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Somsed

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$x^{1984} + y^{738} = 1$
 $\left(x - 1\right)^{1380} + \left(y - 1\right)^{676} = 1$
 $x = y \left(2x^3 - 4x - 1\right)$
 $x - 2 = y \left(-x^6 + 7x^5\right)$
 $x + 2 = y \left(5y^9 - 14\right)$