$$y^{(3)} = 2y^{1} + 2 \xrightarrow{\times - 0} y^{(3)}(0) = 54$$

$$y^{(4)} = 2y^{(5)} \xrightarrow{\times - 0} y^{(4)}(0) = 2 \cdot 34 = 2^{2} \cdot 17$$

$$y^{(5)} = 2y^{(5-1)} \longrightarrow y^{(6)}(0) = 2y^{(6-1)}(0) = \dots = 2^{n-3}y^{10}(0) = 2^{n-2} \cdot 17$$

$$y^{(6)} = 2 \cdot 17$$