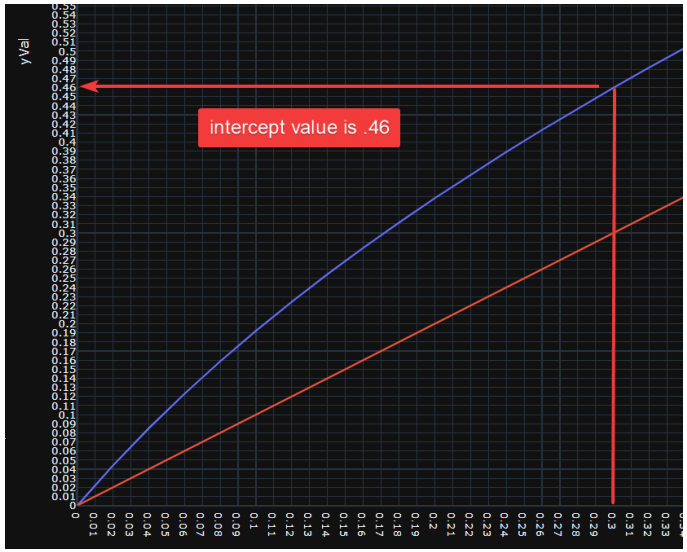
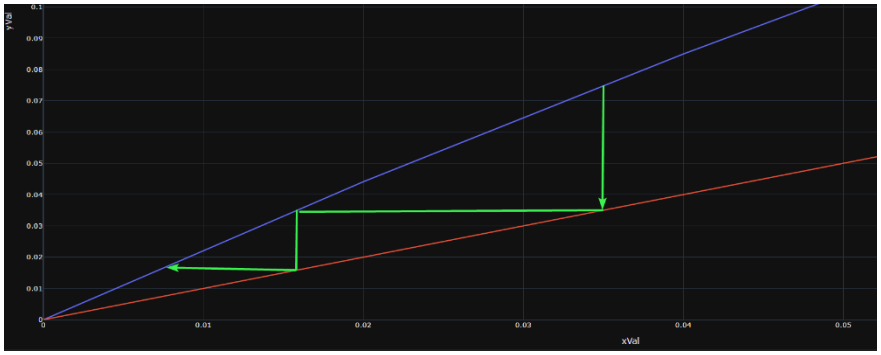
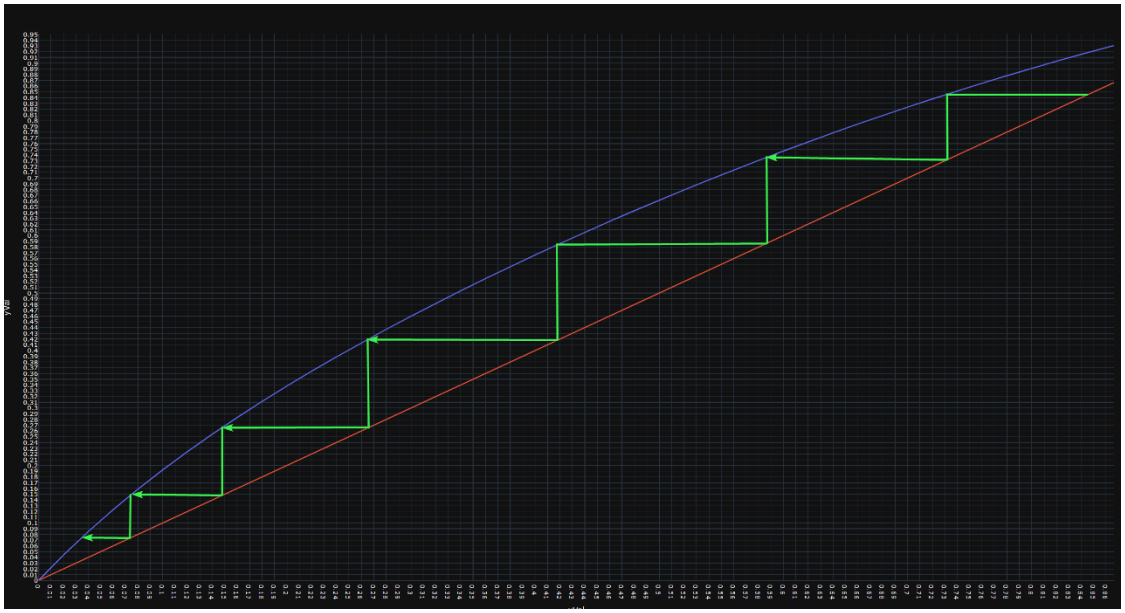
File: https://github.com/hunterviolette/CHE362/blob/master/scripts/hw9.py
Methods: https://github.com/hunterviolette/CHE362/blob/master/scripts/baseFunctions.py

PROBLEM 1 B
MINIMUM 13 TRAYS







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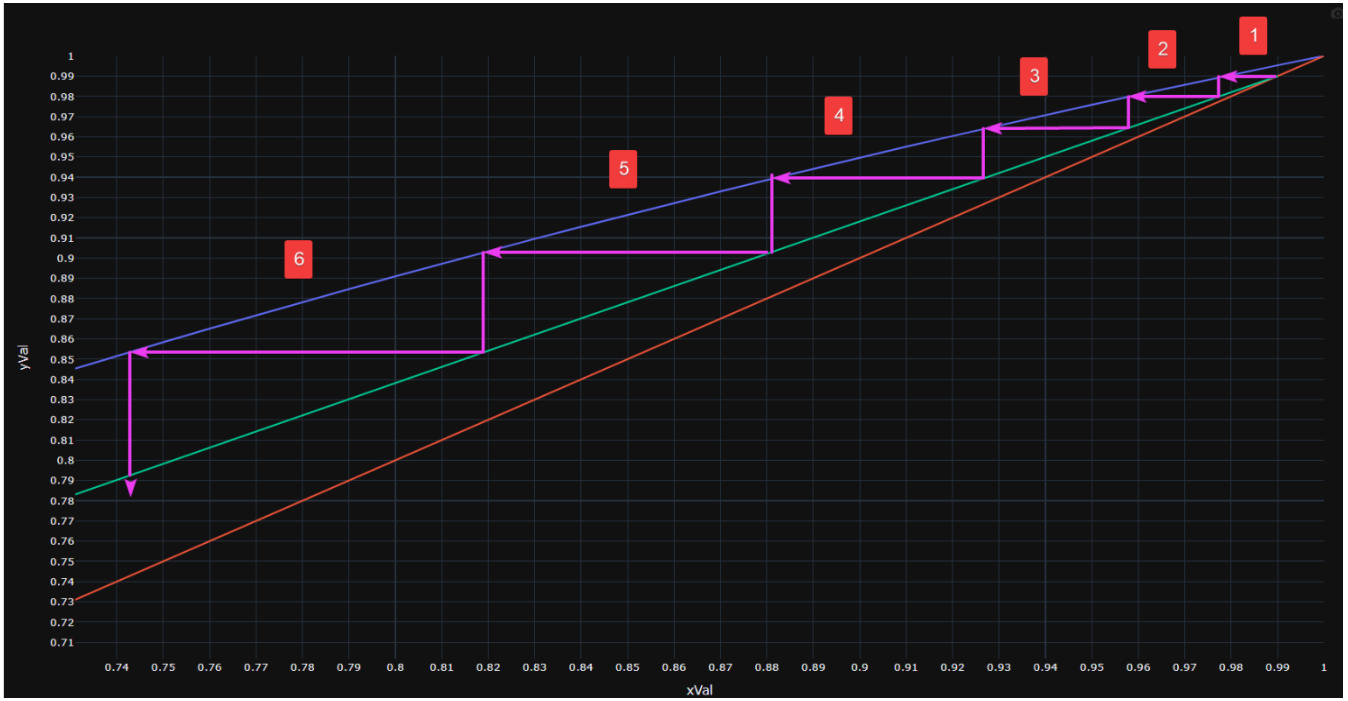
PROBLEM 1 A/B/D

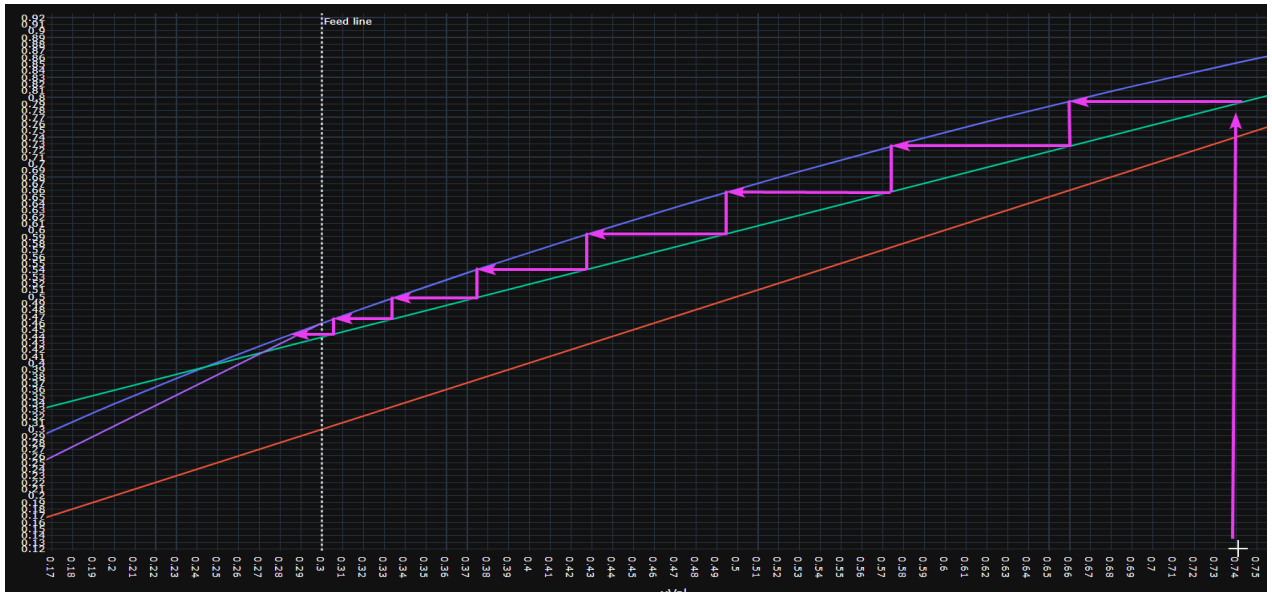
```
Flow rates: {B: 352040.816326531*mole/hour, D: 147959.183673469*mole/hour}
Rmin: 3.31250000000000, R: 3.97500000000000
Part D: 6720.21744968821 kW
```

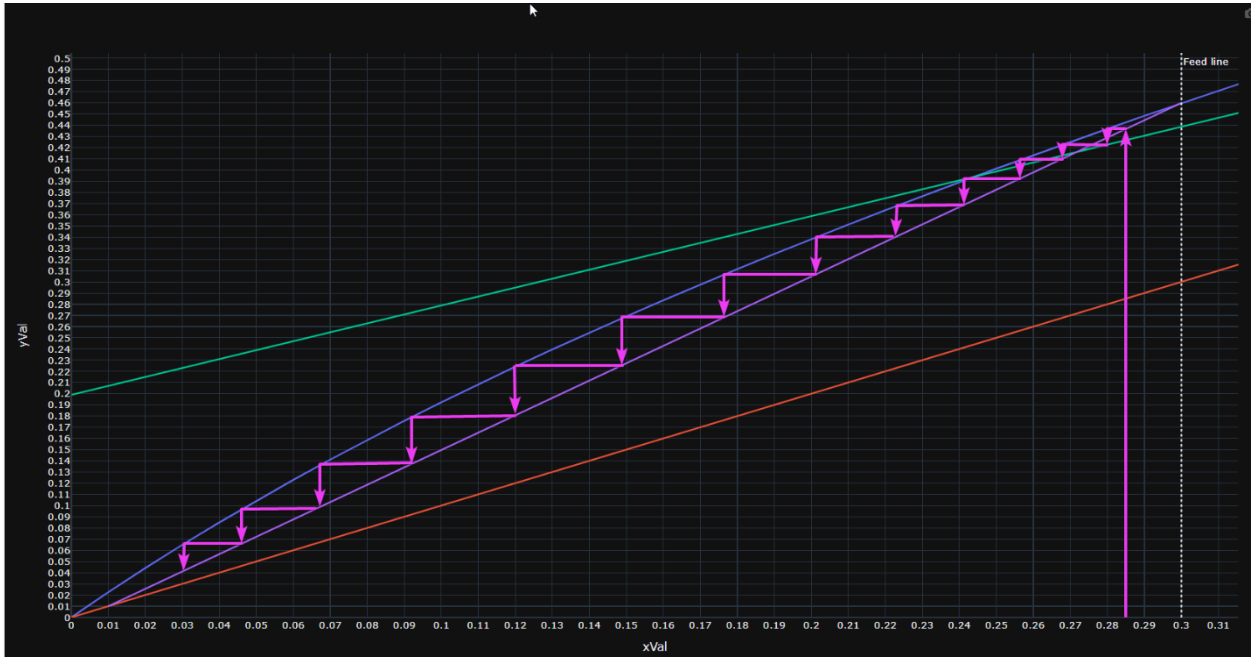
PROBLEM 1C

29 TRAYS, FEED TRAY AT 14

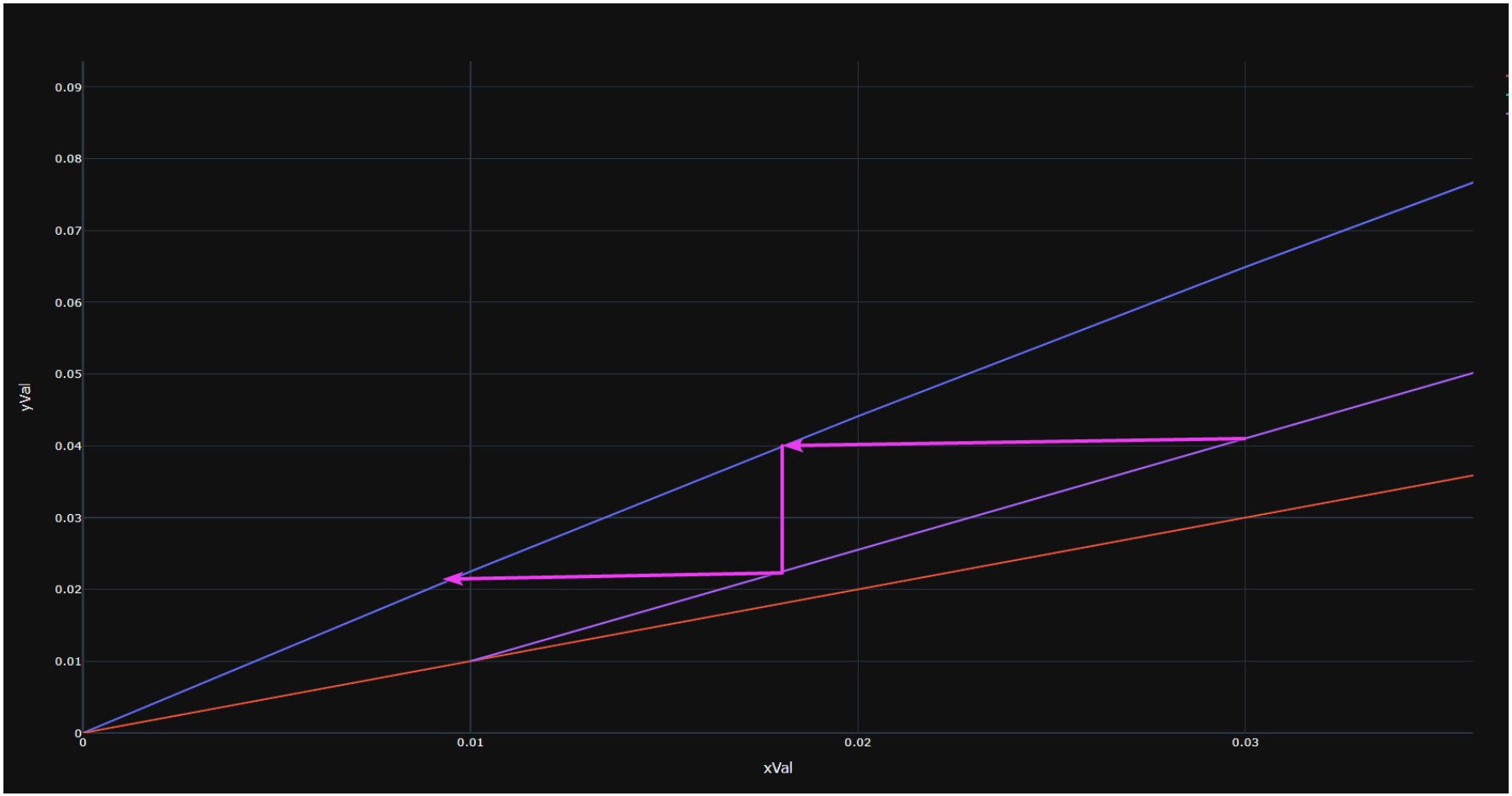


File: https://github.com/hunterviolette/CHE362/blob/master/scripts/hw9.py
Methods: https://github.com/hunterviolette/CHE362/blob/master/scripts/baseFunctions.py





File: https://github.com/hunterviolette/CHE362/blob/master/scripts/hw9.py
Methods: https://github.com/hunterviolette/CHE362/blob/master/scripts/baseFunctions.py



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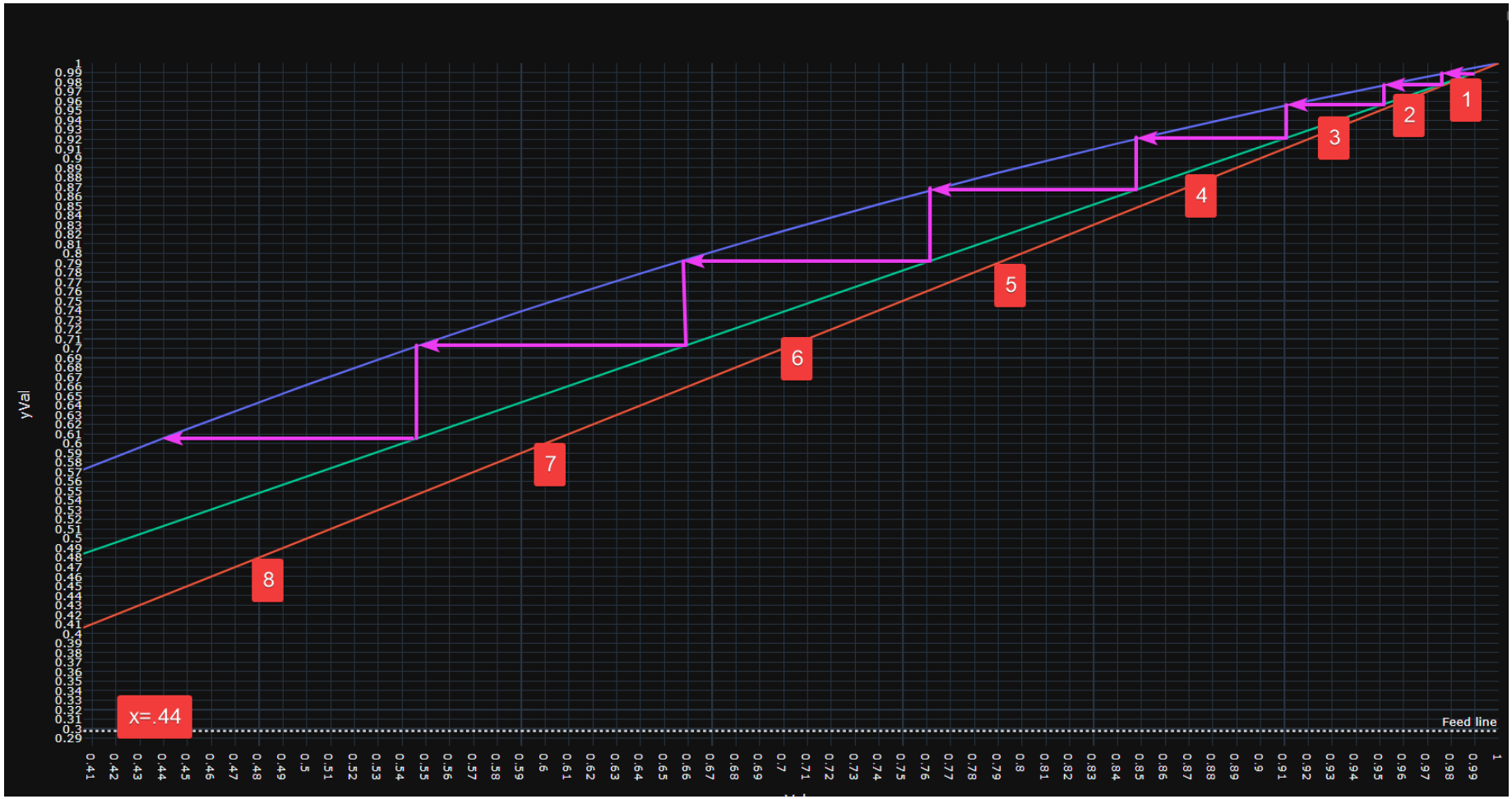
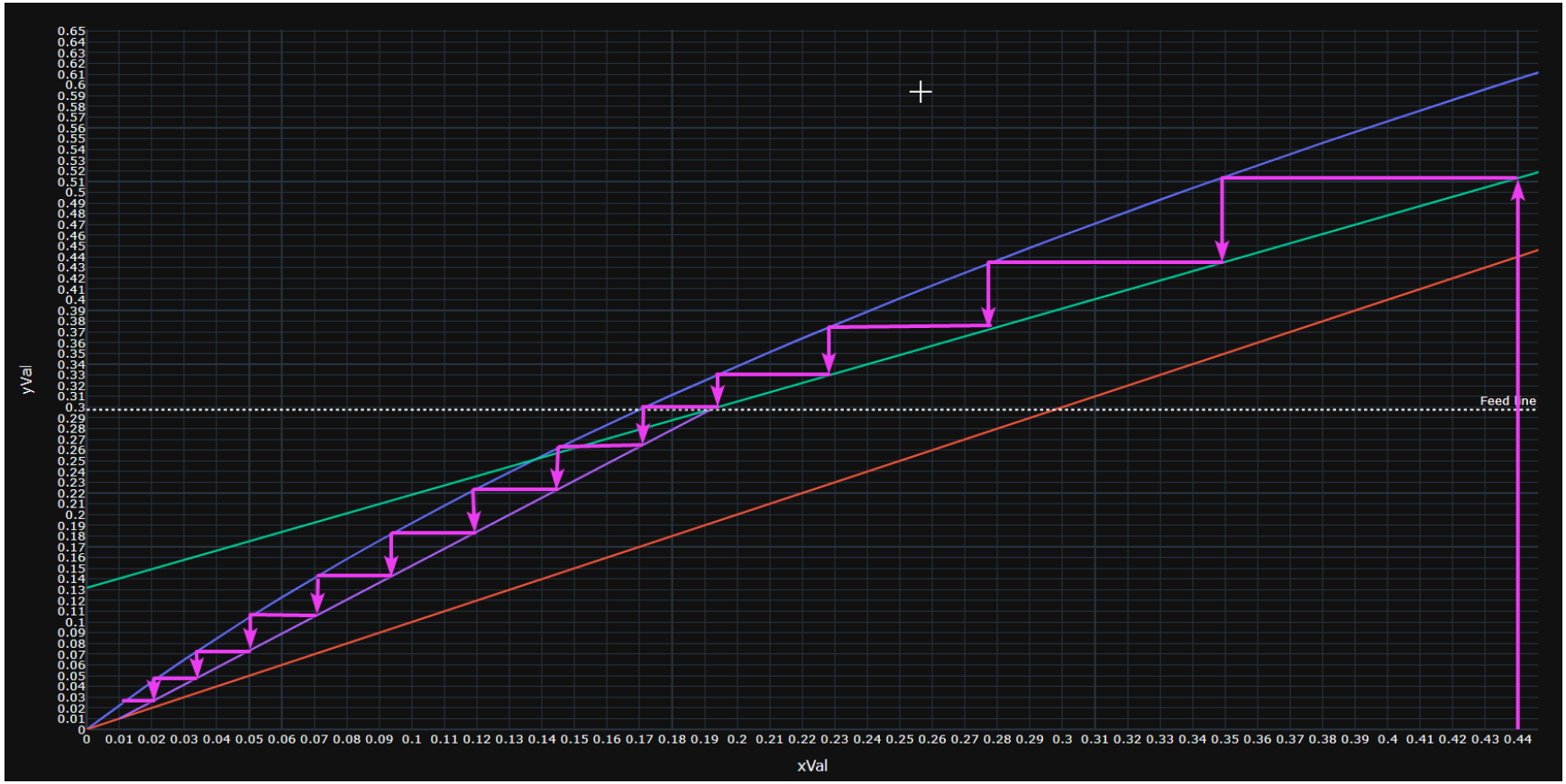
Methods: https://github.com/hunterviolette/CHE362/blob/master/scripts/baseFunctions.py

PROBLEM 2 – 21 STAGES, FEED TRAY AT STAGE 12



File: https://github.com/hunterviolette/CHE362/blob/master/scripts/hw9.py
Methods: https://github.com/hunterviolette/CHE362/blob/master/scripts/baseFunctions.py

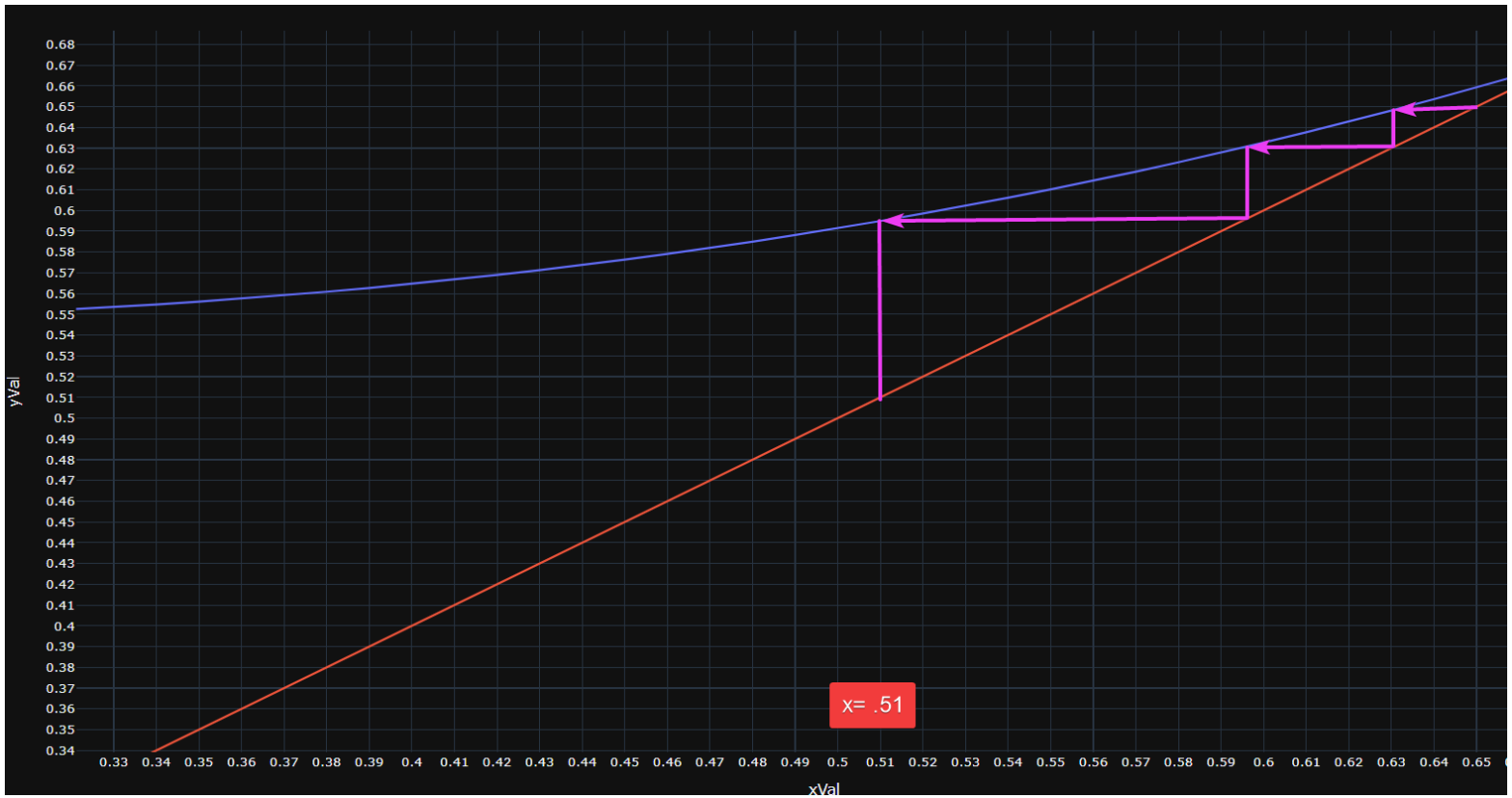



```
Rmin: 5.4263228840125, R: 6.51159874608150
```

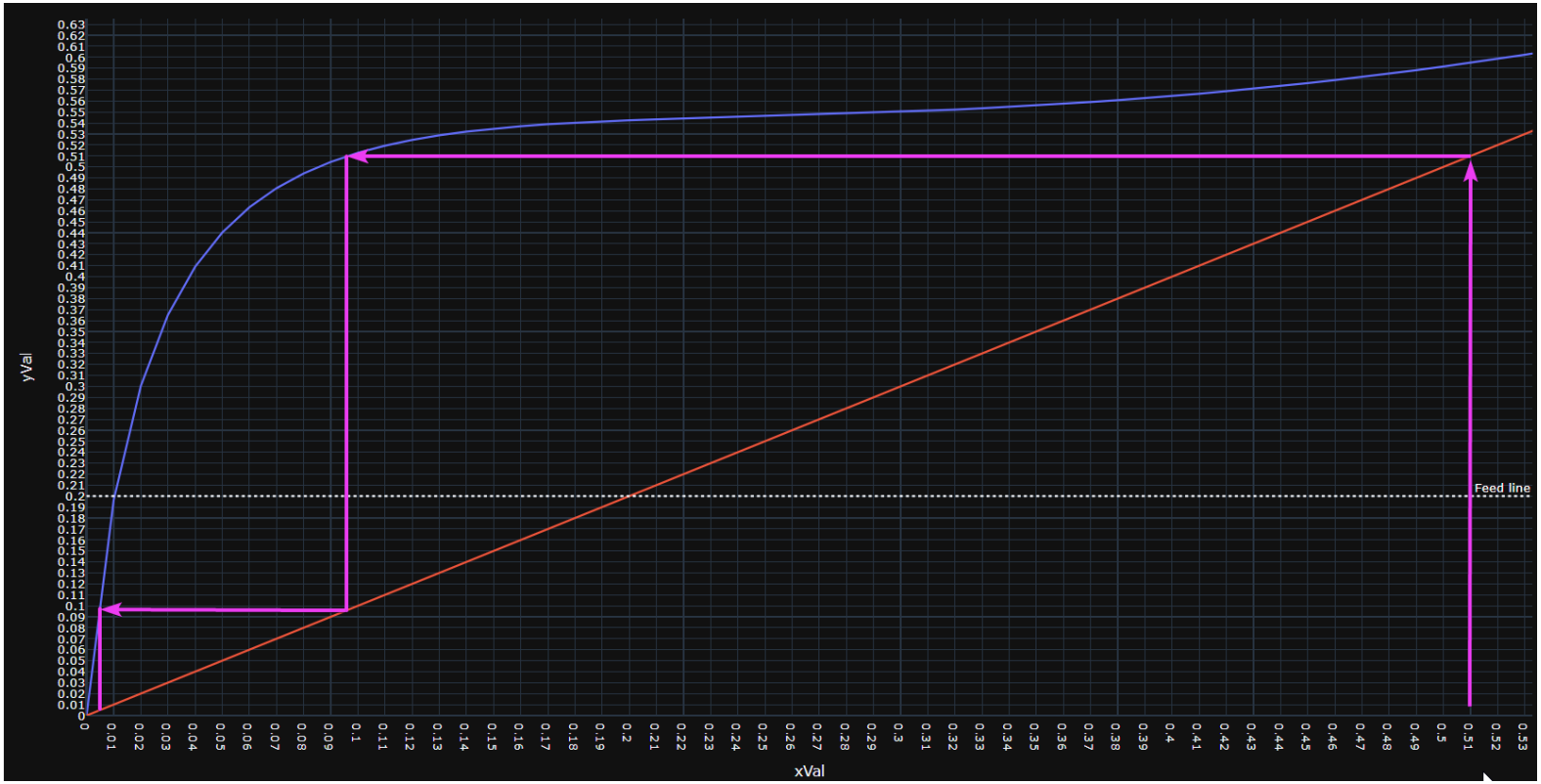
File: https://github.com/hunterviolette/CHE362/blob/master/scripts/hw9.py
Methods: https://github.com/hunterviolette/CHE362/blob/master/scripts/baseFunctions.py

PROBLEM 3 B/C

```
Flow rates: {B: 70312.5*mole/hour, D: 29687.5*mole/hour}
Rmin: 0.666666666666667, R: 1.00000000000000
```



File: https://github.com/hunterviolette/CHE362/blob/master/scripts/hw9.py
Methods: https://github.com/hunterviolette/CHE362/blob/master/scripts/baseFunctions.py



MINIMUM STAGES - 5

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Methods: https://github.com/hunterviolette/CHE362/blob/master/scripts/baseFunctions.py

11 IDEAL TRAYS, FEED TRAY AT STAGE 10