(1 << n) + (k'' ^ (k'' >> 1)) =

$$\begin{array}{cccccc} & 1 & \overline{k'_{n-2}} & \overline{k'_{n-3}} & \overline{k'_{n-4}} & \cdots & \overline{k'_0} \\ \wedge & & & & & & \\ & 0 & 0 & \overline{k'_{n-2}} & \overline{k'_{n-3}} & \cdots & \overline{k'_1} \end{array}$$

(1k' ^ (1k' >> 1)) =