



You are working on problem set:
[Homework 2](#) ([Pause](#))

✓ bitset1

Language/Type: **C** [C bitwise operators bit manipulation](#)

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Bit masks are an important part of coding bitwise operations. Often you might need to set or clear a particular bit in a mask, and the following functions accomplish that:

```
int bitset(int num, int pos)
{
    return num | (1 << pos);
}

int bitclear(int num, int pos)
{
    return num & ~(1 << pos);
}
```

Given the above functions, what is the return value in base-10 for each of the following expressions?

.
. .
.

bitset(22, 5)	<input type="text" value="54"/>
bitset(15, 31)	<input type="text" value="-2147483633"/>
bitset(12, 0)	<input type="text" value="13"/>
bitclear(54, 5)	<input type="text" value="22"/>
bitclear(15, 31)	<input type="text" value="15"/>
bitclear(-12, 31)	<input type="text" value="2147483636"/>



Submit



✓ You passed 6 of 6 tests.



#	question	your answer	result
1	bitset(22, 5)	54	✓ pass
2	bitset(15, 31)	-2147483633	✓ pass
3	bitset(12, 0)	13	✓ pass
4	bitclear(54, 5)	22	✓ pass
5	bitclear(15, 31)	15	✓ pass
6	bitclear(-12, 31)	2147483636	✓ pass



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