

```
(Debug) In[111]:= Off[Remove::rmnsm]
Remove["Global`*"]
SetDirectory[NotebookDirectory[]];
```

```
(Debug) In[131]:= fr1 = 3.5804;
y2 = 1.2;
yn1 = Solve[ $\frac{y2}{y1} == \frac{1}{2} \left( -1 + \sqrt{1 + 8 \text{fr1}^2} \right)$ , y1];

vUm = Solve[ $\text{fr1} == \frac{v1}{\sqrt{9.81 \text{yn1}[[1, 1, 2]]}}$ , v1]

fr2n = Solve[ $\frac{\text{yn1}[[1, 1, 2]]}{y2} == \frac{1}{2} \left( -1 + \sqrt{1 + 8 \text{fr2}^2} \right)$ , fr2];

vDois = Solve[ $\text{fr2n}[[2, 1, 2]] == \frac{v2}{\sqrt{9.81 y2}}$ , v2]
```

```
(Debug) Out[134]=
{{v1 -> 5.7351}}
```

```
(Debug) Out[136]=
{{v2 -> 1.25}}
```