$\left|\begin{matrix}1&3&2\\2&1&2\\3&2&1\end{matrix}\right|=\left(1+18+8\right)-\left(6+12+4\right)=27-22=5$

$\left|\begin{matrix}1&2&3\\3&1&2\\2&2&1\end{matrix}\right|=\left(1+8+12\right)-\left(+6+6+4\right)=21-16=5$