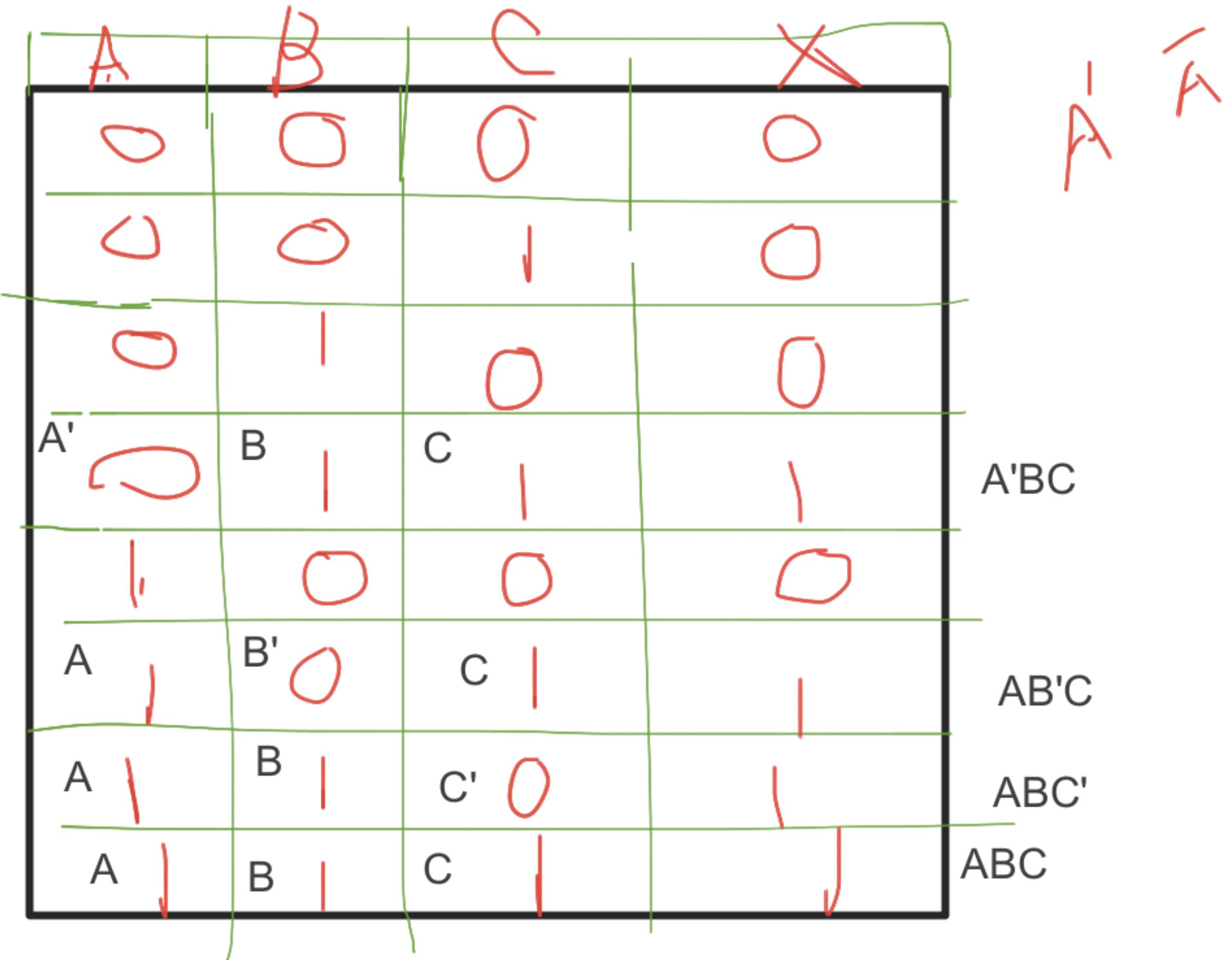


In SOP
 $A=1, A'=0$

$B=1, B'=0$
 $C=1, C'=0$

$SOP = A'BC + AB'C + ABC' + ABC$



$$\begin{aligned}SOP &= A'BC + AB'C + ABC' + ABC \\&= A'BC + ABC + AB'C + ABC + ABC' + ABC \quad [A+A=A] \\&= BC(A'+A) + AC(B'+B) + AB(C'+C) \\&= BC \cdot 1 + AC \cdot 1 + AB \cdot 1 \quad [A'+A=1] \\&= BC + AC + AB\end{aligned}$$