4A: x^{α}, $2^{k}\cdot 3^{l}$, y^{β}, $2\cdot z^{\gamma}$

x = 5, y = 7, z = 11: $2^{k}\cdot 3^{l} = 2\cdot 11^{\gamma} - 2 = 2\cdot(11^{\gamma} - 1) = 2\cdot 10\cdot(11^{\gamma-1} + \ldots + 1)$ is divisible by 5, contradiction.

x = 5, y = 11, z = 7: $2^{k}\cdot 3^{l} = 11^{\beta} - 1 = 10\cdot(11^{\beta-1} + \ldots + 1)$ is divisible by 5, contradiction.

x = 7, y = 5, z = 11: $2^{k}\cdot 3^{l} - 2 = 7^{\alpha} - 1 = 6\cdot(7^{\alpha-1} + \ldots + 1)$ is divisible by 3, contradiction.

x = 7, y = 11, z = 5: as in case x = 7 or in case y = 11 above.

x = 11, y = 5, z = 7: $5^{\beta} - 3 = 11^{\alpha} - 1 = 10\cdot(11^{\alpha-1} + \ldots + 1)$ is divisible by 5, contradiction.

x = 11, y = 7, z = 5: $2\cdot 5^{\gamma} - 4 = 11^{\alpha} - 1 = 10\cdot(11^{\alpha-1} + \ldots + 1)$ is divisible by 5, contradiction.