t	$P(t)$
0	2
$\frac{1}{2}$	$2(1.12)$
1	$2(1.12)^2$
$\frac{3}{2}$	$2(1.12)^3$
2	$2\,(1.12)^4$

$\times 1.12$

$\times 1.12$

$\times 1.12$

$\times 1.12$

$P(0) = 2.00$

$P\left(\frac{1}{2}\right) = 2.24$

$P(1) = 2.51$

$P\left(\frac{3}{2}\right) = 2.81$

$P(2) = 3.15$