Test Cases

Part A - 20 Cases

```
[11]: mpin = ["0000", "1234", "4321", "1111", "1212", "0007", "7890", "2468", "1357", "1122", "9876", "1023", "9999", "2110", "7788", "1221", "2308", "3456", "
        for i in mpin:
          partA(i)
        It is a commonly used pin
        It is a commonly used pin
        It is not a commonly used pin
        It is a commonly used pin
        It is a commonly used pin
        It is not a commonly used pin It is a commonly used pin
        It is not a commonly used pin It is not a commonly used pin
        It is a commonly used pin
        It is not a commonly used pin
It is not a commonly used pin
        It is a commonly used pin
         It is a commonly used pin
        It is a commonly used pin It is a commonly used pin
        It is not a commonly used pin
It is not a commonly used pin
         It is a commonly used pin
        It is not a commonly used pin
```

Part B- 20 Cases

```
[12]: mpin = ["0000", "1234", "4321", "1111", "1212", "0007", "7890", "2468", "1357", "1122", "9876", "1023", "9999", "2110", "7788", "1221", "2308", "3456", "8080", "9091"]
                                                                                                                                                                                                                                                                                          ★ ○ □ ↑ ↓ 古 〒 ■
               dob_self = [
                       Seir = [
"01-Jan-2000", "04-Apr-1990", "07-Jul-1988", "10-Oct-1975", "13-Jan-1960",
"16-Apr-2003", "19-Jul-2011", "22-Oct-1980", "25-Jan-1970", "28-Apr-1965",
"01-Jul-2001", "04-Oct-1999", "07-Jan-2005", "10-Apr-2010", "13-Jul-2013",
"16-Oct-2016", "19-Jan-2019", "22-Apr-2022", "25-Jul-2025", "28-Oct-2028"
               dob_spouse = [
                      _spouse = [
"02-Feb-2001", "05-May-1992", "08-Aug-1989", "11-Nov-1976", "14-Feb-1961",
"17-May-2004", "20-Aug-2012", "23-Nov-1981", "26-Feb-1971", "29-May-1966",
"02-Aug-2002", "05-Nov-2000", "08-Feb-2006", "11-May-2011", "14-Aug-2014",
"17-Nov-2017", "20-Feb-2020", "23-May-2023", "26-Aug-2026", "29-Nov-2029"
               anniversary = [
                      "03-Mar-2010", "06-Jun-2015", "09-Sep-2000", "12-Dec-2005", "15-Mar-1999", 
"18-Jun-2020", "21-Sep-2022", "24-Dec-2010", "27-Mar-1995", "30-Jun-1988", 
"03-Sep-2021", "06-Dec-2023", "09-Mar-2010", "12-Jun-2012", "15-Sep-2015", 
"18-Dec-2018", "21-Mar-2021", "24-Jun-2024", "27-Sep-2027", "30-Dec-2030"
               for i in range(len(mpin)):
                      \label{eq:partB} \texttt{partB}(\texttt{mpin}[\texttt{i}], \ \mathsf{dob\_self}[\texttt{i}], \ \mathsf{dob\_spouse}[\texttt{i}], \ \mathsf{anniversary}[\texttt{i}])
               Strength: WEAK
                Strength: WEAK
               Strength: STRONG
               Strength: WEAK
               Strength: WEAK
               Strength: STRONG
                Strength: WEAK
               Strength: STRONG
                Strength: STRONG
               Strength: WEAK
                Strength: STRONG
                Strength: STRONG
                Strength: WEAK
               Strength: WEAK
Strength: WEAK
                Strength: WEAK
               Strength: STRONG
```

Part C- 20 Cases

Part D- 20 Cases