For each of the following construction axioms, use recursive construction to find the first few elements, and then guess what \( \text{what} \) is.

(a) \( \text{1, what}+\text{what}, \text{what}\times\text{what}: \text{what} \)

\[
\begin{align*}
\text{what}_0 &= \text{null} \\
\text{what}_1 &= 1, \text{null}+\text{null}, \text{null}\times\text{null} = 1 \\
\text{what}_2 &= 1, 1+1, 1\times1 = 1, 2 \\
\text{what}_3 &= 1, (1, 2)+(1, 2), (1, 2)\times(1, 2) = 1, 2, 3, 4
\end{align*}
\]

I guess \( \text{what} = \text{nat}+1 \)

(b) \( \text{2, what}+\text{what}, \text{what}\times\text{what}: \text{what} \)

\[
\begin{align*}
\text{what}_0 &= \text{null} \\
\text{what}_1 &= 2, \text{null}+\text{null}, \text{null}\times\text{null} = 2 \\
\text{what}_2 &= 2, 2+2, 2\times2 = 2, 4 \\
\text{what}_3 &= 2, (2, 4)+(2, 4), (2, 4)\times(2, 4) = 2, 4, 6, 8, 16
\end{align*}
\]

I guess \( \text{what} = 2\times(\text{nat}+1) \)