(Debug) In[ ]:=

```
f = .02;
comprimento = 1000;
diametro = .4;
hf[f_, comprimento_, diametro_] := .08263 f (vazao / 3)^2 / diametro^5 comprimento
hgsuccao = -10;
hgrecalque = 78.6;
cargaDePressao = 20;
hmt[hgsuccao_, hgrecalque_, cargaDePressao_] =
  hgsuccao + hgrecalque + cargaDePressao + hf[f, comprimento, diametro];
q = Solve[-7714.3 vazao^2 + 115.71 vazao + 108 ==
    hmt[hgsuccao, hgrecalque, cargaDePressao], vazao];
resposta = q[[2, 1, 2]] 3600
```

(Debug) Out[ ]= 209.26