

J. The number of *pairs of positive integers* x, y which solve the equation

$$x^3 + 6x^2y + 12xy^2 + 8y^3 = 2^{30}$$

is

- (a) 0, (b) 2^6 , (c) $2^9 - 1$, (d) $2^{10} + 2$.