To be elected as a senate/senator a candidate needs to gain a quota of the formal votes.

quota = I number of formal ballot papers

floor

floor

Gase Scenario:

His Here exists 6 candidates & 3 senators to

be elected & 100 ballot papers then,

quota =  $\left[\frac{100}{43} + 1\right] + 1$ =  $\left[\frac{100}{4}\right] + 1$ = 25 + 1

If one candidate achieves 20 votes in preference 1, then they get elected as they achieve more than the quota minimum.

Candidates: A B C D

[I] [2] [3] [4]

(unrent Total => 30 votes intotal votes in total in total in total

Their 2nd preference condidate B si will receive the overflow of votes. However condition candidate B has achieved 30 votes so it is actually candidate C who has only 20 votes intotal for their, preference that gets the overflow of and and set of the overflow of the set of the set of the overflow of the set of the overflow of the set of the overflow of votes. Current Previous 15+ . A B C D
Preference votes: 30 30 20 10

candidate B's overflow Non me calculate

for the ballot paper.

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Surplus =  $30.1\overline{3} - 26 = 4.1\overline{3}$ transfer\_value =  $\frac{4.1\overline{3}}{30.1\overline{3}} \approx 0.1372$ 

Now candidate C's 1st preference value is 20.1372 so from 1 ballet paper, we get:

Results A B C D D

- 100 30.13 20.1372 10

For above the line, parties will be counted like and whates below the line. Same thing different label.

For parties: A B C D

Above the line

The G D

Candidates: D

10

The party preferences flow into below the line candidates & fill up like above.

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| Another points | y example | rle:     |           |            |
|----------------|-----------|----------|-----------|------------|
| ,              | d A       | B        | c         | D          |
|                | A Party   | D) Party | 3 Party C | 1) Party D |
| ABOVE THE LINE |           |          |           |            |
| BELOW THE LINE | 19 name   | [3] name | 5 name    | 11 name    |
|                | [10] name | A name   | 6 name    | 2 nome     |
|                | (1) name  |          | 17 name   |            |
|                |           |          | [8] name  |            |
|                |           |          | 1         |            |