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 & 0b0000111000000000) == (Position\_Reg & 0b0000111000000000)))

{

AdjustHeat();

}

//Tjek for mismatch for Ventilation

if(!((Status\_Reg & 0b0000000111000000) == (Position\_Reg & 0b0000000111000000)))

{

AdjustVentilation();

}

//Tjek for mismatch for Vanding

if(!((Status\_Reg & 0b0000000000111111) == (Position\_Reg & 0b0000000000111111)))

{

AdjustIrrigation();

}

//Tjek for mismatch for Vindue

if(!((Status\_Reg & 0b1111000000000000) == (Position\_Reg & 0b1111000000000000)))

{

AdjustWindow();

}

}

}