$$\begin{array}{c}
A \\
\overline{B} \\
\overline{A}
\end{array}$$

$$\begin{array}{c}
B \\
\overline{A}
\end{array}$$

$$\begin{array}{c}
A \\
\overline{B}
\end{array}$$

$$\begin{array}{c}
A \\
\overline{A}
\end{array}$$

$$\begin{array}{c}
B \\
\overline{A}
\end{array}$$

$$\begin{array}{c}
A \\
\overline{A}
\end{array}$$

$$\begin{array}{c}
A \\
\overline{A}
\end{array}$$

$$\overline{A} + \overline{B} = \overline{AB}$$

7. SINCE ATA =  $\overline{AA} = \overline{A}$ Then,  $\overline{ATA} = AA = A$ and  $\overline{BTB} = BB = B$ Therefore  $\overline{(ATA)} \downarrow \overline{(BTB)} = AJB$   $\overline{AVA} = \overline{(AVA)} = \overline{A} = A$   $\overline{BVB} = \overline{(BVB)} = \overline{B} = B$ So  $(\overline{AVA}) \uparrow \overline{(BVB)} = A\uparrow B$   $AVB = A\uparrow B$ (AAA)  $\uparrow \overline{((ATA)} \uparrow \overline{(ATB)} \uparrow \overline{(ATB)} \uparrow \overline{(ATB)} )$ 

ATB = AB = A+B ATA = AA = A