$$\frac{9(n)-24}{35}$$

$$1 = P^{\alpha}_{1} \dots P^{\alpha}_{K}$$

$$= \frac{\varphi(n)}{n} = (1 - \frac{1}{p}) \cdot \cdot \cdot \cdot (1 - \frac{1}{p})$$

$$\frac{\binom{p_1-1}{p_1-1}\binom{p_k-1}{p_k-1}}{\binom{p_k-1}{p_k-1}} = \frac{24}{35} \Rightarrow \frac{35}{p_1-p_k}$$

$$\frac{1}{2(ab+bc+ca)}$$

$$\frac{2(ab+bc+ca)}{2(ab+bc+ca)}$$

$$\Rightarrow \frac{1}{2(ab+bc+ca)}$$

$$\frac{2(ab+bc+ca)}{ab+bc+ca}$$

ETST:
3(a+b'+c')>(a+b+c)(ab+bc+a)

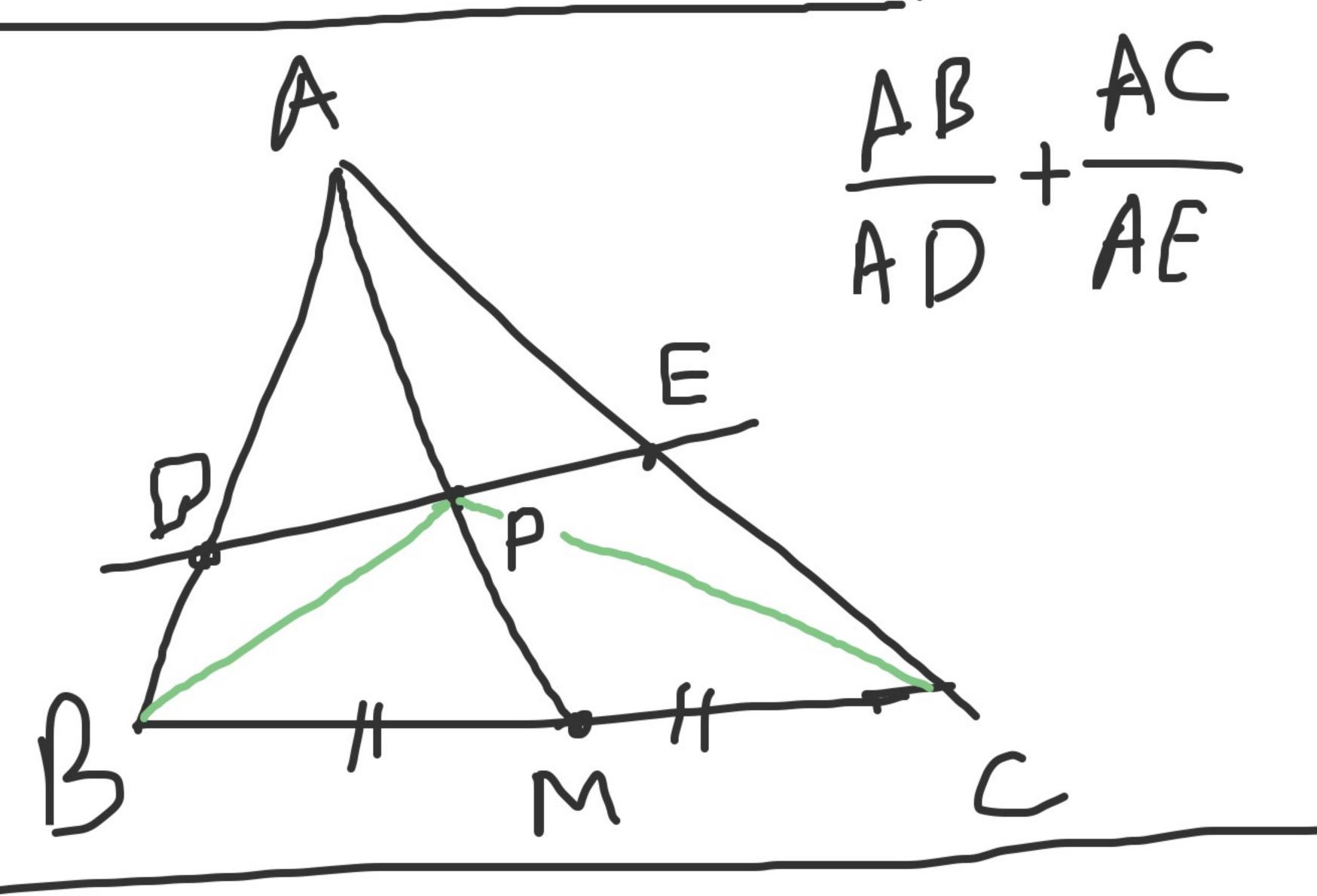
$$\frac{\alpha^{2}+\alpha^{2}+b^{3}}{3} \geqslant a^{2}b$$

$$\frac{b^{2}+c^{2}+c^{2}}{3} \geqslant b^{2}c^{2}$$

$$\frac{a^{2}+b^{2}+c^{2}}{3} \geqslant 3ab^{2}c$$

Hölder
$$(1+1+1)(1+1+1)(a+b+c^2)$$
 $(1+1+1)(1+1+1)(a+b+c^2)$
 $(a+b+c)(a+b+c)$
 $(a+b+c)(a+b+c)$

W1-P3,W2-p3



$$\frac{AB}{AD} = \frac{[ABP]}{[ADP]}$$

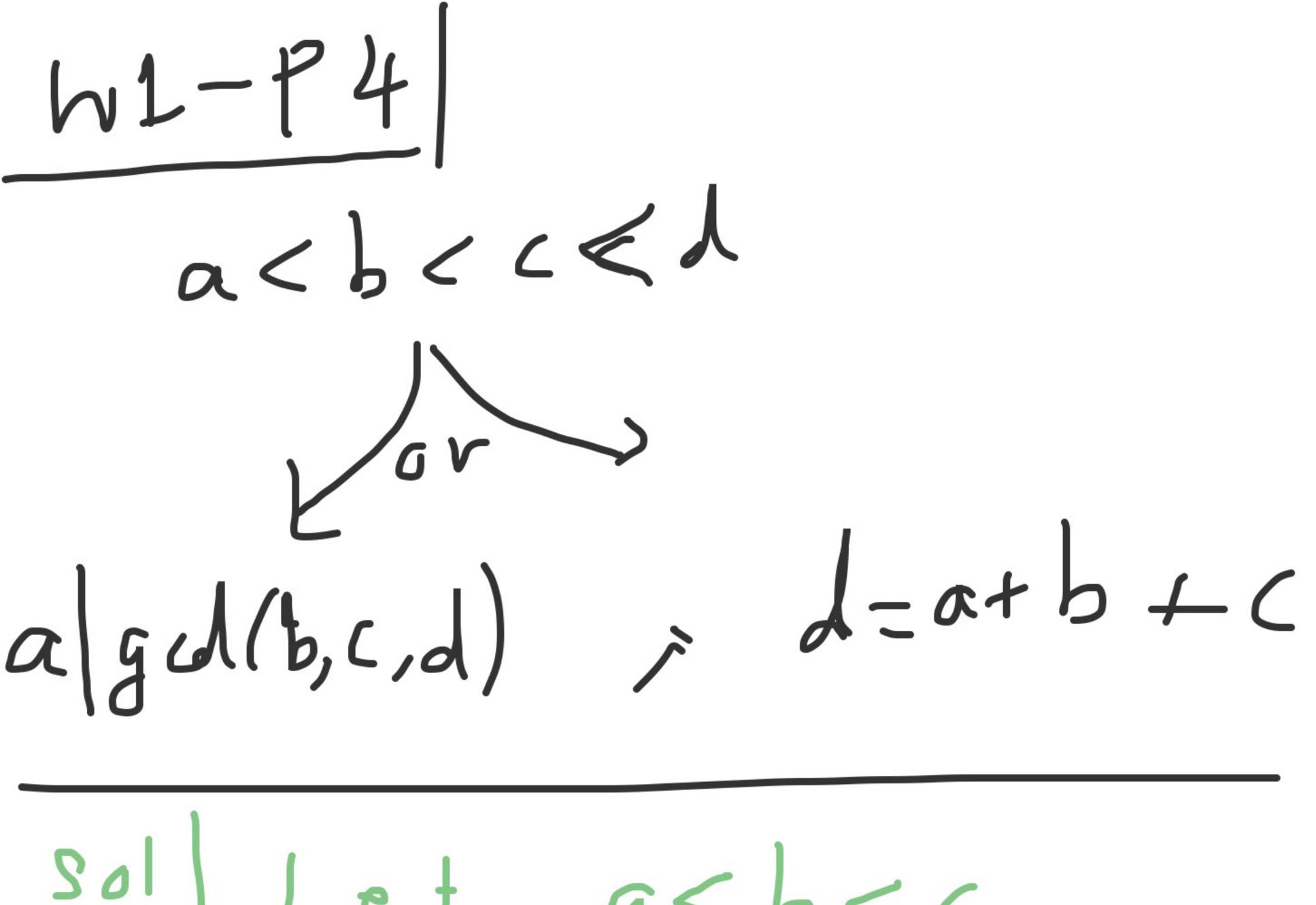
$$\frac{AB}{AD} + \frac{AC}{AE} = \frac{AB \cdot AC}{AD \cdot AE} \left(\frac{AE}{AC} + \frac{AD}{AB} \right)$$

$$= \frac{CABC}{CADP + CABP} \left(\frac{CACP}{ACP} + \frac{CADP}{CABP} \right)$$

$$= \frac{CABC}{CACP} = \frac{CABC}{AP} \left(\frac{AEP}{ACP} + \frac{CADP}{ABP} \right)$$

$$= \frac{CABC}{ACP} = \frac{CABC}{2AM} \left(\frac{AE}{AC} + \frac{AD}{AB} \right)$$

$$= \frac{CABC}{ADP} = \frac{CABC}{2AM} \left(\frac{AE}{AC} + \frac{AD}{AB} \right)$$



be the smallest 3 numbers

if $\exists d \in S$ such that $d = a + b + c = \Rightarrow a \mid x \mid \forall x \in S \mid x \mid \exists d = a + b + c \in S$

=) consider (a,b,C,x) such that x td,a,l,c 3 a, b, c, x $d = \alpha + b + c \Rightarrow a d$



W1-P5/consider the forthest two Points in S then carricher all planes Passing through AB (ABis) together they will form a

- S bounded - S contains its boundary

$$\frac{W2-P1}{6-\frac{4x+1}{3y}+\frac{4y+1}{7}+\frac{37+1}{2x}}$$

$$\frac{15}{6}$$
hert?

$$\frac{4x}{3y} + \frac{4y}{2} + \frac{3z}{2x} \ge 6$$

$$\frac{5}{2x} + \frac{1}{2x} + \frac{1}{2x} > 0$$

$$\frac{5}{3y} + \frac{1}{2} + \frac{1}{2x} > 0$$

W2-P4

$$w2-P5$$
 ? $7(n) < 2\sqrt{r}$

$$\eta = d_1 \cdot \frac{\eta}{d_1}$$

$$= - \dots = d_k \cdot \frac{\eta}{d_k}$$

$$= - \dots < d_k \leq \sqrt{\eta} \leq \frac{\eta}{d_k}$$

$$< \dots < \frac{\eta}{d_1} = \eta$$
(: $\eta = \alpha b \Rightarrow$) either $\alpha \leq \sqrt{\eta}$ or $\beta \leq \sqrt{\eta}$

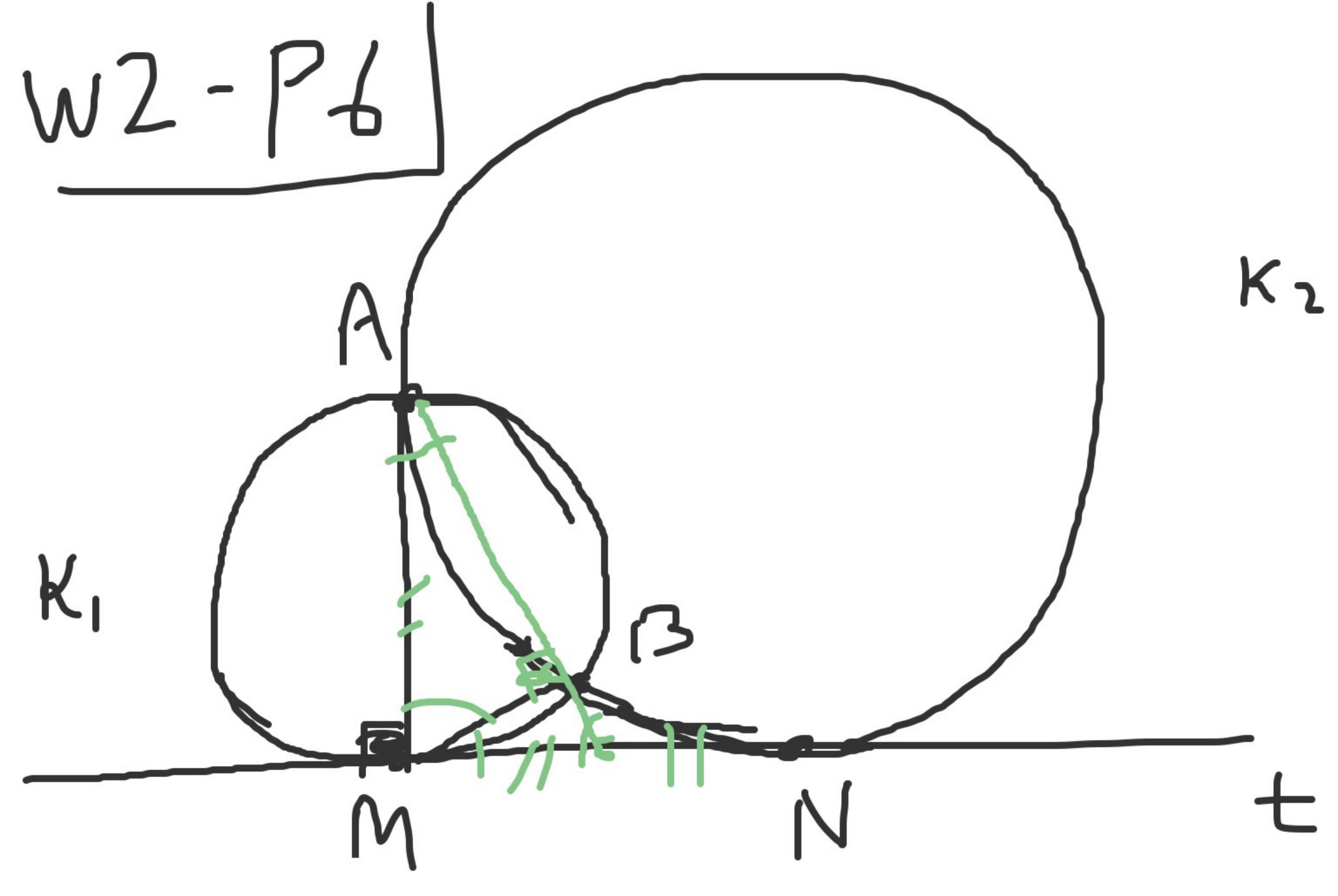
$$=) \qquad \lambda_{k} = \sqrt{n} = \frac{n}{\lambda_{k}}$$

$$T(n) = 2K - 1 < 2\sqrt{n}$$

Case 2:
$$T(n) = 216$$

$$\frac{1}{1} \left(\frac{1}{1} \left(\frac{1}{1} \right) \right) = \frac{1}{1} \left(\frac{1}{1} \left(\frac{1}{1}$$

$$J(n)=2K<2\sqrt{N}$$



$$\int_{-2}^{2} \left(u^{2} - v^{2} \right)$$

$$= 0$$

$$\int_{-2}^{2} d \left(2uv \right)$$

$$[u>7>0, (u,v)=(u+v,2)=1$$

$$\frac{\alpha^2 + b^2 = c^2}{3 \left(\frac{5}{2} \right)^2 = 6}$$
ETST:

$$(mad 3)$$
 $a^{2}+b^{2}=0+0$
 $a^{2}+b^{3}=0+0$
 $a^{4}+b^{4}=0+0$

$$|m_{6}| 4|$$
 $\alpha^{1} + \beta^{2} = 0 + 6$
 $0 + \beta^{2} = 0 + 1$
 $c^{2} = 0, 1$

(med 8):
$$0+6 \longrightarrow 4|ab$$

$$0+6 \longrightarrow 4|ab$$

$$0+4 \longrightarrow 4|ab$$

$$4+4 \longrightarrow 4|ab$$

$$4+4 \longrightarrow 4|ab$$

$$4+1 \longrightarrow 4$$