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 8 | 4 | 4 | 1 | 8 | 7 | 2 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 28, R2= 21**

**Вариант 33.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 8 | 1 | 8 | 6 | 2 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 28, R2= 23**

**Вариант 34.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 1 | 6 | 9 | 8 | 7 | 4 | 6 | 5 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 32, R2= 24**

**Вариант 35.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 1 | 7 | 2 | 9 | 1 | 6 | 1 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 25, R2= 20**

**Вариант 36.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 2 | 8 | 4 | 1 | 1 | 8 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 23, R2= 14**

**Вариант 37.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 25, R2= 20**

**Вариант 38.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 8 | 7 | 6 | 4 | 5 | 1 | 9 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 27, R2= 22**

**Вариант 39.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 8 | 4 | 1 | 6 | 2 | 5 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 35, R2= 26**

**Вариант 40.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 9 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 18, R2= 25**

**Вариант 41.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 9 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 28, R2= 22**

**Вариант 42.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 9 | 6 | 6 | 4 | 1 | 8 | 2 | 3 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 27, R2= 21**

**Вариант 43.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 4 | 1 | 8 | 3 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 20, R2= 25**

**Вариант 44.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 8 | 7 | 6 | 4 | 4 | 1 | 8 | 2 | 3 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 22, R2= 29**

**Вариант 45.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 17, R2= 13**

**Вариант 46.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 9 | 1 | 3 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 17, R2= 25**

**Вариант 47.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 6 | 7 | 9 | 4 | 3 | 5 | 8 | 2 | 7 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 35, R2= 23**

**Вариант 48.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 4 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 31, R2= 25**

**Вариант 49.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 4 | 1 | 1 | 8 | 2 | 4 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 28, R2= 21**

**Вариант 50.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 9 | 6 | 8 | 4 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 27, R2= 22**

**Вариант 51.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 3 | 1 | 8 | 1 | 2 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 18, R2= 25**

**Вариант 52.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 3 | 1 | 8 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 20, R2= 23**

**Вариант 53.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 1 | 6 | 9 | 8 | 7 | 4 | 2 | 3 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 29, R2= 24**

**Вариант 54.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 5 | 6 | 1 | 1 | 5 | 8 | 7 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 30, R2= 25**

**Вариант 55.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 7 | 8 | 1 | 1 | 8 | 9 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 24, R2= 18**

**Вариант 56.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 2 | 1 | 1 | 8 | 2 | 9 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **B= 2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 28, R2= 24**

**Вариант 57.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 1 | 7 | 2 | 6 | 2 | 1 | 8 | 3 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 20, R2= 17**

**Вариант 58.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 8 | 4 | 3 | 1 | 8 | 2 | 3 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 23, R2= 16**

**Вариант 59.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 8 | 7 | 3 | 4 | 2 | 1 | 8 | 2 | 3 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 20, R2= 25**

**Вариант 60.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 2 | 3 | 1 | 7 | 3 | 2 | 8 | 2 | 4 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 17, R2= 23**

**Вариант 61.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 2 | 8 | 1 | 2 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 15, R2= 22**

**Вариант 62.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 5 | 7 | 9 | 4 | 1 | 5 | 3 | 2 | 7 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 35, R2= 30**

**Вариант 63.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 5 | 7 | 9 | 4 | 1 | 2 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 28, R2= 25**

**Вариант 64.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 8 | 7 | 6 | 3 | 1 | 2 | 8 | 2 | 4 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 27, R2= 22**

**Вариант 65.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 6 | 9 | 3 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 26, R2= 22**

**Вариант 66.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 6 | 4 | 3 | 1 | 8 | 2 | 6 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 19, R2= 14**

**Вариант 67.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 7 | 3 | 4 | 5 | 1 | 8 | 2 | 4 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 29, R2= 21**

**Вариант 68.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 4 | 2 | 3 | 9 | 8 | 2 | 4 | 1 | 3 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 20, R2= 28**

**Вариант 69.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 3 | 7 | 2 | 9 | 1 | 3 | 1 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 19, R2= 27**

**Вариант 70.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 9 | 5 | 8 | 4 | 3 | 4 | 8 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 31, R2= 26**

**Вариант 71.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 5 | 7 | 6 | 4 | 3 | 1 | 8 | 2 | 1 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 28, R2= 21**

**Вариант 72.**

Распознаваемая цифра **Z**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Z= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

Исходный вектор весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W** | 8 | 7 | 9 | 4 | 3 | 2 | 8 | 2 | 4 |

Цифры из обучающей выборки **A**, **B**, **C**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A= 8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **B= 9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| **C= 6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |

Пороговые значения **R= 30, R2= 26**

Приложение 2.

**Описание распознаваемых цифр:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| **1** | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| **2** | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| **3** | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **4** | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **5** | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| **6** | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| **7** | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| **8** | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| **9** | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |

**Вариант 1.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 3 | 4 | 3 | 5 | 1 | 0 | 3 |
| **4** | 1 | 7 | 2 | 5 | 1 | 8 | 1 | 4 | 7 |
| **5** | 6 | 9 | 2 | 4 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 9 | 2 | 3 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=2**, **B=7**

**Вариант 2.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 6 | 9 | 2 | 4 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=3,** **B=5**

**Вариант 3.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 7 | 2 | 6 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=1,** **B=8**

**Вариант 4.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=2,** **B=4**

**Вариант 5.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=3,** **B=9**

**Вариант 6.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 3 | 5 | 7 | 2 | 5 | 6 | 9 | 5 | 3 |
| **1** | 5 | 8 | 1 | 4 | 7 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 8 | 1 | 1 | 0 | 3 | 7 | 2 | 5 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 5 | 8 | 1 | 4 | 7 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=2,** **B=6**

**Вариант 7.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 2 | 6 | 9 | 5 | 3 | 3 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 8 | 1 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=1,** **B=8**

**Вариант 8.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 2 | 2 | 5 | 4 | 3 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 8 | 8 | 1 | 4 | 7 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 2 | 2 | 5 | 4 | 3 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=8,** **B=3**

**Вариант 9.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 6 | 8 | 1 | 4 | 7 | 6 | 9 | 5 | 3 |
| **1** | 8 | 1 | 4 | 7 | 2 | 6 | 7 | 2 | 6 |
| **2** | 4 | 3 | 3 | 5 | 7 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=2,** **B=8**

**Вариант 10.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 2 | 3 | 7 | 2 | 5 | 8 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 4 | 3 | 5 | 1 | 0 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 5 | 1 | 0 | 8 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=5,** **B=2**

**Вариант 11.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 5 | 7 | 2 | 5 | 5 | 4 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=6,** **B=1**

**Вариант 12.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 9 | 2 | 4 | 1 | 8 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 4 | 7 | 2 | 6 | 9 | 1 | 1 | 0 | 3 |
| **4** | 9 | 1 | 1 | 0 | 3 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 4 | 7 | 2 | 6 | 9 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=4,** **B=7**

**Вариант 13.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 9 | 5 | 3 | 0 | 9 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 2 | 6 | 9 | 5 | 3 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 2 | 6 | 9 | 5 | 3 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 9 | 5 | 3 | 0 | 2 | 6 | 9 | 5 | 3 |

Цифры из обучающей выборки **A=8,** **B=2**

**Вариант 14.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 8 | 1 | 4 | 7 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 5 | 5 | 7 | 2 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=9,** **B=2**

**Вариант 15.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 7 | 2 | 6 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 6 | 8 | 1 | 4 | 7 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 6 | 9 | 5 | 3 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 6 | 8 | 1 | 4 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 6 | 9 | 5 | 3 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=0,** **B=8**

**Вариант 16.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 6 | 9 | 5 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 6 | 9 | 5 | 6 | 7 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=1,** **B=7**

**Вариант 17.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 2 | 2 | 5 | 4 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 8 | 8 | 1 | 4 | 4 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=2,** **B=6**

**Вариант 18.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 2 | 6 | 9 | 2 | 6 | 9 | 5 | 3 |
| **1** | 1 | 4 | 7 | 2 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 7 | 2 | 6 | 9 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=2,** **B=9**

**Вариант 19.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 5 | 1 | 0 | 3 | 2 | 6 | 9 | 5 | 3 |
| **1** | 5 | 7 | 2 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 5 | 7 | 2 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=3,** **B=0**

**Вариант 20.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 5 | 5 | 7 | 2 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 4 | 4 | 7 | 2 | 6 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=4,** **B=1**

**Вариант 21.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 7 | 2 | 6 | 2 | 6 | 9 | 5 | 3 |
| **1** | 6 | 9 | 5 | 3 | 1 | 4 | 7 | 2 | 6 |
| **2** | 4 | 1 | 8 | 3 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=5,** **B=2**

**Вариант 22.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 1 | 0 | 8 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 1 | 0 | 8 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=6,** **B=3**

**Вариант 23.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 7 | 2 | 6 | 9 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 7 | 2 | 6 | 9 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=7,** **B=4**

**Вариант 24.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 1 | 8 | 3 | 2 | 6 | 9 | 5 | 3 |
| **1** | 8 | 1 | 4 | 7 | 2 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=9,** **B=5**

**Вариант 25.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 7 | 2 | 6 | 9 | 6 | 9 | 5 | 3 |
| **1** | 6 | 8 | 1 | 4 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 8 | 1 | 1 | 0 | 3 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=0,** **B=7**

**Вариант 26.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 2 | 2 | 5 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 8 | 8 | 1 | 4 | 7 | 3 | 7 | 2 | 5 |
| **8** | 7 | 2 | 2 | 5 | 4 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=1,** **B=8**

**Вариант 27.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 3 | 5 | 7 | 2 | 5 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 6 | 8 | 1 | 4 | 7 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 7 | 2 | 5 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=2,** **B=9**

**Вариант 28.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 9 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 8 | 1 | 4 | 7 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=3,** **B=6**

**Вариант 29.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 2 | 2 | 5 | 4 | 3 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 2 | 5 | 4 | 3 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=4,** **B=0**

**Вариант 30.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 5 | 2 | 9 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 6 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 2 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=5,** **B=1**

**Вариант 31.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 9 | 1 | 4 | 8 | 2 | 6 | 9 | 5 | 3 |
| **1** | 6 | 8 | 1 | 4 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 7 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=6,** **B=2**

**Вариант 32.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 3 | 7 | 2 | 2 | 5 | 4 | 3 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=8,** **B=3**

**Вариант 33.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 3 | 3 | 5 | 7 | 2 | 5 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=9,** **B=4**

**Вариант 34.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 0 | 3 | 2 | 4 | 1 | 8 | 3 | 5 | 3 |
| **1** | 4 | 7 | 2 | 6 | 9 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=6,** **B=5**

**Вариант 35.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 0 | 3 | 3 | 7 | 2 | 5 | 7 | 2 | 6 |
| **1** | 8 | 1 | 4 | 4 | 7 | 2 | 6 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=0,** **B=6**

**Вариант 36.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 7 | 2 | 6 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=3,** **B=7**

**Вариант 37.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 7 | 2 | 6 | 9 | 6 | 9 | 5 | 3 |
| **1** | 1 | 0 | 3 | 7 | 2 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 7 | 2 | 6 | 9 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=1,** **B=8**

**Вариант 38.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 1 | 4 | 4 | 7 | 2 | 6 | 7 | 2 | 6 |
| **1** | 3 | 7 | 2 | 2 | 5 | 4 | 3 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=2,** **B=9**

**Вариант 39.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 5 | 1 | 0 | 3 | 7 | 2 | 5 | 5 | 3 |
| **1** | 0 | 3 | 2 | 4 | 1 | 8 | 3 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=4,** **B=0**

**Вариант 40.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 5 | 8 | 1 | 4 | 7 | 2 | 9 | 5 | 3 |
| **1** | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=5,** **B=1**

**Вариант 41.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 | 6 |
| **1** | 8 | 1 | 1 | 4 | 3 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=6,** **B=2**

**Вариант 42.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 5 | 3 |
| **1** | 0 | 3 | 2 | 4 | 1 | 8 | 3 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=8,** **B=2**

**Вариант 43.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 | 3 |
| **1** | 0 | 3 | 2 | 4 | 1 | 4 | 7 | 2 | 6 |
| **2** | 2 | 6 | 8 | 1 | 4 | 7 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=8,** **B=4**

**Вариант 44.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 4 | 7 | 2 | 7 | 2 | 6 |
| **1** | 7 | 2 | 2 | 5 | 4 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=9,** **B=5**

**Вариант 45.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 5 | 3 |
| **1** | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=0,** **B=7**

**Вариант 46.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 6 | 8 | 5 | 4 | 7 | 2 | 6 |
| **2** | 0 | 3 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=1,** **B=2**

**Вариант 47.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 3 | 5 | 5 | 7 | 2 | 7 | 2 | 6 |
| **1** | 3 | 5 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=3,** **B=5**

**Вариант 48.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 5 | 3 |
| **1** | 3 | 3 | 5 | 7 | 2 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=4,** **B=5**

**Вариант 49.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 0 | 3 | 2 | 4 | 1 | 8 | 3 | 5 | 3 |
| **1** | 1 | 0 | 3 | 2 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=5,** **B=7**

**Вариант 50.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 1 | 0 | 3 | 3 | 4 | 4 | 7 | 2 | 6 |
| **1** | 2 | 2 | 5 | 4 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=6,** **B=8**

**Вариант 51.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 3 | 3 | 5 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 3 | 2 | 4 | 1 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 1 | 4 | 7 | 2 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=7,** **B=9**

**Вариант 52.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 3 | 2 | 4 | 1 | 8 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 3 | 2 | 4 | 1 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=8,** **B=1**

**Вариант 53.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 2 | 2 | 5 | 4 | 3 | 7 | 2 | 6 |
| **1** | 3 | 7 | 2 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 1 | 1 | 4 | 7 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 8 | 8 | 1 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=9,** **B=0**

**Вариант 54.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 1 | 0 | 3 | 2 | 2 | 6 | 9 | 5 | 3 |
| **1** | 4 | 3 | 3 | 5 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=2,** **B=1**

**Вариант 55.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 1 | 8 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 4 | 1 | 8 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 4 | 1 | 8 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 4 | 1 | 8 | 7 | 2 |

Цифры из обучающей выборки **A=3,** **B=2**

**Вариант 56.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 6 | 2 | 5 | 5 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 2 | 5 | 5 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 2 | 5 | 5 | 4 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=4,** **B=3**

**Вариант 57.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 7 | 2 | 6 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 5 | 8 | 1 | 4 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 5 | 8 | 1 | 4 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 5 | 8 | 1 | 4 | 2 |

Цифры из обучающей выборки **A=5,** **B=4**

**Вариант 58.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 5 | 4 | 3 | 3 | 5 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 5 | 4 | 3 | 3 | 5 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 5 | 4 | 3 | 3 | 5 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=6,** **B=5**

**Вариант 59.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 3 | 5 | 5 | 7 | 2 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 3 | 5 | 5 | 7 | 2 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 3 | 5 | 5 | 7 | 2 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=7,** **B=6**

**Вариант 60.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 1 | 0 | 3 | 2 | 4 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 1 | 0 | 3 | 2 | 4 |
| **4** | 1 | 4 | 7 | 2 | 6 | 1 | 0 | 3 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 1 | 0 | 3 | 2 | 4 |

Цифры из обучающей выборки **A=8,** **B=7**

**Вариант 61.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 8 | 1 | 4 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 2 | 5 | 4 | 3 | 5 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 2 | 5 | 4 | 3 | 5 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 2 | 5 | 4 | 3 | 5 |

Цифры из обучающей выборки **A=9,** **B=8**

**Вариант 62.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 1 | 0 | 3 | 1 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 1 | 0 | 3 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 1 | 0 | 3 | 4 | 7 | 2 |
| **9** | 5 | 6 | 1 | 0 | 3 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=3,** **B=1**

**Вариант 63.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 7 | 2 | 6 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 4 | 7 | 2 | 6 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 4 | 7 |
| **7** | 4 | 1 | 4 | 7 | 2 | 6 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 4 | 7 | 2 | 6 | 2 |

Цифры из обучающей выборки **A=4,** **B=2**

**Вариант 64.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 0 | 3 | 2 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 0 | 3 | 2 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 0 | 3 | 2 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 0 | 3 | 2 | 7 | 2 |

Цифры из обучающей выборки **A=5,** **B=3**

**Вариант 65.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 2 | 2 | 1 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 7 | 2 | 2 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 7 | 2 | 2 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 6 | 7 | 2 | 2 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=6,** **B=4**

**Вариант 66.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 3 | 3 | 5 | 6 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 8 | 1 | 1 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 3 | 3 | 5 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 3 | 3 | 5 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=9,** **B=5**

**Вариант 67.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 7 | 2 | 6 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 7 | 2 | 6 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 8 | 3 |
| **7** | 4 | 1 | 7 | 2 | 6 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 7 | 2 | 6 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=9,** **B=5**

**Вариант 68.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 3 | 3 | 7 | 1 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 3 | 3 | 7 | 4 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 3 | 7 | 5 |
| **8** | 1 | 2 | 5 | 8 | 1 | 1 | 4 | 7 | 2 |
| **9** | 5 | 3 | 3 | 7 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=8,** **B=1**

**Вариант 69.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 0 | 3 | 7 | 7 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 0 | 3 | 7 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 0 | 3 | 7 | 7 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 0 | 3 | 7 | 7 |
| **7** | 4 | 1 | 0 | 3 | 7 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 1 | 0 | 3 | 7 | 7 | 2 |

Цифры из обучающей выборки **A=4,** **B=1**

**Вариант 70.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 3 | 5 | 1 | 0 | 2 | 6 | 9 | 5 | 3 |
| **1** | 2 | 5 | 4 | 3 | 5 | 4 | 7 | 2 | 6 |
| **2** | 3 | 3 | 5 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 3 | 5 | 1 | 0 | 0 | 3 |
| **4** | 1 | 4 | 7 | 2 | 6 | 3 | 5 | 1 | 0 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 4 | 1 | 3 | 5 |
| **7** | 4 | 1 | 3 | 5 | 1 | 0 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 |

Цифры из обучающей выборки **A=8,** **B=2**

**Вариант 71.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 5 | 4 | 3 | 5 | 4 | 4 | 7 | 2 | 6 |
| **1** | 8 | 5 | 7 | 2 | 5 | 5 | 4 | 3 | 5 |
| **2** | 7 | 3 | 4 | 3 | 5 | 5 | 1 | 0 | 3 |
| **3** | 4 | 7 | 5 | 1 | 5 | 4 | 3 | 5 | 7 |
| **4** | 5 | 5 | 4 | 3 | 5 | 5 | 7 | 2 | 5 |
| **5** | 4 | 3 | 3 | 7 | 2 | 2 | 5 | 4 | 3 |
| **6** | 3 | 9 | 1 | 4 | 7 | 7 | 2 | 6 | 9 |
| **7** | 1 | 5 | 1 | 0 | 3 | 3 | 7 | 2 | 5 |
| **8** | 1 | 2 | 5 | 5 | 4 | 3 | 5 | 7 | 2 |
| **9** | 5 | 6 | 8 | 1 | 4 | 4 | 7 | 2 | 6 |

Цифры из обучающей выборки **A=8,** **B=3**

**Вариант 72.**

Исходная матрица весов **W**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Цифра** | **Признаки** | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **0** | 4 | 7 | 2 | 6 | 2 | 6 | 9 | 5 | 3 |
| **1** | 7 | 2 | 5 | 8 | 1 | 4 | 7 | 2 | 6 |
| **2** | 1 | 0 | 3 | 7 | 2 | 5 | 4 | 3 | 5 |
| **3** | 9 | 2 | 4 | 1 | 0 | 3 | 2 | 4 | 1 |
| **4** | 1 | 4 | 7 | 2 | 6 | 8 | 1 | 4 | 7 |
| **5** | 2 | 5 | 4 | 3 | 3 | 5 | 7 | 2 | 5 |
| **6** | 5 | 1 | 0 | 3 | 2 | 0 | 3 | 2 | 4 |
| **7** | 4 | 1 | 8 | 1 | 4 | 7 | 2 | 6 | 9 |
| **8** | 4 | 3 | 5 | 1 | 0 | 3 | 7 | 2 | 5 |
| **9** | 3 | 7 | 0 | 3 | 2 | 4 | 1 | 7 | 2 |

Цифры из обучающей выборки **A=9,** **B=4**