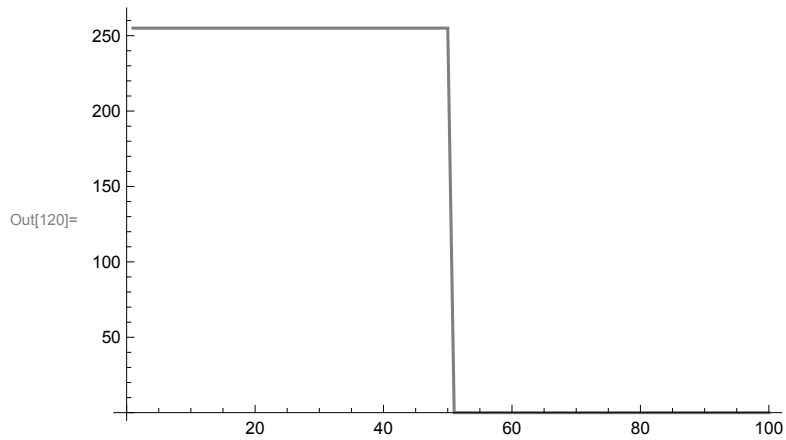


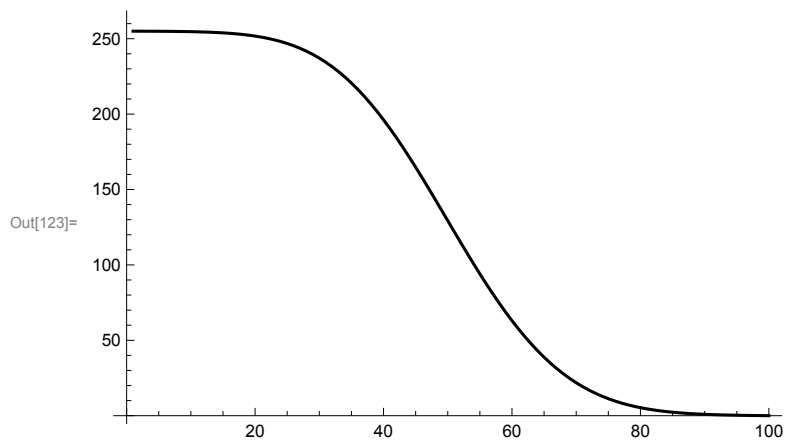
```

In[119]:= raw = Flatten[{Table[255, {50}], Table[0, {50}]}];
rawline = ListLinePlot[raw, PlotStyle -> Gray]
Length[raw]
For[step = 1, step < 200, step++,
  For[i = 2, i < 100, i++,
    raw[[i]] =  $\frac{1}{3}$  (raw[[i - 1]] + raw[[i]] + raw[[i + 1]])];
curve = ListLinePlot[raw, PlotStyle -> Black]

```



Out[121]= 100



```

setup[width_] := (
  value = Round@{raw[[51 - width]], raw[[51 + width]]};
  tol = Ceiling@
    {raw[[51 - width]] - raw[[51 - width + 1]], raw[[51 + width]] - raw[[51 + width + 1]]};
  mark1 = ListLinePlot[{{0, value[[1]]}, {51 - width, value[[1]]}}];
  mark1t =
    ListLinePlot[{{0, value[[1]] + tol[[1]]}, {51 - width - 1, value[[1]] + tol[[1]]}}];
  mark2 = ListLinePlot[{{0, value[[2]]}, {51 + width, value[[2]]}}];
  mark2t =
    ListLinePlot[{{0, value[[2]] + tol[[2]]}, {51 + width - 1, value[[2]] + tol[[2]]}}];
  Show[rawline, curve, mark1, mark1t, mark2, mark2t]
)

```

In[125]:= Manipulate[setup[w], {w, 1, 30, 1}]

Out[125]=

