(Debug) In[1]:=
```
(* Ex 1. Vazão máxima *)
```

(Debug) In[2]:=
```
patmSobreGamma = 10.33 - 0.0012 × 777;
```

(Debug) In[3]:=
```
(* 6.107 b Q^1.75 Lv / D^4.75 = hfs *)
```

(Debug) In[12]:=
$$\text{hfs} = 6.107 \times .015\, Q^{1.75}\, \frac{(1.7 + 1.5 + 1 + 23 + 3.6 + 0.6)}{.0894^{4.75}};$$

(Debug) In[11]:=
```
npshd = patmSobreGamma - 1.5 - hfs - .24;
```

(Debug) In[10]:=
```
a = Solve[npshd == npshr + 1.3, npshr];
```

(Debug) In[9]:=
```
Solve[a[[1, 1, 2]] == 5175 Q^2 + 79.72 Q, Q]
```

(Debug) Out[9]=
```
{{Q → 0.00220041}}
```