Geometric Representation of Profiles

Profile 1
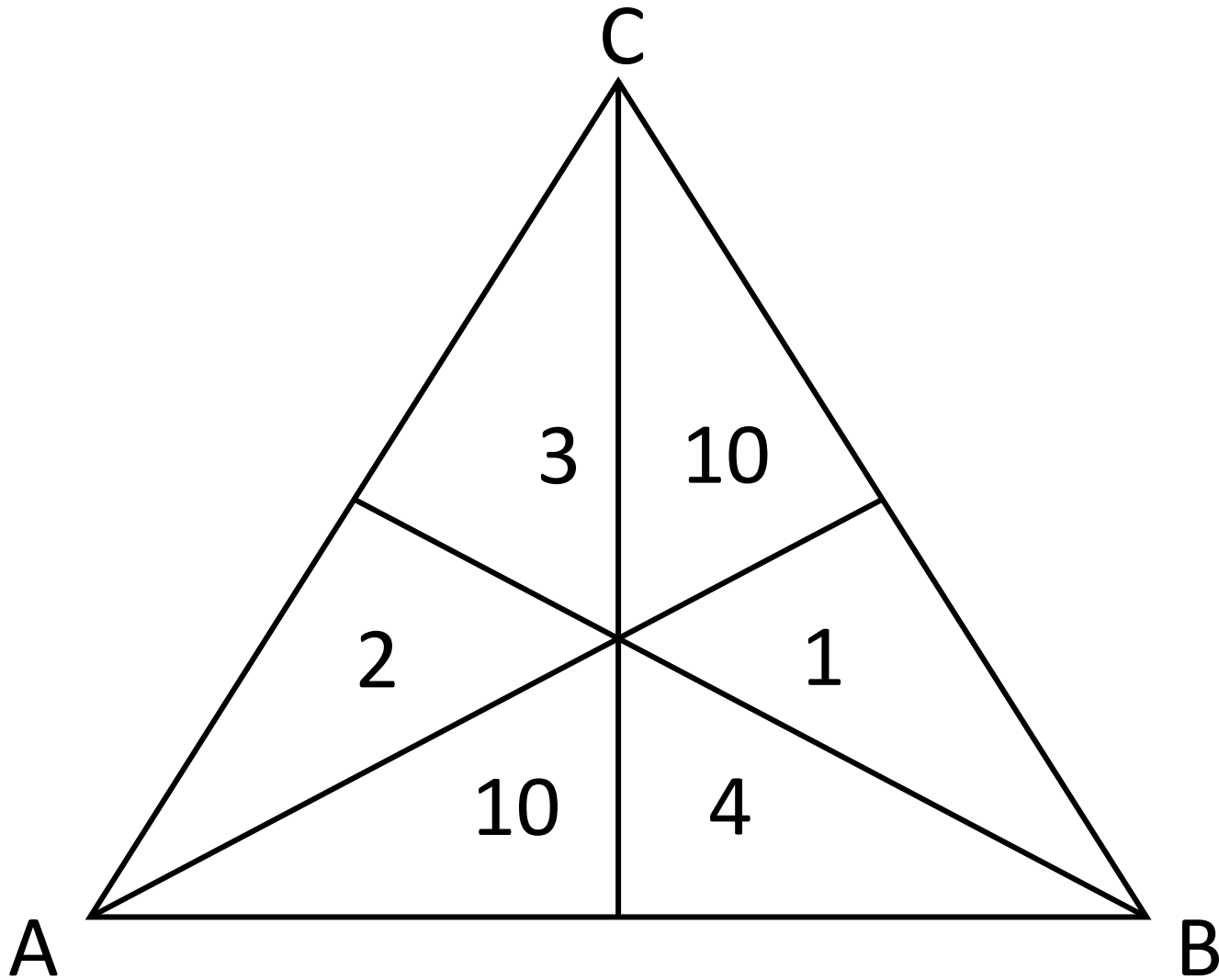
10	A>B>C
2	A>C>B
4	B>A>C
1	B>C>A
3	C>A>B
10	C>B>A

Profile 1
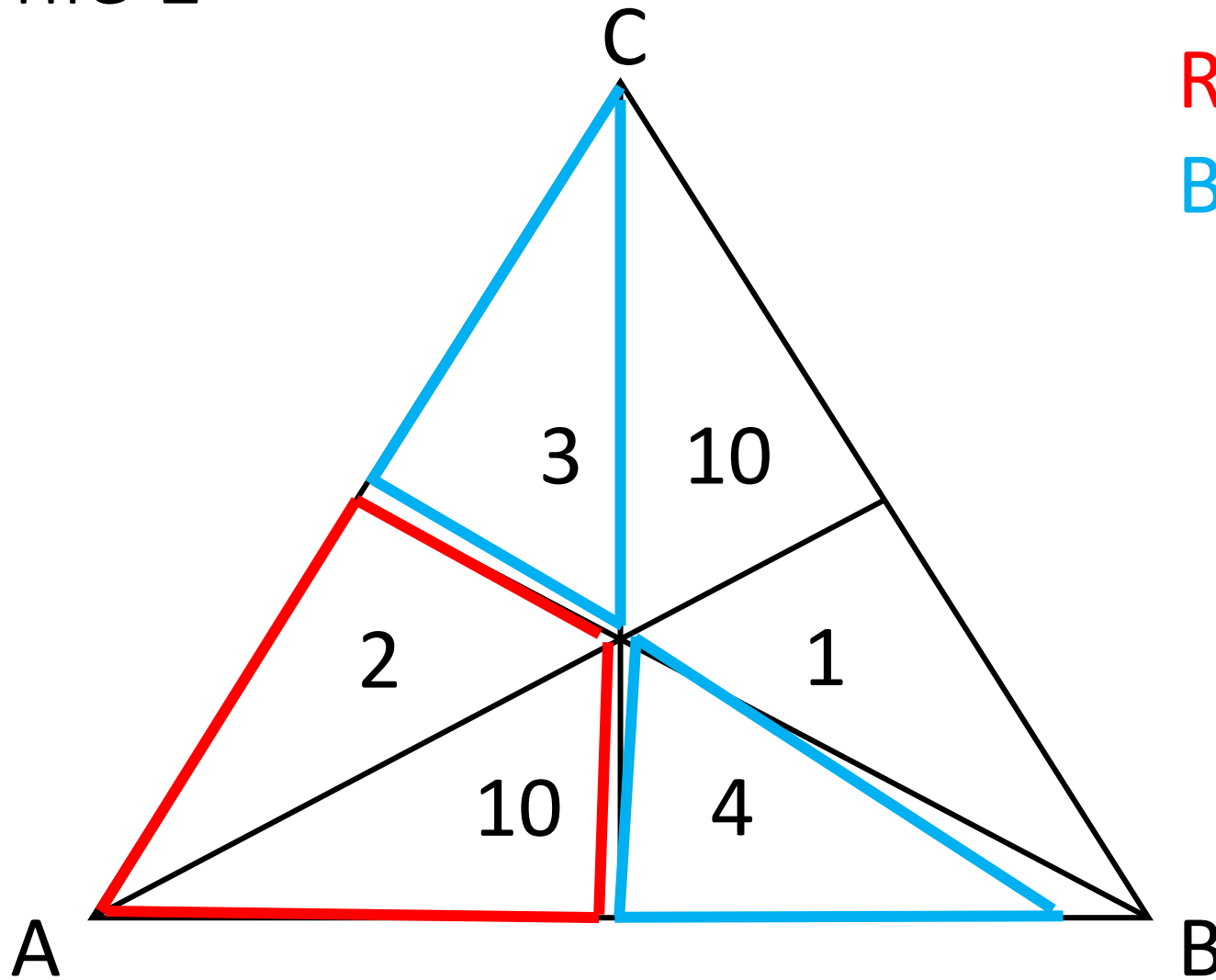
Red is A in first
Blue is A in second
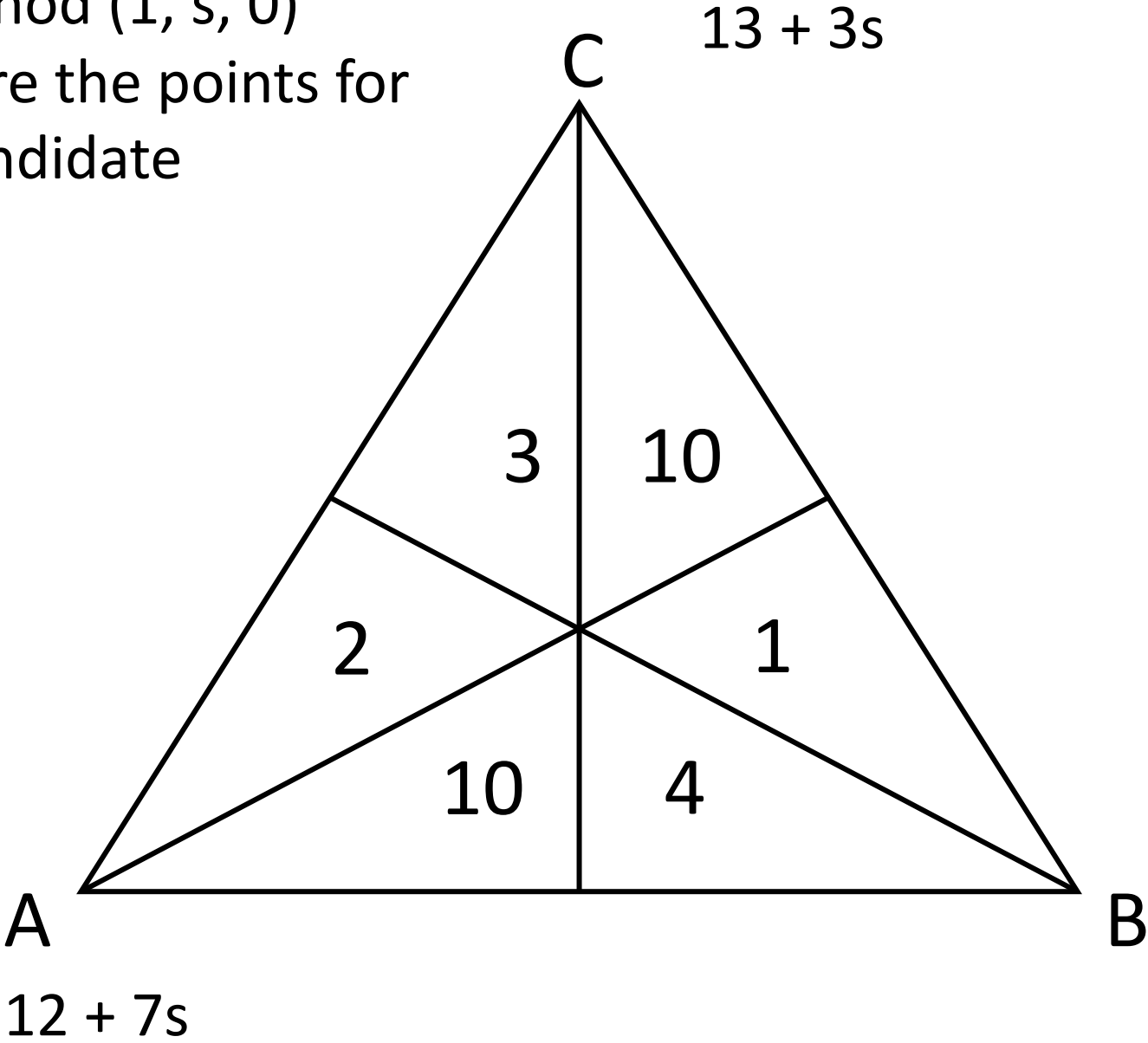
Any positional method for 3 candidates can be represented by (1, s, 0), where $0 \le s \le 1$.
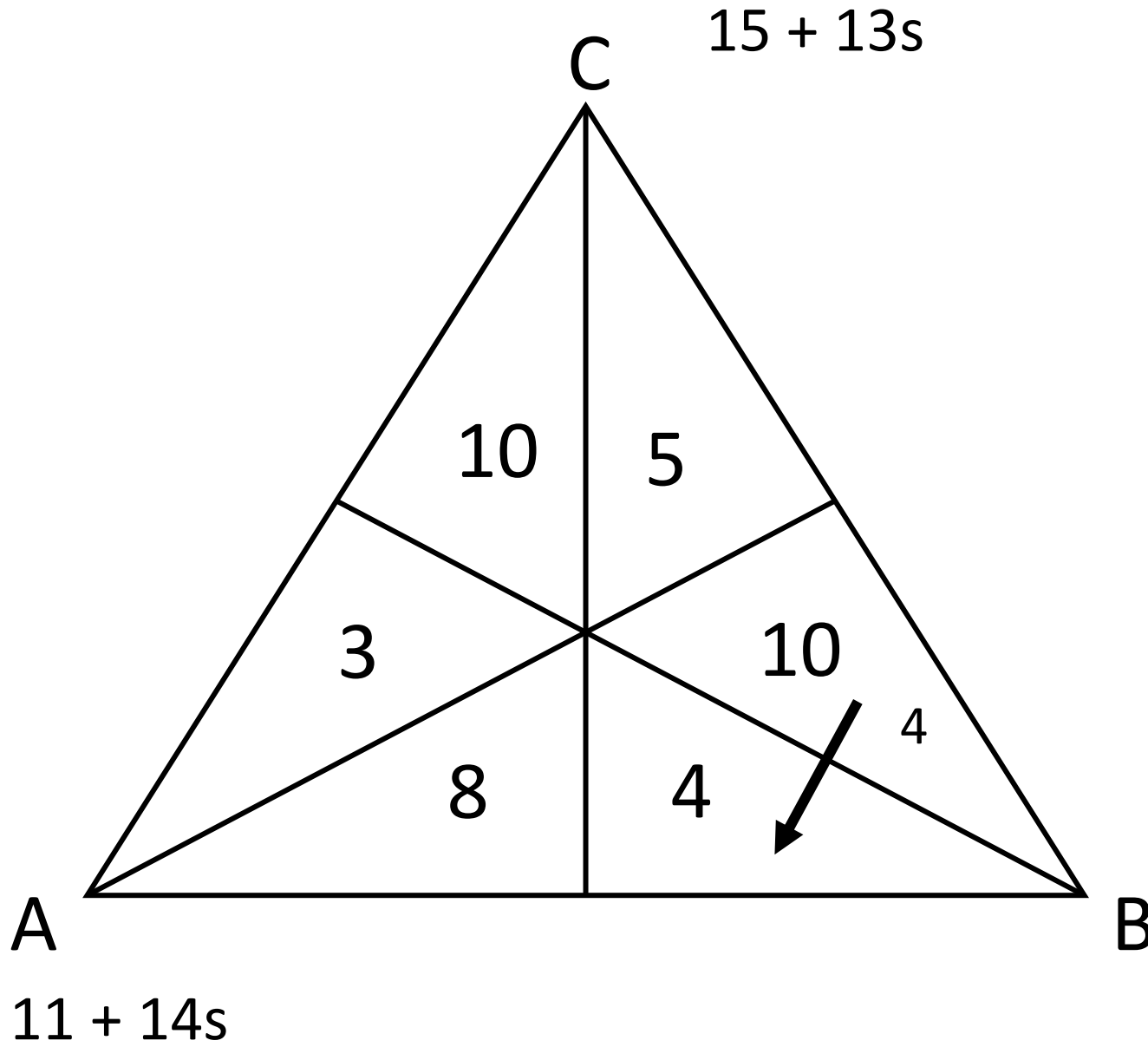
Plurality: $s = 0$

Antiplurality: $s = 1$

Borda Count: $s = \frac{1}{2}$ (so $(1, \frac{1}{2}, 0)$ is equivalent to $(2, 1, 0)$

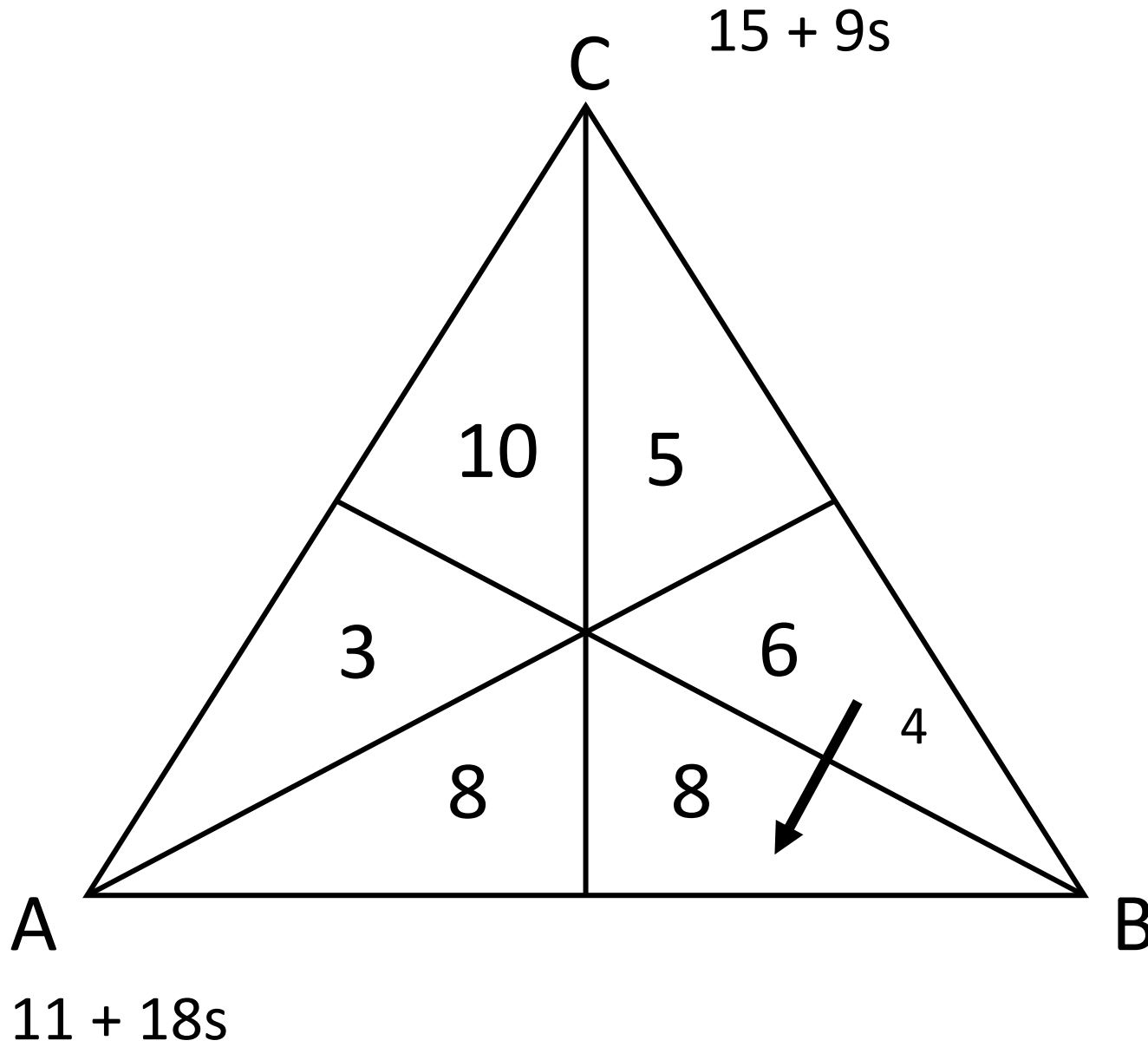For method (1, s, 0)
These are the points for each candidate

C
13 + 3s

Pl	AP	BC
C-13	B-25	A-31
A-12	A-19	B-30
B-5	C-15	C-28

3   10

2   1

10   4

A
12 + 7s

B
5 + 20s

15 + 13s

C

10 | 5

3 | 10

8 | 4 | 4

A

11 + 14s

B

14 + 13s

Pl	AP	BC
C-15	C-28	C-43
B-14	B-27	B-41
A-11	A-25	A-46

15 + 9s

C

Pl AP BC
C-15 A-29 B-41
B-14 B-27 A-40
A-11 C-24 C-39

10 5

3 6

4

8 8

A

11 + 18s

B

14 + 13s