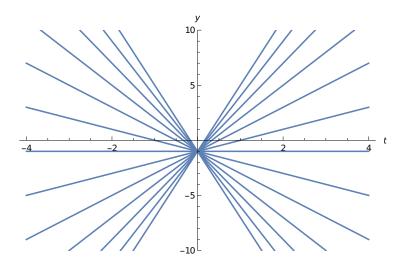
Equazione iniziale: $y' = \frac{y+1}{t}$

solution = DSolve[y'[t] ==
$$\frac{y[t] + 1}{t}$$
, y[t], t] $\{\{y[t] \rightarrow -1 + t c_1\}\}$

 $f[t_] = y[t] /. solution[[1]]$ $F[t_] = Table[f[t] /. c_1 \rightarrow j, \{j, -6, 6\}]$ $Plot[F[t], \{t, -4, 4\}, AxesLabel \rightarrow \{t, y\}, PlotRange \rightarrow \{-10, 10\}]$



Condizione data: y(1) = 0

cauchy = DSolve
$$\left\{ y'[t] = \frac{y[t] + 1}{t}, y[1] = 0 \right\}, y[t], t$$

 $\left\{ y[t] \rightarrow -1 + t \right\}$

 $g[t_] = y[t]/. cauchy[1]$ $Plot[g[t], \{t, -4, 4\}, AxesLabel \rightarrow \{t, y\}, PlotRange \rightarrow \{-10, 10\}]$

