

```
for(;;) //Evigt loop
{
    checkForData(); //Opdater Status_Reg, hvis der er modtaget data

    if(!(Status_Reg == Position_Reg))//Hvis der er et mismatch
    {
        //Tjek for mismatch for Varme
        if(!((Status_Reg & 0b00001111000000000) == (Position_Reg & 0b0000111100000000)))
        {
            AdjustHeat();
        }

        //Tjek for mismatch for Ventilation
        if(!((Status_Reg & 0b00000000111100000) == (Position_Reg & 0b00000000111100000)))
        {
            AdjustVentilation();
        }

        //Tjek for mismatch for Vandning
        if(!((Status_Reg & 0b00000000000111111) == (Position_Reg & 0b00000000000111111)))
        {
            AdjustIrrigation();
        }

        //Tjek for mismatch for Vindue
        if(!((Status_Reg & 0b11110000000000000) == (Position_Reg & 0b11110000000000000)))
        {
            AdjustWindow();
        }
    }
}
```