Permenne:

$$\int \operatorname{cond} x dx = \int u dv = \int$$

= x arctgx - 1 ln(42+1) + C

Mulepka:

$$\frac{d}{dx}\left(x \operatorname{anctg} x - \frac{1}{2}\ln(yz_{+1}) + C\right) = \frac{d}{dx}\left(x \operatorname{anctg} x\right) - \frac{1}{2}\frac{d}{dx}\ln(yz_{+1}) =$$

= 
$$\frac{d}{dx}(k)$$
 and  $gx + \chi \frac{d}{dx}(and gx) - \frac{1}{2} \frac{1}{\chi^2 + 1} \frac{d}{dx}(\chi^2 + 1) =$ 

= 1. and 
$$3x + x + \frac{x_5+1}{1} - \frac{5}{1} + \frac{x_5+1}{1}$$
,  $2x =$ 

= anety x + 
$$\frac{x}{y^2y} - \frac{2x}{2(y^2y)} = azety x + \frac{x}{y^2y} - \frac{x}{x^2y} =$$

= anoty X

Outem: Jandgx = x andgx - { ln (x241) +C

(9.11)