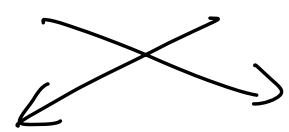
4.3.3.8 Example 6

Q: $q = 353$ $g = 3$

$a = 97$ $b = 233$ $y = g^x \bmod q$

Solution

$3^{97} \bmod 353 = 40$ $3^{233} \bmod 353 = 248$



$248^{97} \bmod 353 = 160$ $40^{233} \bmod 353 = 160$