```
Inicio
```

```
double f(double x, doubley)
```

```
double g=9.81
double c=12.5
double m=68.1
double a=8.3
double b=2.2
double v_max=46
```

```
return g-c/m*(y+a*pow((y/v_max),b))
```

```
Fin
```