474397531:2

251:6

5:2

3:2

2:1

VELP-Test for 474397531:
All of the following must be true ..

.. VERTEX p:x =>
x**(p-1) = 1 (mod p)

.. EDGE p:x --> q:y
=> q | (p-1) &&
x**((p-1)/q) != 1 (mod p)

.. LEAF
=> 2:1

.. PRODUCT p:x --> {p1,...,pk}
=> p = p1*p2*..*pk + 1