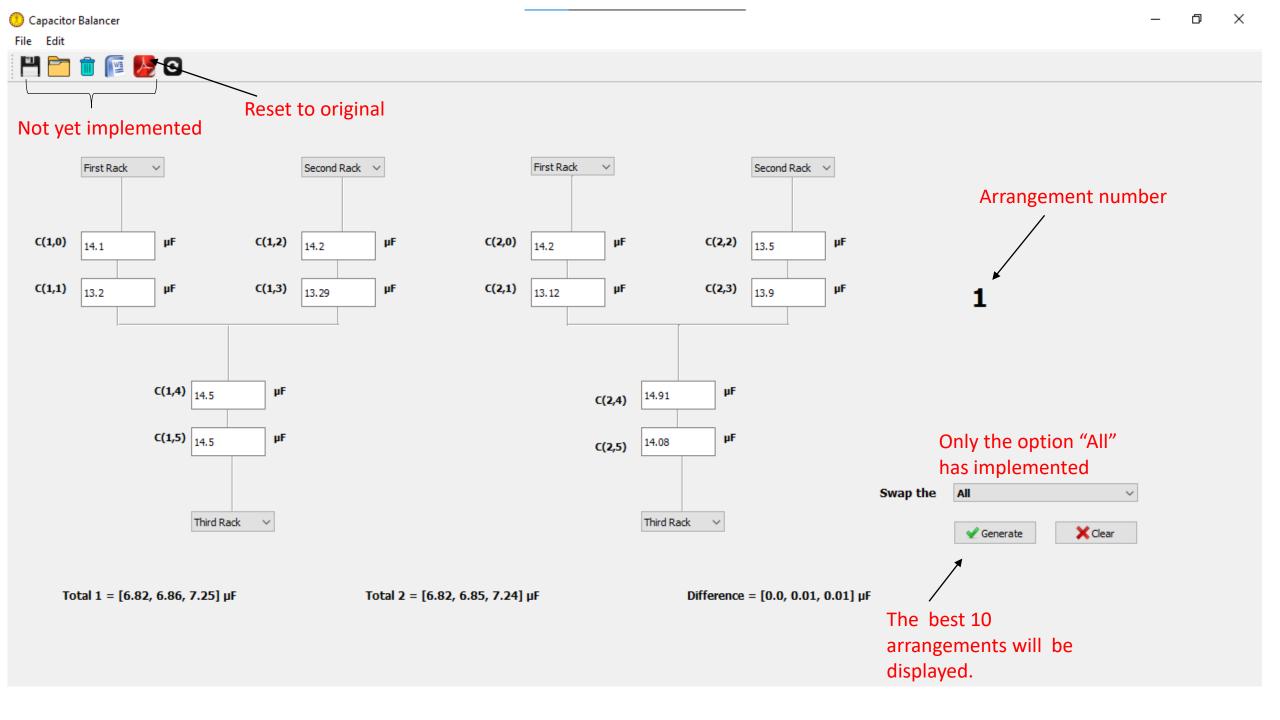
Read Me



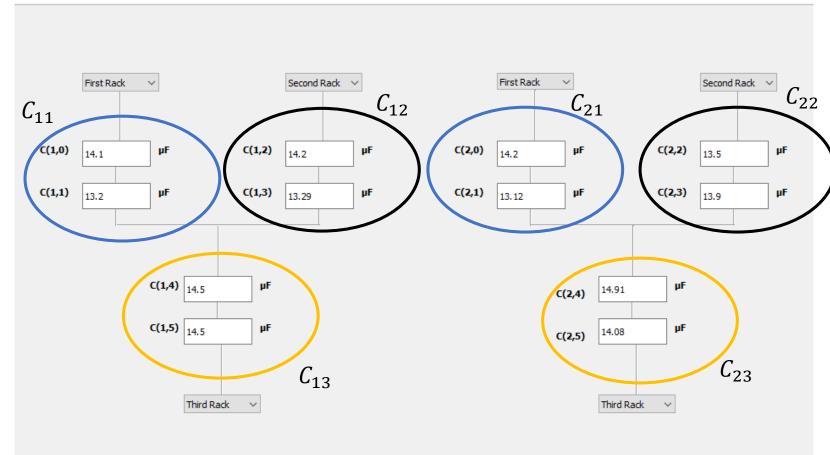
Functionality

- Fill the C(1,0) to C(2,5) with capacitor values
- Click "Generate"

best 10 combinations will be displayed on the same window

- Click on reset to "restore" the original arrangement
- The tool still not showing the optimum solution (optimum means the arrangement we can obtain from lesser number of shuffles. But it shows the best* arrangement)

Algorithm



$$C_{11} = \frac{C(1,0) \times C(1,1)}{C(1,0) + C(1,1)}$$

Capacitors are shuffled such a way that $C_{11}\cong C_{21}$, $C_{12}\cong C_{21}$ and $C_{13}\cong C_{23}$

$$Cost = (C_{11} - C_{21}) + (C_{12} - C_{22}) + (C_{13} - C_{23})$$

This cost is minimized by shuffling the capacitors, hence obtain the best arrangement.

Mobile app



Still under development