Министерство образования и науки РФ

Федеральное государственное автономное

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«Санкт-Петербургский национальный исследовательский университет

информационных технологий, механики и оптики»

**факультет программной инженерии и компьютерной техники**

**ДОМАШНЯЯ РАБОТА № 8**

по дисциплине

‘Дискретная Математика’

Вариант №18

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# Пункт 1

A = 6,6

B = 0,026

## Ф1

A = 6,610 = 6,616 = 0,6616 × 161

ХА = РА + 64 = 6510 = 100 00012

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 |
| 0 | 1 |  |  |  |  |  | 7 | 8 |  |  |  |  |  |  | 15 |

B = 0,02610 ≈ 0,06A16 = 0,6A 16 × 16-1

ХА = РА + 64 = 6310 = 011 11112

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 |
| 0 | 1 |  |  |  |  |  | 7 | 8 |  |  |  |  |  |  | 15 |

## Ф2

A = 6,610 = 0110,01102 = 0,1100 11002 × 23

ХА = РА + 128 = 13110 = 1000 00112

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| 0 |  |  |  |  |  |  |  | 8 | 9 |  |  |  |  |  | 15 |

B = 0,02610 ≈ 0,0000 0110 10102 = 0,1101 01002 × 2-5

ХА = РА + 128 = 12310 = 0111 10112

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 0 | 1 |  |  |  |  |  |  | 8 | 9 |  |  |  |  |  | 15 |