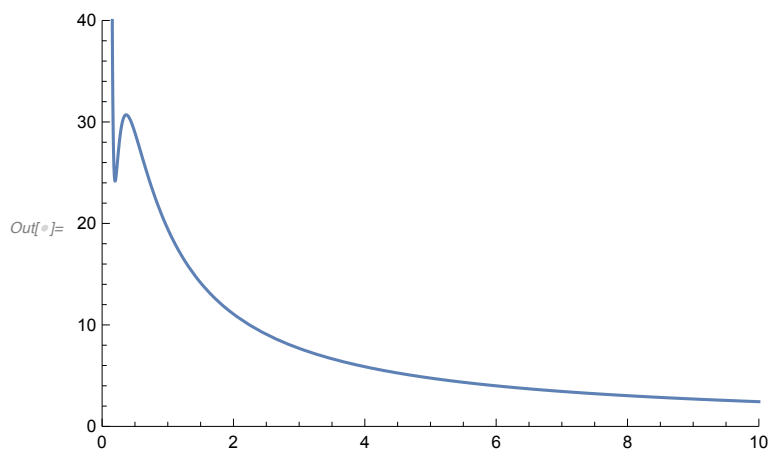


In[96]:=

```
ClearAll;  
a = 7.857 (* L^2 bar / mol^2 *);  
b = 0.087 (* L / mol *);  
R = 0.0831 (* L*bar/K*mol *);
```

In[95]:=  $P[Bm\_ , T\_ ] := R T / (Bm - b) - a / Bm^2$

In[9]:=  $\text{Plot}[P[Bm, 300], \{Bm, 0, 10\}, \text{PlotRange} \rightarrow \{\{0, 10\}, \{0, 40\}\}]$

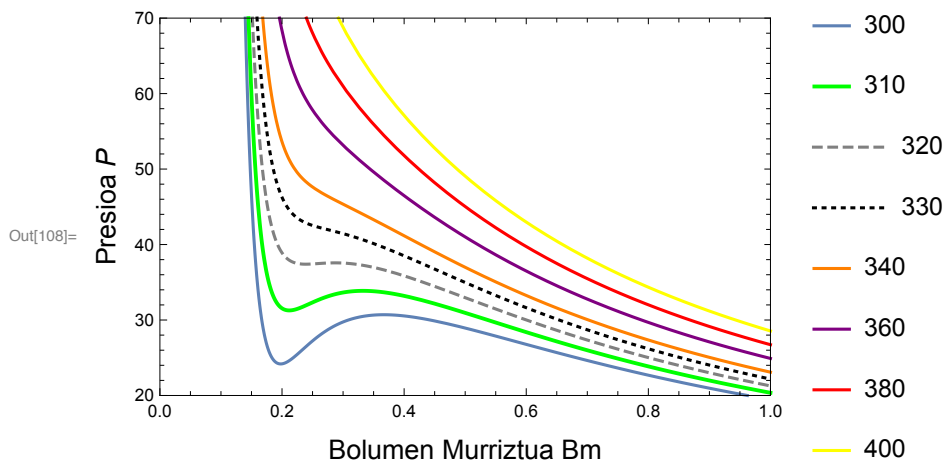


```

In[100]:= t300 = Plot[P[Bm, 300], {Bm, 0, 1}, PlotRange → {{0, 1}, {20, 70}},
  Frame → True, FrameLabel → {Style[Row[{"Bolumen Murriztua ", Bm}], 14],
    Style[Row[{"Presioa ", P}], 14]}, PlotLegends → {"300"}];
t310 = Plot[P[Bm, 310], {Bm, 0, 1}, PlotStyle → {{Thick, Green}},
  PlotRange → {{0, 1}, {20, 70}}, PlotLegends → {"310"}];
t320 = Plot[P[Bm, 320], {Bm, 0, 1}, PlotStyle → {{Dashed, Gray}},
  PlotRange → {{0, 1}, {20, 70}}, PlotLegends → {"320"}];
t330 = Plot[P[Bm, 330], {Bm, 0, 1}, PlotStyle → {{Dotted, Black}},
  PlotRange → {{0, 1}, {20, 70}}, PlotLegends → {"330"}];
t340 = Plot[P[Bm, 340], {Bm, 0, 1}, PlotStyle → {{Orange}},
  PlotRange → {{0, 1}, {20, 70}}, PlotLegends → {"340"}];
t360 = Plot[P[Bm, 360], {Bm, 0, 1}, PlotStyle → {{Purple}},
  PlotRange → {{0, 1}, {20, 70}}, PlotLegends → {"360"}];
t380 = Plot[P[Bm, 380], {Bm, 0, 1}, PlotStyle → {{Red}},
  PlotRange → {{0, 1}, {20, 70}}, PlotLegends → {"380"}];
t400 = Plot[P[Bm, 400], {Bm, 0, 1}, PlotStyle → {{Yellow}},
  PlotRange → {{0, 1}, {20, 70}}, PlotLegends → {"400"}];

```

```
Show[t300, t310, t320, t330, t340, t360, t380, t400]
```



In[ ]:=

```
Manipulate[Plot[P[Bm, T], {Bm, 0, 1},
  PlotRange -> {{0, 1}, {20, 70}}, PlotLegends -> {T}], {T, 300, 380, 5}]
```

Out[ ]:=

