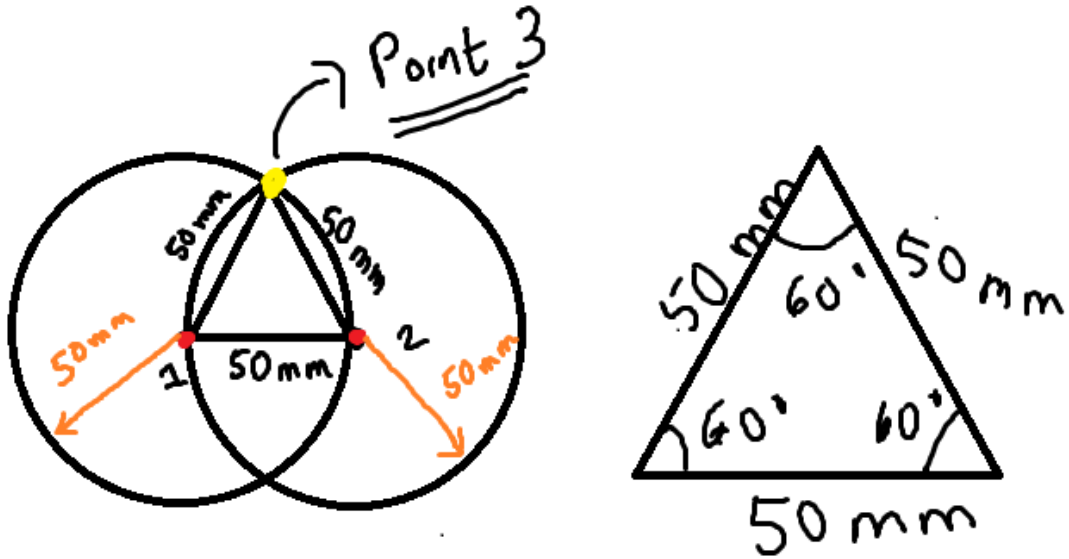
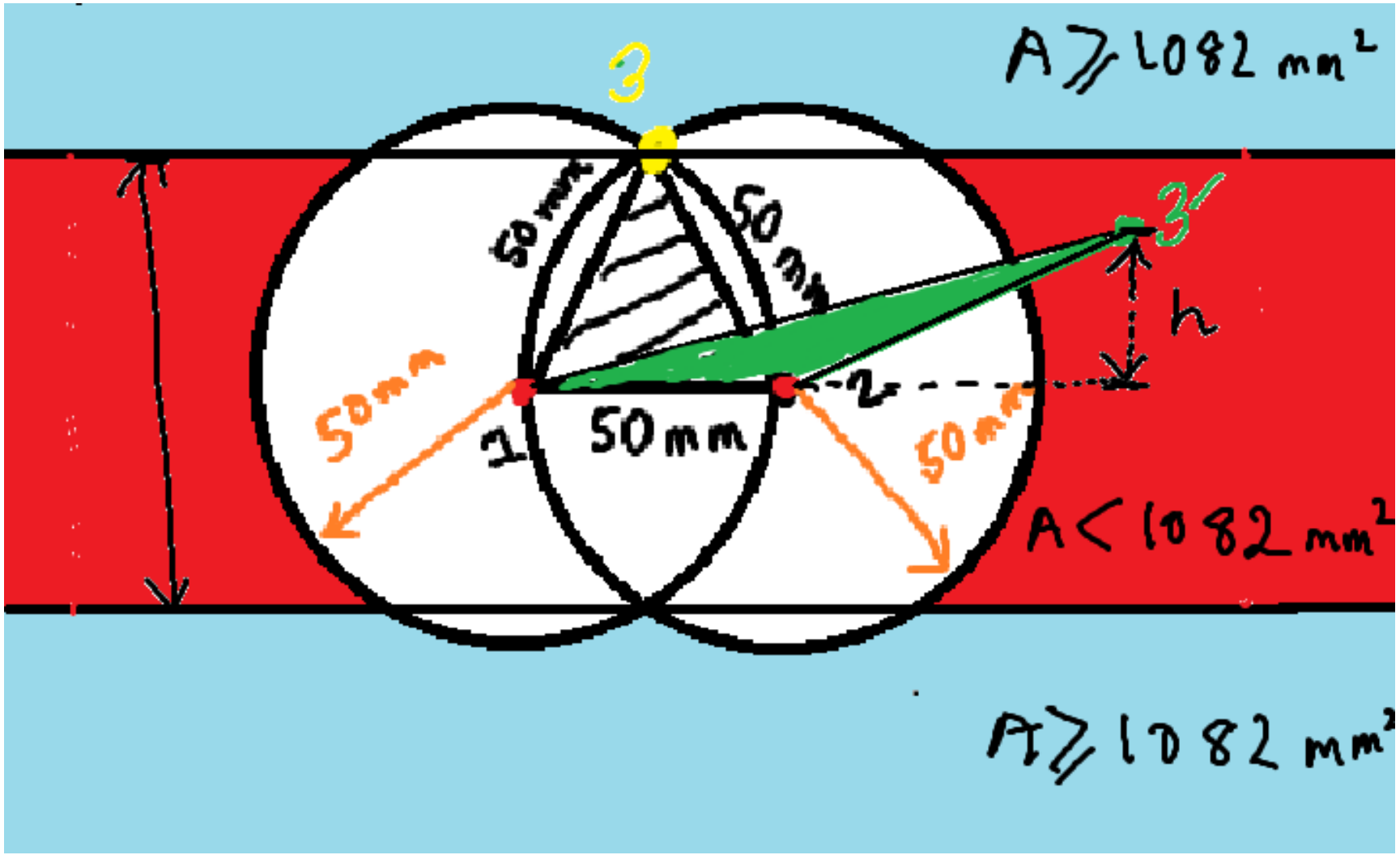
How does _mindist relate to _minarea ?



$$A_{min} = \frac{1}{2} \times 50^2 \times \sin(60)$$

$$\boxed{A_{min} = 1082 \text{ mm}^2}$$



Thus, to eliminate colinear-ish points, we MUST use a minimum Area of AT LEAST $\frac{1}{2}(\_mindist)^2 \sin(60)$

- This shows that _minarea2 should be $\geq 1{,}170{,}000$ for _mindist=50 mm, _minarea$\geq$1082 mm^2
- This can be seen in EVT 17, 06, 08 where if we go below this minarea threshold some anomalous triplets are taken (seen by increased triplet count) that reduces accuracy of pT