

$$\mu_{n+1} = \mu_n + \frac{h}{6}(k_1 + 2k_2 + 2k_3 + k_4)$$

$$\mu_2 = \mu_1 + \frac{h}{6}(\dots)$$

$$f(y) = 2y$$

$$\mu_1 = 29.190$$

$$\dots \rightarrow k_1 = f(\mu_n) = 2 \cdot \mu_1 = 2 \cdot (29.190)$$

$$k_1 = 58.38$$

$$k_2 = f(\mu_n + \frac{h}{2}k_1) = 2(\mu_n + \frac{h}{2}58.38) = 2(\mu_1 + h29.19)$$

$$\cancel{29.190 + 0.1 \cdot 58.38}$$

$$= 2 \cdot (29.190 + h29.19) = 2 \cdot (29.190 + (0.1)29.19)$$

$$k_2 = 58.22$$

$$k_3 = f(\mu_n + \frac{h}{2}k_2) = 2(\mu_n + \frac{h}{2}58.22)$$

$$= 2(29.190 + \frac{0.1000}{2}58.22)$$

$$k_3 = 64.26$$