

YMR0010 XIII harjutustund

1. Lahendage

$$y^{(5)} - y^{(4)} = xe^x - 1$$

2. Lahendage

$$y'' - y' = x + \cos x$$

3. Lahendage

$$\begin{cases} y' = z + 1 \\ z' = y + 1 \end{cases}$$

4. Lahendage

$$\begin{cases} y' = 2x(y^2 + z^2) \\ z' = 4xyz \end{cases}$$