

We know that the velocity of the ball at the highest point will be equal to the zero. So, we can use the formula (actually g is negative):

$$V_{end} = V_{start} + g \cdot t \Rightarrow t = \frac{V_{end} - V_{start}}{g} = \frac{0 - 22}{(-9.81)} = 2.243 \text{ s.}$$

Answer: 2.243 s.