Now that we know \( f(x,t) \) for all \( x \), we can draw a table showing after \( x = 0 \) we have the picture. For example, for

\[
g(x,t) = f(x+\frac{x}{2},t) + f(x-\frac{x}{2},t)
\]

\[
f(x+\frac{x}{2},t)\text{ with } x = 0 + \frac{x}{2}
\]

\[
f(x-\frac{x}{2},t)\text{ with } x = 0 - \frac{x}{2}
\]

This picture shows the shape of several times.

\[
\approx x = \frac{1}{2}
\]

\[
\approx x = \frac{1}{2}
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\approx x = \frac{1}{2}
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\[
\approx x = \frac{1}{2}
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\[
= x = \frac{1}{2}
\]