```
start the function:
number_translator()
        │
        ▼
What is the
telephone number?
        │
        ▼
translate the number:
refer to the function
translate_digit(telephone,
number_output
        │
        ▼
print the translated
number


start the function:
translate_digit
(telephone,
converted)                                                            ◄──────────── No
        │
        ▼
is it number or the hyphen?  ──Yes──►  add the exact value
        │                              to the converted ──────────────┐
        No                                                            │
        ▼                                                             │
is it in (A,B,C?  ──Yes──►  add 2 to the converted ──────────────────┤
        │                                                             │
        No                                                            │
        ▼                                                             │
is it in (D,E,F)?  ──Yes──►  add 3 to the converted ─────────────────┤
        │                                                             │
        No                                                            │
        ▼                                                             │
is it in (G,H,I)?  ──Yes──►  add 4 to the converted ─────────────────┤
        │                                                             │
        No                                                            │
        ▼                                                             │
is it in (J,K,L)?  ──Yes──►  add 5 to the converted ──►  Is the length of the converted the same  ──Yes──►  return converted
        │                                                 as length of original telephone number?            number
        No                                                            │
        ▼                                                             │
is it in (M,N,O)?  ──Yes──►  add 6 to the converted ─────────────────┤
        │                                                             │
        No                                                            │
        ▼                                                             │
is it in (P,Q,R,S)?  ──Yes──►  add 7 to the converted ───────────────┤
        │                                                             │
        No                                                            │
        ▼                                                             │
is it in (T,U,V)?  ──Yes──►  add 8 to the converted ─────────────────┤
        │                                                             │
        No                                                            │
        ▼                                                             │
is it in (W,X,Y,Z)?  ──Yes──►  add 9 to the converted ───────────────┘
```