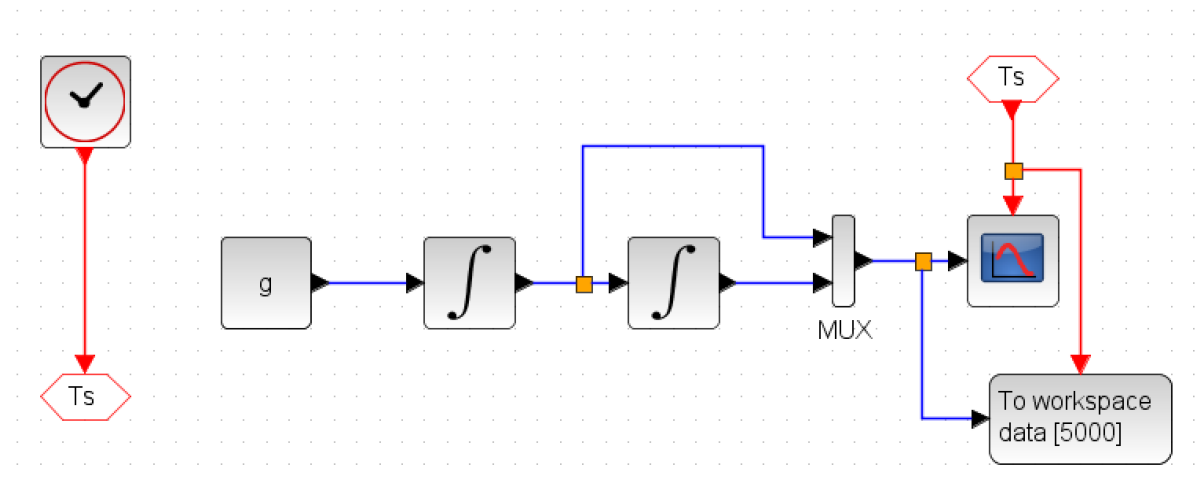
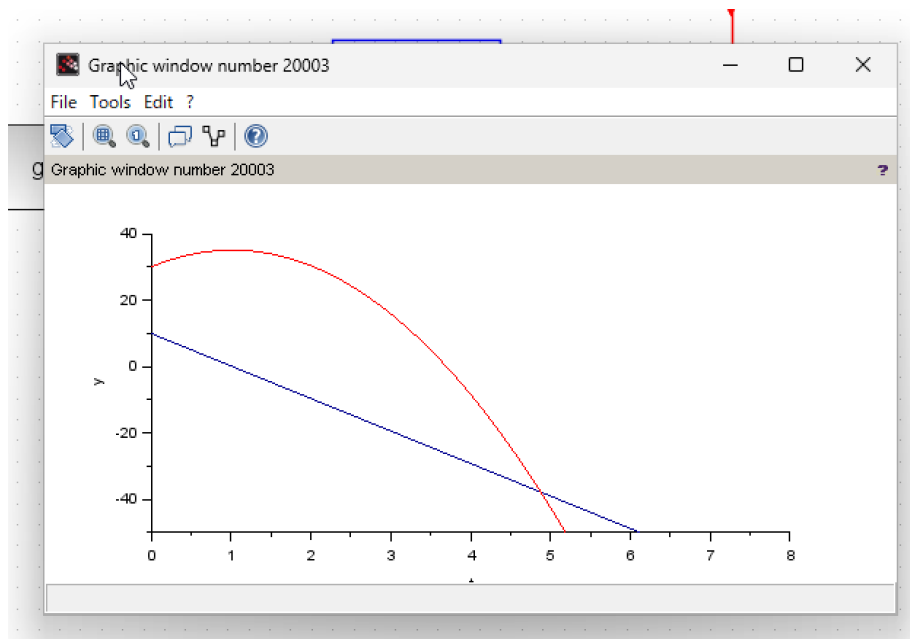


第2回 Scilab の基本操作



```
fma.sce x fma_set.sce x
1 m=1
2 x0=30
3 v0=10
4 g=-9.8
```



```

1 t=0:0.1:8;
2 tt=data.time;
3 vv=data.values(:,1);
4 xx=data.values(:,2);
5
6 //理論式
7 g=-9.8
8 v=g*t+v0;
9 x=v0*t+(1/2)*g*t^2+x0
10 close(); //表示グラフを閉じる
11
12 subplot(211) //速度
13 plot(tt,vv,'r',t,v,'+b','LineWidth',-2)
14 xgrid
15 set(gca(),'font_size',-4)
16 xlabel('t-[sec]','fontname','helvetica','fontsize',4);
17 ylabel('v-[m/s]','fontname','helvetica','fontsize',4);
18 legend('Simulation','Theory',3);
19
20 subplot(212) //位置
21 plot(tt,xx,'r',t,x,'+b','LineWidth',-2)
22 xgrid
23 set(gca(),'font_size',-4)
24 xlabel('t-[sec]','fontname','helvetica','fontsize',4);
25 ylabel('v-[m/s]','fontname','helvetica','fontsize',4);
26 legend('Simulation','Theory',3);
27

```

