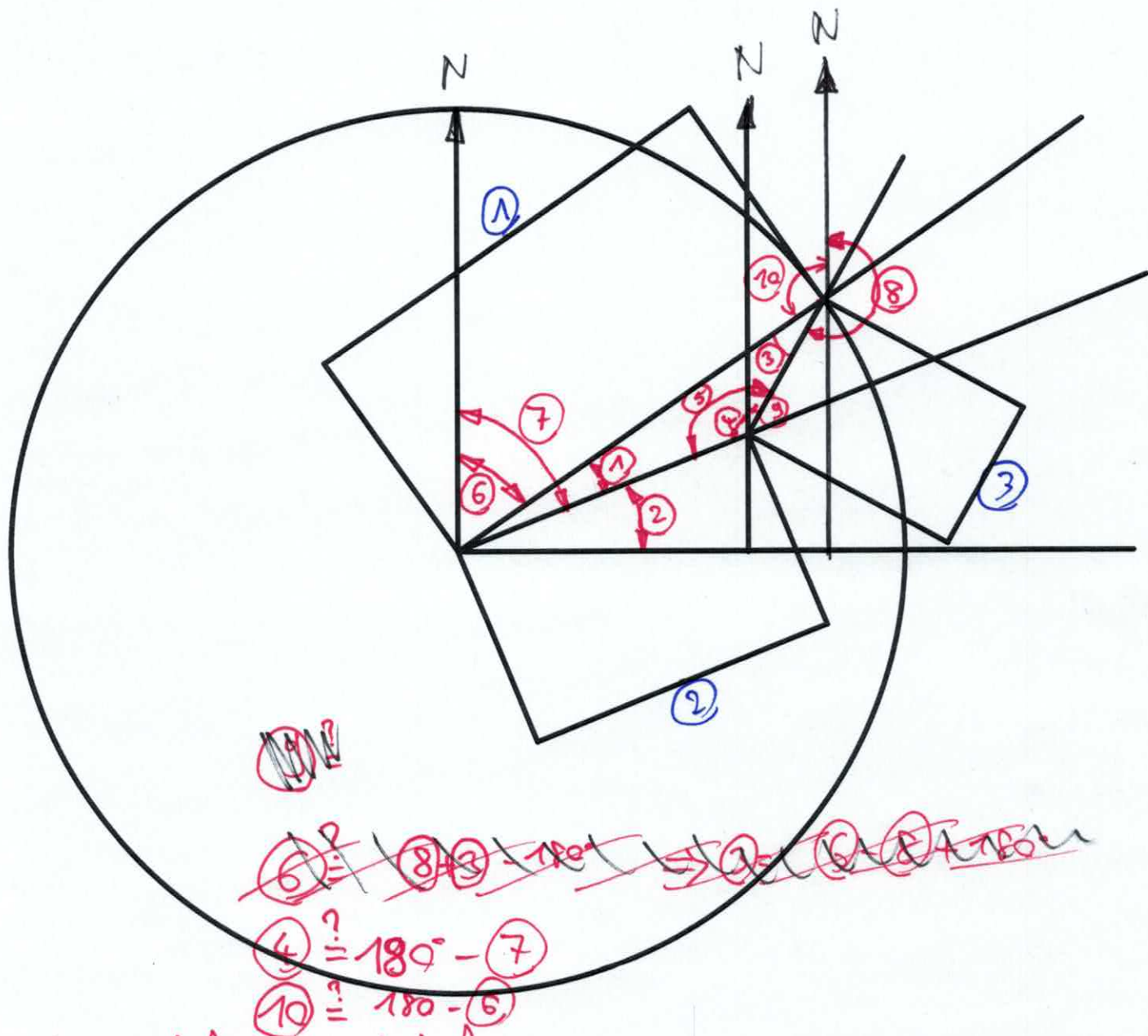


$$\frac{\text{Relv charge } (3)}{\sin(1)} = \frac{\text{RAVG } (1)}{\sin(5)} = \frac{(2)?}{\sin(3)}$$

$$\sin(1) = \sin(\text{End Azem} - \text{Start Azem})$$



✓ (1) = End Azem - Start Azem

✓ (6) = Start Azem

✓ (7) = End Azem

✓ (1) = Rang

✓ (2) = $90^\circ - \text{End Azem}$

✓ (8) = orientation

(3) = $360^\circ - (8) - (10)$

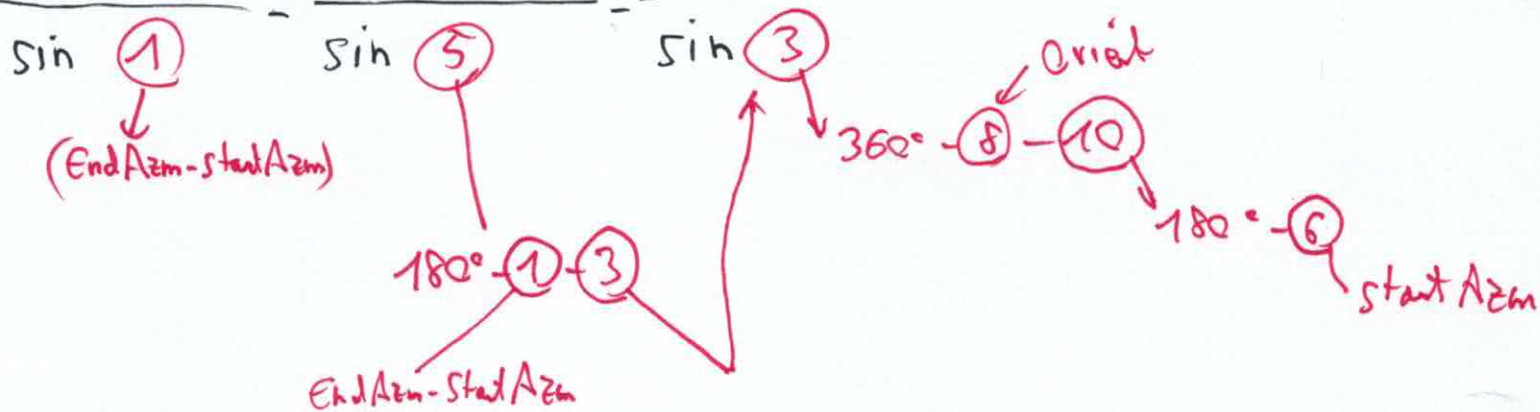
(5) = $180^\circ - (1) - (3)$

~~(9) = (5) - (4) = (5) - (9) - (4)~~

3 Vector

1 Rang

2



$$\frac{\text{Vector}}{\sin(\text{End Azem} - \text{start Azem})} = \frac{\text{Rang}}{\sin((180^\circ - (\text{End Azem} - \text{start Azem}) - (360^\circ - \text{Orient}) - (180^\circ - \text{start Azem}))}$$

$$= \frac{\text{Rang}}{\sin(180^\circ - \text{End Azem} + \text{start Azem} - 360^\circ + \text{Orient} + 180^\circ + \text{start Azem})}$$

$$\sin(180^\circ - \text{End Azem} + \text{start Azem} - (360^\circ - \text{Orient} - 180^\circ + \text{start Azem}))$$

Rang

$$\sin(180^\circ - \text{End Azem} + \text{start Azem} - 360^\circ + \text{Orient} + 180^\circ + \text{start Azem})$$

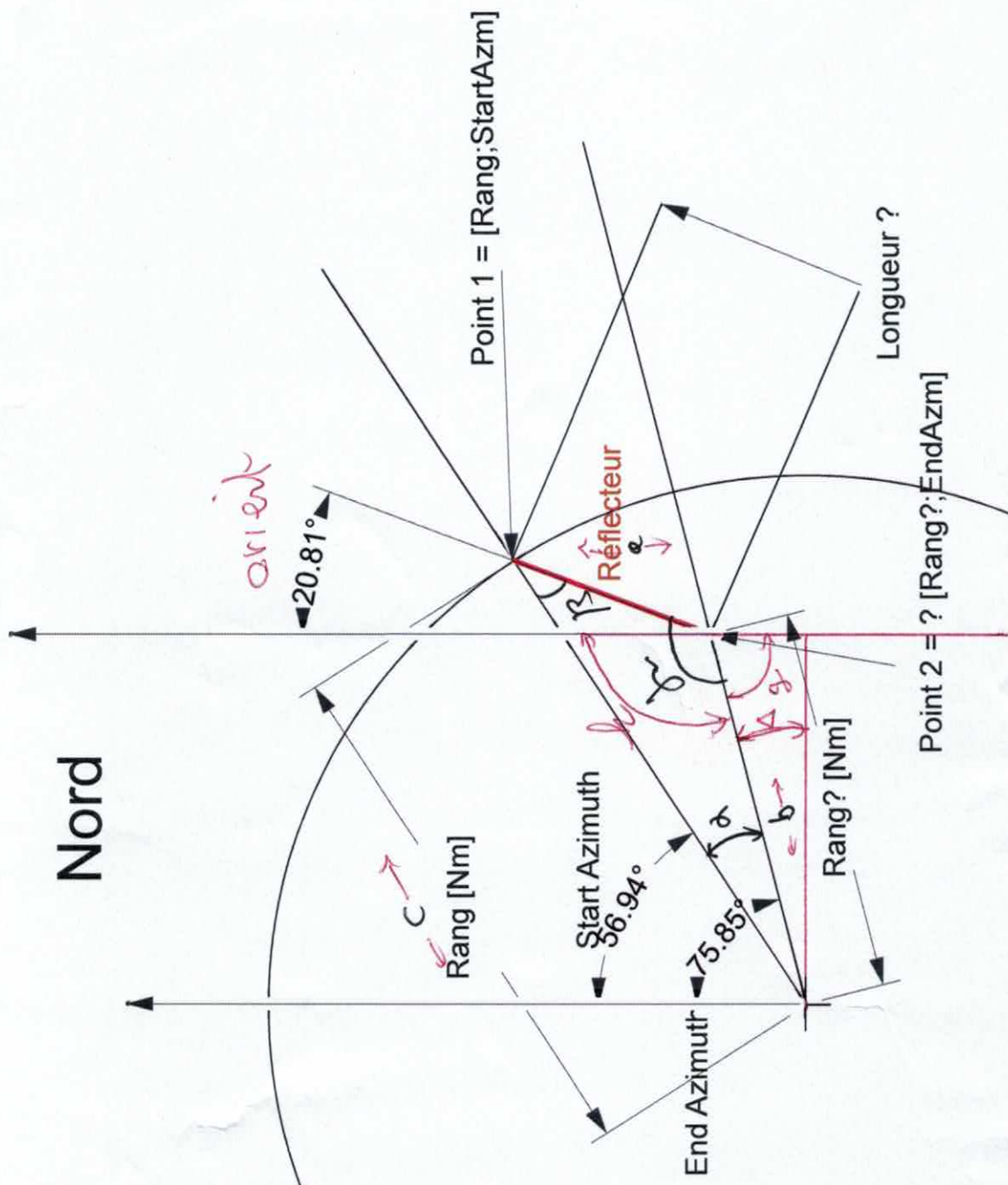
Rang

$$\sin(-\text{End Azem} + \text{Orient})$$

Vector

$$\frac{\sin(\text{End Azem} - \text{start Azem})}{\sin(\text{Orient} - \text{End Azem})} = \frac{\text{Rang}}{\sin(\text{Orient} - \text{End Azem})}$$

$$\text{Vector} = \frac{\text{Rang} \cdot \sin(\text{End Azem} - \text{start Azem})}{\sin(\text{Orient} - \text{End Azem})}$$



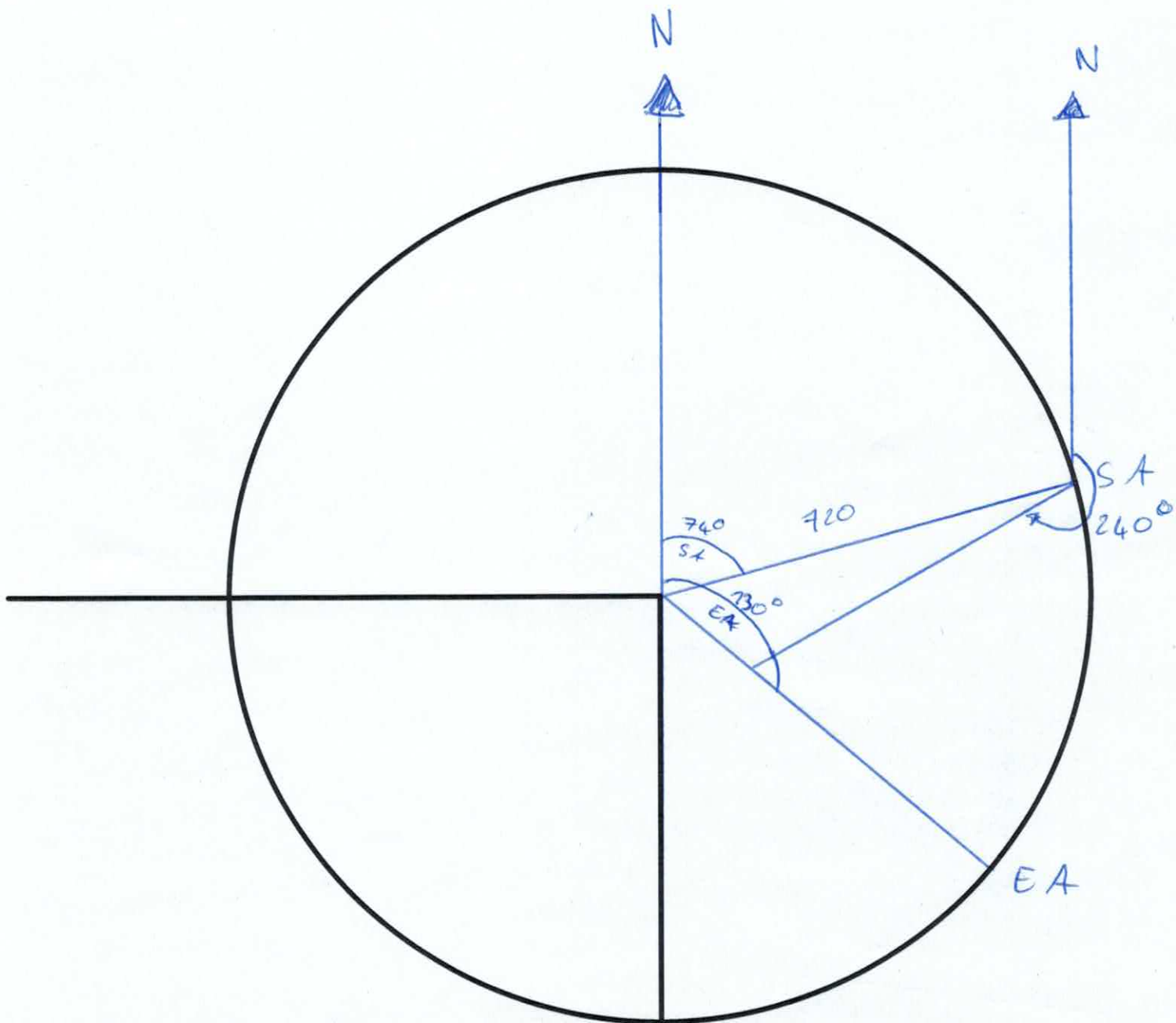
$$\frac{a}{\sin \alpha} = \frac{b}{\sin \beta} = \frac{d}{\sin \gamma}$$

$$\Delta = 90 - (\text{End Azim} - \text{Start Azim})$$

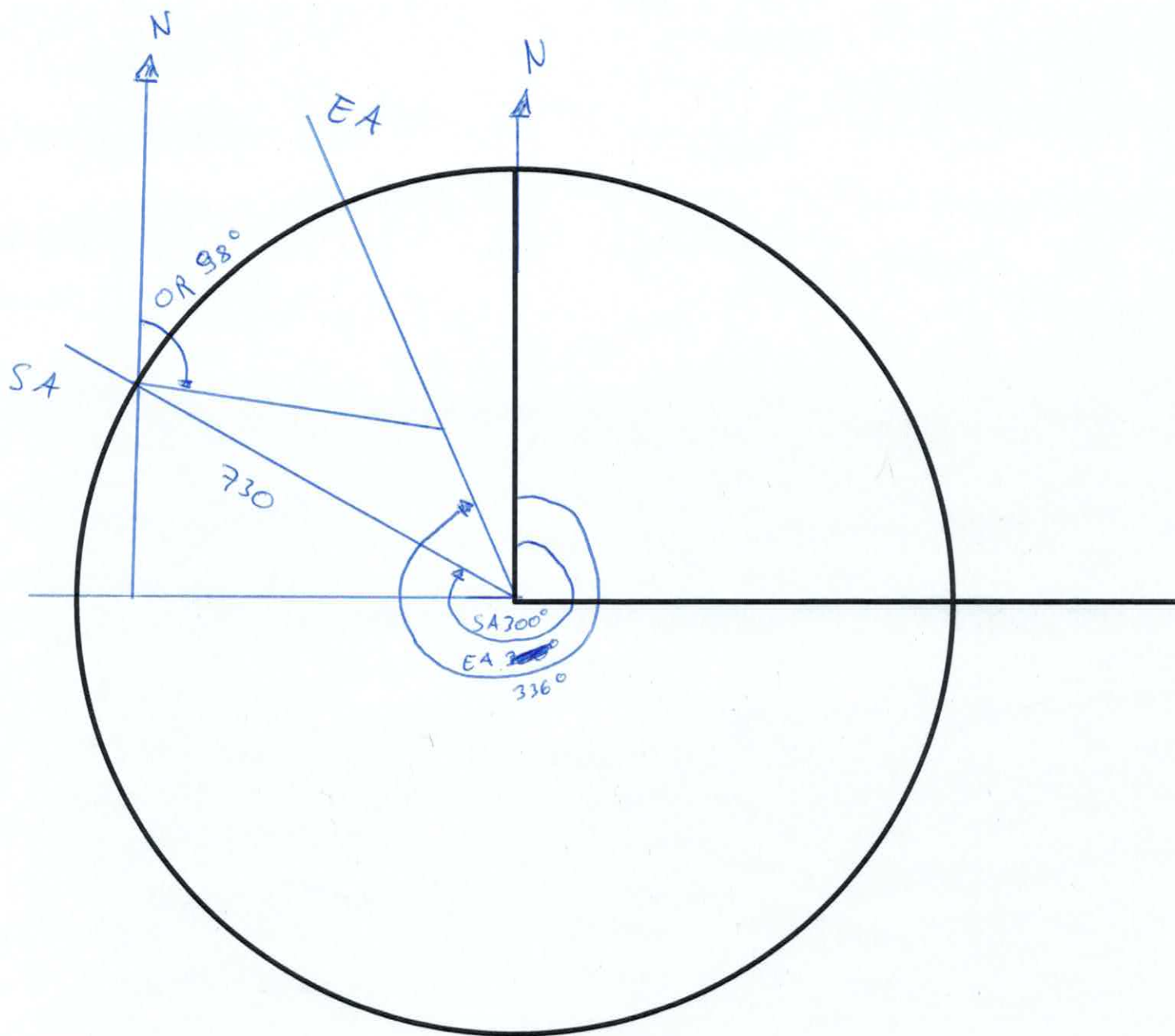
$$g = 180 - \Delta$$

$$k = 180 - g$$

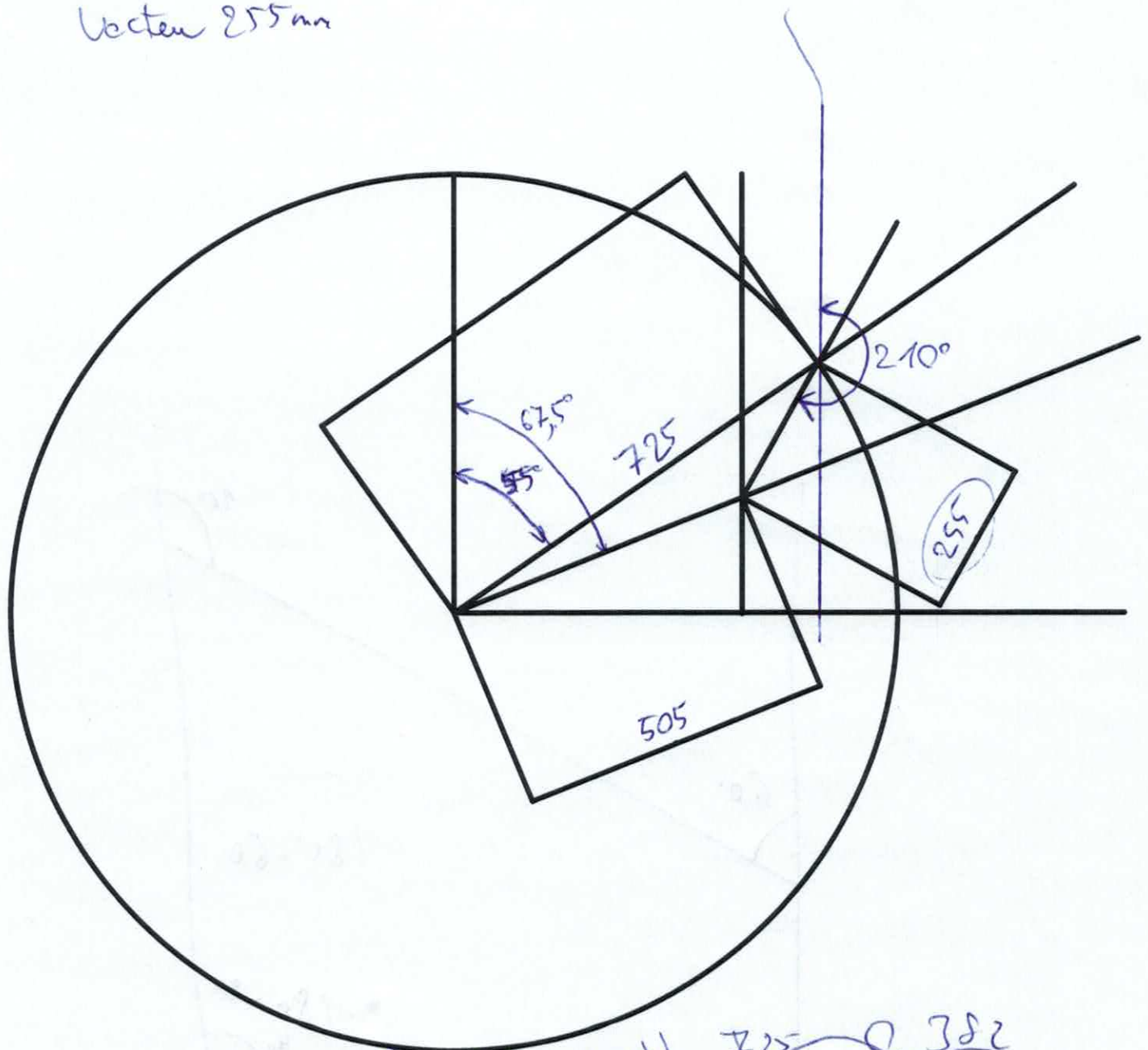
- $\Delta = \text{End Azim} - \text{Start Azim}$
- $\beta = \text{Orientation}$
- $C = \text{Rang} = 90$
- $\gamma = k + \text{orient}$



$$V = \frac{\text{range} \cdot (\sin(EA - SA))}{\sin(\alpha - EA)}$$



Start Azim 45°
 End Azim 67.5°
 Range 725mm
 Orical 210°
 Vector 255mm



$$\text{Vector} = \frac{725 \cdot (\sin(67.5^\circ - 45^\circ))}{\sin(210^\circ - 67.5^\circ)}$$

725 \rightarrow 0.382
 0.608