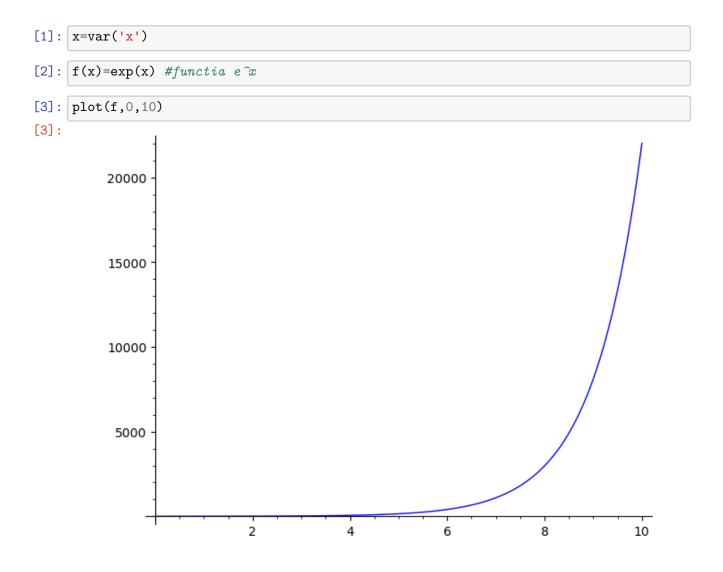
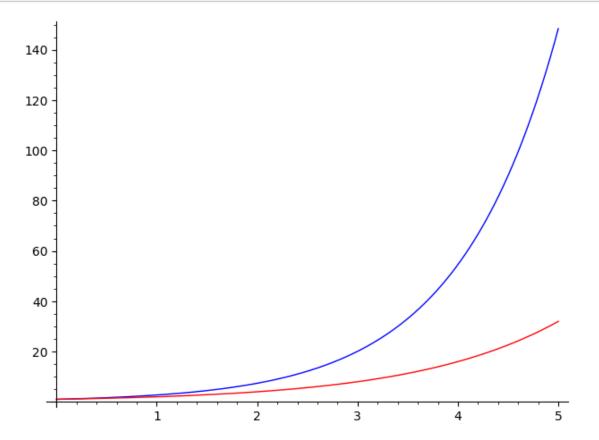
Laboratorul 1

October 6, 2023



```
[4]: p1=plot(f,0,5) #graficul lui e^x
[5]: f(x)=2^x
[6]: p2=plot(f,0,5,color='red') #graficul lui 2^x
```

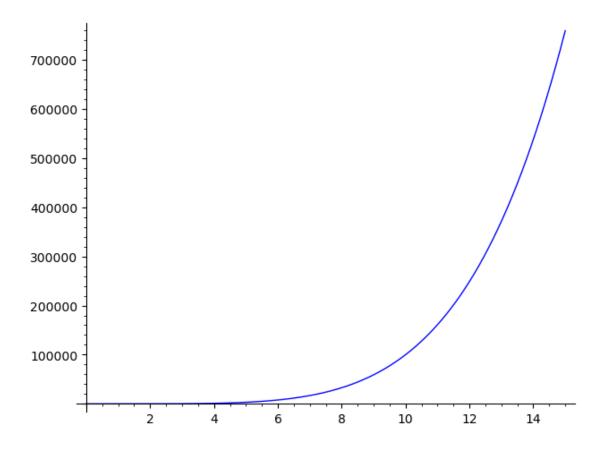
[7]: (p1+p2).show()



[8]: g(x)=5^x

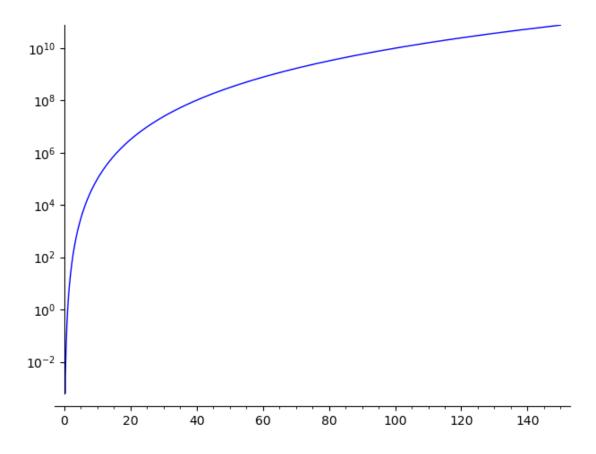
[9]: p3=plot(g,0,5,color='yellow')

[10]: (p1+p2+p3).show()

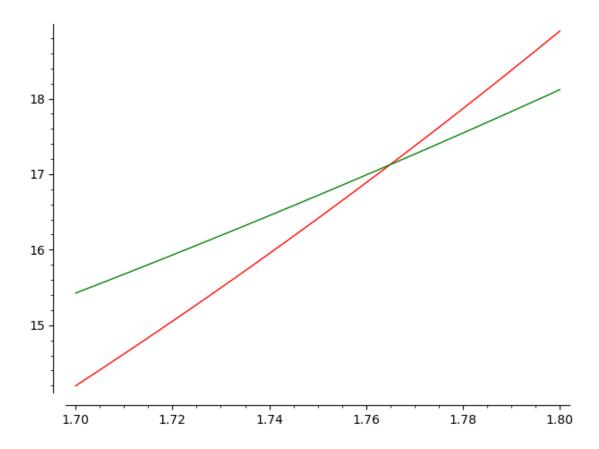


```
[11]: f1(x)=x^5
f2(x)=5^x
```

```
[12]: p1=plot(f1,0,6,color='red')
p2=plot(f2,0,6,color='green')
(p1+p2).show()
```



```
[13]: p1=plot(f1,1.7,1.8,color='red')
p2=plot(f2,1.7,1.8,color='green')
(p1+p2).show()
```



```
[14]: data=[(0,37),(4,47),(8,63),(12,78),(16,105),(20,130),(24,173)]
q1=scatter_plot(data)

[15]: t=var('t')
a=37 #=h(0)
b=(47/37)^(1/4)
h(t)=a*b^t
q2=plot(h,0,24)
(q1+q2).show()
```

