

## Код Хаффмана

По заданной частоте символов построить код Хаффмана и расшифровать слово  $W$ .<sup>1</sup>

### Задача 29.1.

*Алексахин Антон*

$W = 000011011011100001000$

$N(a) = 17, N(u) = 15, N(c) = 30, N(e) = 26, N(n) = 11, N(t) = 10,$

### Задача 29.2.

*Балов Артём Игоревич*

$W = 0000010110110111000000$

$N(w) = 10, N(v) = 11, N(p) = 26, N(z) = 30, N(y) = 15, N(x) = 17,$

### Задача 29.3.

*Белоусов Георгий Михайлович*

$W = 1110010000100010110111$

$N(Z) = 12, N(U) = 19, N(V) = 17, N(K) = 32, N(X) = 28, N(Y) = 13,$

### Задача 29.4.

*Бондаренко Андрей*

$W = 0000111000101000111111$

$N(u) = 14, N(a) = 16, N(c) = 29, N(q) = 25, N(r) = 10, N(s) = 9,$

### Задача 29.5.

*Гильманов Булат Наильевич*

$W = 010000010110110000111$

$N(a) = 19, N(u) = 17, N(c) = 32, N(e) = 28, N(n) = 13, N(t) = 12,$

### Задача 29.6.

*Егоров Всеволод Кириллович*

$W = 0000000010110110111001$

$N(w) = 12, N(v) = 13, N(p) = 28, N(z) = 32, N(y) = 17, N(x) = 19,$

### Задача 29.7.

*Журавлева Анастасия*

$W = 111000000001000111000000$

$N(Z) = 10, N(U) = 17, N(V) = 15, N(K) = 30, N(X) = 26, N(Y) = 11,$

### Задача 29.8.

*Зубрильчев Даниил*

$W = 0000100010000110000111$

$N(u) = 15, N(a) = 17, N(c) = 30, N(q) = 26, N(r) = 11, N(s) = 10,$

<sup>1</sup>Просветов Г.И. Дискр.математика. М.:Алфа-Пресс. 2009. с. 116 .

**Задача 29.9.***Изотов Роман Игоревич* $W = 111101110010110110111$  $N(a) = 16, N(u) = 14, N(c) = 29, N(e) = 25, N(n) = 10, N(t) = 9,$ **Задача 29.10.***Луканин Александр Сергеевич* $W = 0000010010110110000000$  $N(w) = 12, N(v) = 13, N(p) = 28, N(z) = 32, N(y) = 17, N(x) = 19,$ **Задача 29.11.***Семенов Дмитрий Сергеевич* $W = 100000010000110111111$  $N(Z) = 10, N(U) = 17, N(V) = 15, N(K) = 30, N(X) = 26, N(Y) = 11,$ **Задача 29.12.***Степанова Светлана* $W = 000001110001111111001110$  $N(u) = 15, N(a) = 17, N(c) = 30, N(q) = 26, N(r) = 11, N(s) = 10,$ **Задача 29.13.***Уткин Артем Евгеньевич* $W = 010001110010100001110$  $N(a) = 18, N(u) = 16, N(c) = 31, N(e) = 27, N(n) = 12, N(t) = 11,$ **Задача 29.14.***Храпов Иван Николаевич* $W = 001000000001011010111$  $N(w) = 12, N(v) = 13, N(p) = 28, N(z) = 32, N(y) = 17, N(x) = 19,$ **Задача 29.15.***Чернышев Егор Вадимович* $W = 0100011100001000111000$  $N(Z) = 11, N(U) = 18, N(V) = 16, N(K) = 31, N(X) = 27, N(Y) = 12,$ **Задача 29.16.** $W = 000110000110000111111111$  $N(u) = 15, N(a) = 17, N(c) = 30, N(q) = 26, N(r) = 11, N(s) = 10,$ **Задача 29.17.** $W = 000011011011100001000$  $N(a) = 19, N(u) = 17, N(c) = 32, N(e) = 28, N(n) = 13, N(t) = 12,$

**Задача 29.18.**

$W = 0000010110110111000000$

$N(w) = 9, N(v) = 10, N(p) = 25, N(z) = 29, N(y) = 14, N(x) = 16,$

**Задача 29.19.**

$W = 1110010000100010110111$

$N(Z) = 10, N(U) = 17, N(V) = 15, N(K) = 30, N(X) = 26, N(Y) = 11,$

**Задача 29.20.**

$W = 0000111000101000111111$

$N(u) = 15, N(a) = 17, N(c) = 30, N(q) = 26, N(r) = 11, N(s) = 10,$