Павличенко Софья Алексеевна, группа P3115

Домашнее задание №2

Вариант 48

Задание 1.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | А > 0, B > 0. | | | | | | | | | | Интерпретации | | |
|  |  |  |  |  |  |  |  |  |  | Знаковая | |  | Беззнаковая |
| Апр. | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |  | 33 | |  | 33 |
| Bпр. | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |  | 82 | |  | 82 |
| Спр. | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 |  | 115 | |  | 115 |

CF=0, ZF=0, PF=0, AF=0, SF=0, OF=0.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | А > 0, B < 0. | | | | | | | | | | | Интерпретации | | | | | | |
|  | |  |  |  |  |  |  |  |  |  | |  | Знаковая | | |  | Беззнаковая | | | | |
| Апр. | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |  | 33 | | |  | 33 | | | | |
| Bдоп. | | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 |  | -82 | | |  | 174 | | | | |
| Сдоп. | | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 |  |  | | |  | 207 | | | | |
| Спр. | | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |  | -49 | | |  | | | |  | | |

|  |
| --- |
|  |

CF=1, ZF=0, PF=0, AF=0, SF=1, OF=0.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | А < 0, B > 0. | | | | | | | | | | Интерпретации | | |
|  |  |  |  |  |  |  |  |  |  | Знаковая | |  | Беззнаковая |
| Адоп. | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |  | -33 | |  | 223 |
| Bпр. | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |  | 82 | |  | 82 |
| Спр. | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |  | 49 | |  | 49? |

CF=1, ZF=0, PF=0, AF=1, SF=0, OF=0.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | А < 0, B < 0. | | | | | | | | | | | Интерпретации | | | | | | |
|  | |  |  |  |  |  |  |  |  |  | |  | Знаковая | | |  | Беззнаковая | | | | |
| Адоп. | | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |  | -33 | | |  | 223 | | | | |
| Bдоп. | | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 |  | -82 | | |  | 174 | | | | |
| Сдоп. | | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |  |  | | |  | 141? | | | | |
| Спр. | | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 |  | -115 | | |  | | | |  | | |

CF=1, ZF=0, PF=0, AF=1, SF=1, OF=0.

Задание 2.

A + B > 128, значит 127 > B > 128 – A

127 > B > 128 – 33 = 95, пусть B = 110.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | А > 0, B > 0. | | | | | | | | | | | Интерпретации | | | | | | |
|  | |  |  |  |  |  |  |  |  |  | |  | Знаковая | | |  | Беззнаковая | | | | |
| Апр. | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |  | 33 | | |  | 33 | | | | |
| Bпр. | | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 |  | 110 | | |  | 110 | | | | |
| Сдоп. | | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |  |  | | |  | 143 | | | | |
| Спр. | | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |  | -113? | | |  | | | |  | | |

CF=0, ZF=0, PF=1, AF=0, SF=1, OF=1.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | А < 0, B < 0. | | | | | | | | | | Интерпретации | | |
|  |  |  |  |  |  |  |  |  |  | Знаковая | |  | Беззнаковая |
| Адоп. | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |  | -33 | |  | 223 |
| Bдоп. | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |  | -110 | |  | 146 |
| Спр. | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |  | 113? | |  | 113? |

CF=1, ZF=0, PF=1, AF=1, SF=0, OF=1.

Задание 3.

B = 82

A + B = 180

A = 128 – 82 = 46

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| B | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | А > 0, B > 0. | | | | | | | | | | | Интерпретации | | | | | | |
|  | |  |  |  |  |  |  |  |  |  | |  | Знаковая | | |  | Беззнаковая | | | | |
| Апр. | | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 |  | 46 | | |  | 46 | | | | |
| Bпр. | | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |  | 82 | | |  | 82 | | | | |
| Сдоп. | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | | |  | 128 | | | | |
| Спр. | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | -128? | | |  | | | |  | | |

CF=0, ZF=0, PF=0, AF=1, SF=1, OF=1.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | А < 0, B < 0. | | | | | | | | | | | Интерпретации | | | | | | |
|  | |  |  |  |  |  |  |  |  |  | |  | Знаковая | | |  | Беззнаковая | | | | |
| Адоп. | | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |  | -46 | | |  | 210 | | | | |
| Bдоп. | | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 |  | -82 | | |  | 174 | | | | |
| Сдоп. | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | | |  | 128? | | | | |
| Спр. | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | -128 | | |  | | | |  | | |

CF=1, ZF=0, PF=0, AF=1, SF=1, OF=0.