$$x_0 = 1$$

$$x_1 \qquad \qquad \downarrow \omega_0$$

$$\vdots \qquad \qquad \searrow \qquad \qquad \downarrow \omega_0$$

$$\vdots \qquad \qquad \searrow \qquad \qquad \downarrow \omega_0$$

$$\vdots \qquad \qquad \searrow \qquad \qquad \downarrow \omega_0$$

$$\vdots \qquad \qquad \qquad \downarrow \omega_0$$

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