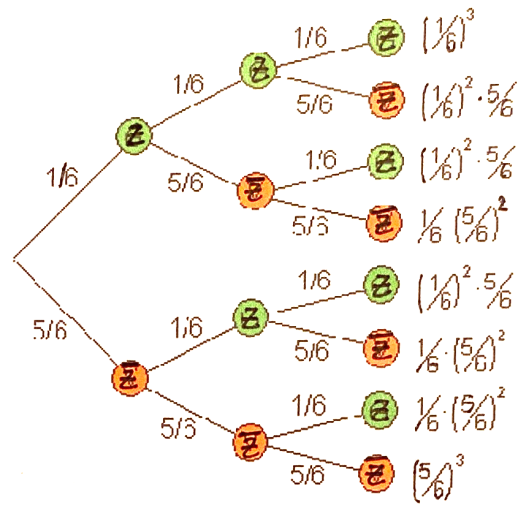


Lösungshilfen:



$x_i$	$P(X = x_i)$
-2	$\left(\frac{5}{6}\right)^3 \approx 0,5787$
0	$3 \cdot \left(\frac{1}{6}\right) \cdot \left(\frac{5}{6}\right)^2 \approx 0,3472$
2	$3 \cdot \left(\frac{1}{6}\right)^2 \cdot \left(\frac{5}{6}\right) \approx 0,0694$
4	$\left(\frac{1}{6}\right)^3 \approx 0,00463$

$x_i$	$P(X = x_i)$	$x_i \cdot P(X = x_i)$
-2	$\left(\frac{5}{6}\right)^3 = \frac{125}{216}$	$-\frac{250}{216}$
0	$3 \cdot \left(\frac{1}{6}\right) \cdot \left(\frac{5}{6}\right)^2 = \frac{75}{216}$	0
2	$3 \cdot \left(\frac{1}{6}\right)^2 \cdot \left(\frac{5}{6}\right) = \frac{15}{216}$	$\frac{30}{216}$
4	$\left(\frac{1}{6}\right)^3 = \frac{1}{216}$	$\frac{4}{216}$
Mittelwert		$-\frac{216}{216} = -1$

$$E(X) = (-2€) \cdot \left(\frac{5}{6}\right)^3 + 0€ \cdot \frac{75}{216} + 2€ \cdot \frac{15}{216} + 4€ \cdot \frac{1}{216} = -1€$$