

```
> restart;
> A := int(Pi*log(x)^2, x = 2 .. 10);
      A:= 8 π ln(2)2 - 16 π ln(2) + 16 π + 20 π ln(2) ln(5) + 10 π ln(5)2 - 20 π ln(5)
> simplify(A);
      2 π (4 ln(2)2 - 8 ln(2) + 8 + 10 ln(2) ln(5) + 5 ln(5)2 - 10 ln(5))
> evalf(A);
      77.8454048
> Digits := 30;
      Digits:= 30
> evalf(A);
      77.845404792106223149855324210
>
```