

```
(%i1) kill(all);
(%o0) done
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```
(%i1) assume(u>0, b>0);
(%o1) [u>0, b>0]
```

```
(%i2) Int: (u^2/(u+b))^(3/2)*log(u);
(%o2) 
$$\frac{u^3 \log(u)}{(u+b)^{3/2}}$$

```

```
(%i3) integrate(Int, u);
(%o3) 
$$2 \left( \left( \frac{(u+b)^{5/2} - 5 b (u+b)^{3/2} + 15 b^2 \sqrt{u+b}}{5} + \frac{b^3}{\sqrt{u+b}} \right) \log(u) - 2 \right. \\ \left. \left( \frac{8 b^{5/2} \log\left(\frac{2 \sqrt{u+b} - 2 \sqrt{b}}{2 \sqrt{u+b} + 2 \sqrt{b}}\right)}{5} + \frac{3 (u+b)^{5/2} - 20 b (u+b)^{3/2} + 165 b^2 \sqrt{u+b}}{75} \right) \right)$$

```