In Section 2.2 there is a self-describing expression

\[
\text{""""0;0;0;..29);28;28(1;..28) """"}
\]

which evaluates to its own representation.

(a) Write an expression that evaluates to twice its own representation. In other words, it evaluates to its own representation followed by its own representation again.

\[
\text{""""2*(0;0;0;..33);32;32(1;..32) """"}
\]

(b) Make it into a self-printing program. Let's say that \( !e \) prints the value of expression \( e \).

\[
\text{""""!""""0;1;0;1(1;..34);33;33(2;..33) """"}
\]