Технологично Училище Електронни Системи

Технология на програмирането
Тест побитови операции

Вариант №1

<table>
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<td>

a=?
int orig = 0b03   a=3818b03
int insert = e060
int a = orig | (insert << 10)

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b=?
int orig = 0b03   b=e0f03
int insert = e060
int a = orig | (insert << 4)

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AND=?
int orig = 0b03   AND=b03
int insert = e060
int a = orig | (insert << 10)
int b = orig | (insert << 4)
int AND = a & b;

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OR=?
int orig = 0b03   OR=b03
int insert = e060
int a = orig | (insert << 5)
int b = orig | (insert << 1)
int OR = a & b;

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OR=?
int orig = 0b03   OR=38f8400
int insert = e060
int a = orig | (insert << 5)
int b = orig | (insert << 1)
int XOR = a ^ b;

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left=?   left=b03
int i=0b03
int left= 0b03 | (1 << 8);

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result=?
long value1=2200dd00   result=11006ce40
long value2=000099
int result=(value1 << 3)^(value2 << 6)

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result=?
int value1=451   result=11006ce40
int value2=957
int result=(value1 << 3)^(value2 << 6)

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a=?
long testValue=2200dd00   a=1
int a=0
if (testValue & (1 << 8))
{
a=1
}
else
{
a=2
}

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a=? result=?
long testValue=2200dd00   a=1   result=0
int a=0
int result=0
if((result=testValue & testValue ^ testValue | (1 << 8)))
{
a=1
}
else
{
a=2
}

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result=?
int value1=196   result=18a10
int value2=33
int result =(value1 << 9)^(value2 << 4)

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result=?
int value1=971   result=18a10
int value2=6142
int result =(value1 << 9)^(value2 << 4)

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