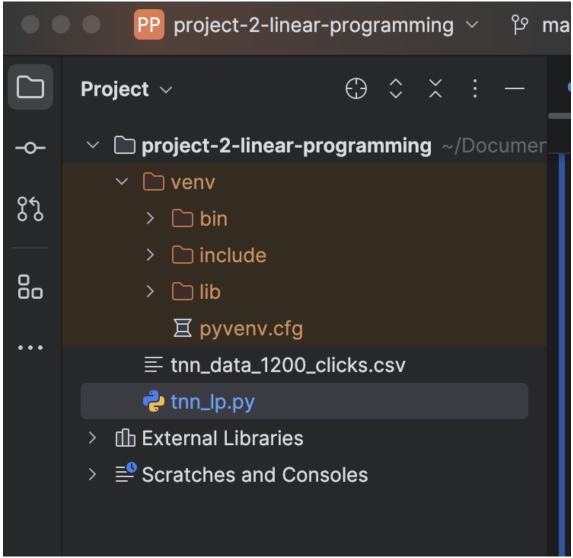
## Project venv



**Output of Objective function** 

```
with the policy of the project variables of the project variables of the policy of the project variables variables
```

## Constraints

```
SUBJECT TO
Include_at_least_1_article_suggested_by_reporter_0: Article_0 + Article_1 >= 1

Amount_of_bonus_articles_must_be_>_than_normal_articles_for_reporter_0:
    - Article_0 - Article_1 + Bonus_articles_of_reporter_0 >= -1

Bonus_articles_for_reporter_0_must_be_positive: Bonus_articles_of_reporter_0
>= 0

Include_at_least_1_article_suggested_by_reporter_1: Article_2 + Article_3
    + Article_4 + Article_5 >= 1

Amount_of_bonus_articles_must_be_>_than_normal_articles_for_reporter_1:
    - Article_2 - Article_3 - Article_4 - Article_5
    + Bonus_articles_of_reporter_1 >= -1

Bonus_articles_of_reporter_1_must_be_positive: Bonus_articles_of_reporter_1
>= 0

Include_at_least_1_article_suggested_by_reporter_2: Article_6 + Article_7 >= 1
```

```
Amount_of_bonus_articles_must_be_>_than_normal_articles_for_reporter_2:
 - Article_6 - Article_7 + Bonus_articles_of_reporter_2 >= -1
Bonus_articles_for_reporter_2_must_be_positive: Bonus_articles_of_reporter_2
 >= 0
Minimum_clicks_constraint: 3200 Article_0 + 2500 Article_1 + 2800 Article_2
 + 1100 Article_3 + 2300 Article_4 + 4000 Article_5 + 900 Article_6
 + 3600 Article_7 >= 1200
At_least_1_article_of_type_L_constraint: Article_3 + Article_7 >= 1
Article_type_L_cannot_have_more_than_half_Article_0__Article_1__Article_2__Article_3__Article_4__Article_5__Article_6__Article_7:
 - 0.5 Article_0 - 0.5 Article_1 - 0.5 Article_2 + 0.5 Article_3
 - 0.5 Article_4 - 0.5 Article_5 - 0.5 Article_6 + 0.5 Article_7 <= 0
Two_or_more_articles_of_type_L: - 0.5 Article_3 - 0.5 Article_7
 + Bonus_articles_of_type_L <= 0
Article_of_type_L_can't_be_negative: Bonus_articles_of_type_L <= 1
At_least_1_article_of_type_E_constraint: Article_1 + Article_5 >= 1
Article_type_E_cannot_have_more_than_half_Article_0___Article_1___Article_2___Article_3___Article_4___Article_5___Article_6___Article_7:
- 0.5 Article_0 + 0.5 Article_1 - 0.5 Article_2 - 0.5 Article_3
- 0.5 Article_4 + 0.5 Article_5 - 0.5 Article_6 - 0.5 Article_7 <= 0
Two_or_more_articles_of_type_E: - 0.5 Article_1 - 0.5 Article_5
+ Bonus_articles_of_type_E <= 0
Article_of_type_E_can't_be_negative: Bonus_articles_of_type_E <= 1
At least 1 article of type S constraint: Article 2 + Article 6 >= 1
Article_type_S_cannot_have_more_than_half_Article_0___Article_1___Article_2___Article_3__Article_4__Article_5__Article_6__Article_7:
- 0.5 Article_0 - 0.5 Article_1 + 0.5 Article_2 - 0.5 Article_3
- 0.5 Article_4 - 0.5 Article_5 + 0.5 Article_6 - 0.5 Article_7 <= 0
Two_or_more_articles_of_type_S: - 0.5 Article_2 - 0.5 Article_6
+ Bonus_articles_of_type_S <= 0
Article_of_type_S_can't_be_negative: Bonus_articles_of_type_S <= 1
At_least_1_article_of_type_G_constraint: Article_0 + Article_4 >= 1
Article_type_G_cannot_have_more_than_half_Article_0___Article_1___Article_2___Article_3___Article_4___Article_5___Article_6___Article_7:
0.5 Article_0 - 0.5 Article_1 - 0.5 Article_2 - 0.5 Article_3 + 0.5 Article_4
```

```
Article_type_G_cannot_have_more_than_half_Article_0__Article_1__Article_2__Article_3__Article_4__Article_5__Article_6__Article_7:
0.5 Article_0 - 0.5 Article_1 - 0.5 Article_2 - 0.5 Article_3 + 0.5 Article_4
- 0.5 Article_5 - 0.5 Article_6 - 0.5 Article_7 <= 0

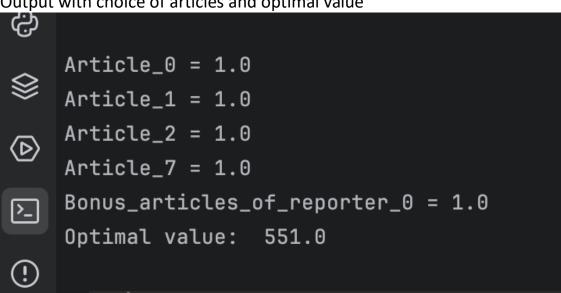
Two_or_more_articles_of_type_6: - 0.5 Article_0 - 0.5 Article_4
+ Bonus_articles_of_type_6 <= 0

Article_of_type_G_can't_be_negative: Bonus_articles_of_type_6 <= 1
```

## **Variables**

```
VARIABLES
0 <= Article_0 <= 1 Integer
0 <= Article_1 <= 1 Integer
0 <= Article_2 <= 1 Integer
0 <= Article_3 <= 1 Integer
0 <= Article_4 <= 1 Integer
0 <= Article_5 <= 1 Integer
0 <= Article_6 <= 1 Integer
0 <= Article_7 <= 1 Integer
0 <= Bonus_articles_of_reporter_0 Integer</pre>
0 <= Bonus_articles_of_reporter_1 Integer</pre>
0 <= Bonus_articles_of_reporter_2 Integer</pre>
0 <= Bonus_articles_of_type_E <= 1 Integer</pre>
0 <= Bonus_articles_of_type_G <= 1 Integer</pre>
0 <= Bonus_articles_of_type_L <= 1 Integer</pre>
0 <= Bonus_articles_of_type_S <= 1 Integer</pre>
```

Output with choice of articles and optimal value



Math	Stuff
	A P
	Minimite ( Z. Selected article [c] + Z. 100 - reporters bonus criticles (r)
	ECESTS In Low bonus crticle [t]
	Le C'I La types - bonue crticles [t]
	Vandela Selected - article [c] E {0,1}
7	Selected - article LCJ E ( 7 Set of 7
<b>D</b>	Selected - Orticle [c] E [O, 1]  Selected - Orticle [c] E [T]  reporters _ Sonus - Orticles [r] E [T]  Types - Sonus - Orticles [t] E [O, 1]  Types - Sonus - Orticles [t] E [O, 1]
D	types-bonus-articles [t] ( {0,13
D	
	Subject to:
	Subject to:  Constraint 2: at least 2 catticle suggested  Least 1 sex each ruported  R A
	where E01123 \$\frac{7}{5!} \frac{7}{5!} \text{Selected-crticle[a][r]} >= I
D	r teonic) Li Delected - criticle lass.
D	
	Constraint 2: Minimum clicks
ed.	Selected - article [a] o row ["Chies"] >= 1200
	a=1
1	

