

$$
\begin{gathered}
b<(b d+a c)+a d(a c+b d)=(a d+b c)(a c \mid b d \\
X^{2}=a^{2}+b^{2}-\frac{a b\left(a^{2}+b^{2}-c^{2}-d^{2}\right)}{a b+c d} \\
=\frac{a^{2} c d+b^{2}\left(d+a b c^{2}+a b d^{2}\right.}{a b+c d} \\
=\frac{\left(a^{2}+b^{2}\right) c d+a b\left(c^{2}+d^{2}\right)}{a b+c d} \\
=\frac{(a c)(a d)+(b c)(b d)+(a c)(b c)+(a d)(b d)}{a b+c d}
\end{gathered}
$$



$$
\begin{aligned}
& x^{2}=\frac{(a d+b c)(a c+b d)}{(a b+c d)} \\
& y^{2}=
\end{aligned}
$$



