(Debug) In[52]:=
```
(* Equação Universal - Cálculo do fluxo *)
```

(Debug) In[218]:=
```
comprimentoAspersor = 200;
diametroAspersor = .0234;
comprimentoTubalacao = 200;
diametroRecalque = .075;
hgs = 10;
hgsrecalque = 24;
hgaspersor = 2;
hfsuccao = 1;
hfaspersor = 1;
cargaDePressao = 40;
f = .9;
vazao = Solve[1 == .08263 f q^2 comprimentoAspersor / diametroAspersor^5, q];
hf = 10.65 vazao[[2, 1, 2]]^1.852 comprimentoTubalacao / (150^1.852 diametroRecalque^4.871);
hmt =
  (-hgs + hfsuccao) + (-hgsrecalque + hf) + (hgaspersor + hfaspersor) + cargaDePressao
```

(Debug) Out[231]=
```
10.0001
```

(Debug) In[60]:=

(Debug) In[61]:=

(Debug) In[62]:=

(Debug) Out[63]=
$$10 + 6.92824 \times 10^{-7}\ \text{comprimentoTubulacao}$$