**Example**

**In certain chemical plant three different liquid chemicals are used in a manufacturing process. The 3 chemicals are stored in different tanks. A level sensor in each tank produces a HIGH voltage when the level of the chemical in the tank drops below a specified point.**

1. **Design a circuit that monitors the chemical level in each tank and indicates when the level in any two tanks drops below the specified value. [An Orange light comes ON]. Give your function in SOP, POS, maxterm and minterm lists.**
2. **B) Design a circuit that produces a flashing light when all levels drop below a specified value {A red light flashes ON-OFF]. Give your function in SOP, POS, minterm and maxterm lists.**