**Лекция 1**

Системы счисления: двоичная , восьмеричная , шестнадцатеричная , десятичная

**ASCll**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | **B** | **C** | **D** | **E** | **F** | **G** | **H** | **I** | **J** | **K** | **L** | **M** |
| 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 |
| **N** | **O** | **P** | **Q** | **R** | **S** | **T** | **U** | **V** | **W** | **X** | **Y** | **Z** |
| 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |

* **72**
* **73**
* **33**

**Алгоритмы**

Пример кода с вариантом из жизни

1 pick up phone book

2 open to middle of phone book

3 look at names

4 if “Smith” is among names

5 call Mike

6 else if “Smith” is earlier in book

7 open to middle of left half of book

8 go to line 3

9 else if “Smith” is later in book

10 open to middle of right half of book

11 go to line 3

12 else

13 give up

Операторы