Bit Rotation

C++ offers some bit operations but not bit rotation. To complete that, write a function that takes three parameters:

1. **n**: Integer, which in binary representation should be rotated.
2. **m**: Number of rotation steps that should be performed.
3. **d**: Boolean value; 1 = rotation right, 0 = rotation left.

Your function should return an integer as a result of its rotated binary representation.

Sample input   **Sample output**

Sample input	Sample output
8 1 1	4
16 1 0	1
17 2 0	6