## Assignment 8

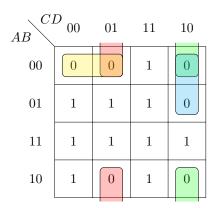
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## 1 Boolean Expression in POS form

$$\begin{array}{l} f=(A+B+C+D).(A+B+\overline{C}+D).(\overline{A}+B+\overline{C}+D).(A+\overline{B}+\overline{C}+D).(\overline{A}+B+C+\overline{D}).(A+B+C+\overline{D}). \end{array}$$

## 2 Kmap for 2.5,f



## 3 Simplified equation

$$f = (A+B+C).(A+\overline{C}+D).(B+\overline{C}+D).(B+C+\overline{D})$$