Algorithm-1.4-Jacobi symbol algorithm

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```
def Jacobi(a,b):
    if (b \le 0) or (b\%2 = 0):
        return 0
    j = 1
    if (a < 0):
        a = -a
        if (b\%4 == 3):
            j = -j
    while (a != 0):
        while (a\%2 = 0):
            a = a//2
            if (b\%8 ==3) or (b\%8 == 5):
                j = -j
        count = a
        a = b
        b = count
        if (a\%4 = 3) and (b\%4 = 3):
            j = -j
        a = a\%b
    if (b == 1):
        return j
    return 0
Jacobi (18,27)
```