67 rumerian buga JR(x; "Tax+b) olx Munuep.

 $\int R(x', \sqrt{\frac{ax+6}{ex+d}}) dx = \int R(x; \sqrt{\frac{ax+6}{ex+d}}, \dots, \sqrt{\frac{x+6}{ex+d}}) dx =$ $=\int \mathcal{R}\left(\frac{b-dt^{N}}{ct^{N}-\alpha},t^{m_{1}},t^{m_{2}}\right)\left(\frac{b-dt^{N}}{ct^{N}-\alpha}\right)dt.$ ad-leto y= Nax+6 Cx+d N= MOK (n1, ... nk) $m_1 = \frac{N}{n_1}$, ... $m_k = \frac{N}{n_k}$, $\in \mathbb{N}$ Li: ynz ax+6 cx+d $t = \sqrt{\frac{ax+b}{cx+at}}, x = \frac{b-at^{N}}{ct^{N}-a} = 9(t)$ yzt $\frac{h_j}{\sqrt{\frac{\alpha x + 6}{c x + ol}}} = t^{m_j}$ tn(cx+d)=ax+6 $x(ct^n-a)=6-dt^n$ $x = \frac{6 - olt^n}{Ct^n - a} = 4/t)$ y= t= 9(t) Thump: $\int \frac{dx}{\sqrt{x}(\sqrt[6]{x}+1)} = \int \frac{6t^5 dt}{t^3(t+1)} = 6\int (t-1+\frac{1}{t+1}) dt =$ $t = \sqrt[6]{x} \Rightarrow x = t^6$ $\sqrt{x} = t^3 \quad \text{alx} = 6t^5 \text{alt}$ h1=2 na=6 $\begin{array}{l}
N = 6 \\
m_4 = 3 \\
m_2 = 1
\end{array}$

 $=3t^{2}-6t+6\ln|t+1|+C=3\sqrt{x}-6\sqrt{x}+6\ln|\sqrt{x}+1|+C.$