```cpp
//[生成元/Digit Generator](1/2)
#define IN "P06IN.txt"
#define OUT "P06OUT.txt"
//**************************************
#include <iostream>
#include <ctime>
using namespace std;
void redir(void);
//**************************************
/* Work Space*/
#define N 100000 //依題意
//**************************************
int main(void)
{
    redir(); //redirection
//**************************************
/* Work Space*/
    int ans[N+1]= {0};

    int m;
    int x, y;
    int T, n;

    for(m=1; m<=100000; m++){
        x = y = m;
        while(x > 0){
            y += x % 10;
            x /= 10;
        }

        if(y > N) continue;

        if(ans[y] == 0){
            ans[y] = m;
        }
    }

    scanf("%d", &T);

    while(T--){
        scanf("%d", &n);
        printf("%d\n", ans[n]);
    }
//**************************************
    freopen("CON", "r", stdin); //取消重新導向
    freopen("CON", "w", stdout);

    printf("Time used = %.2f\n", (double)clock()/CLK_TCK); //傳回程式目前為止執行的時間

    system("pause");
    return 0; //the end...
}

void redir(void)
{
    freopen(IN, "r", stdin);
    freopen(OUT, "w", stdout);
}
//**************************************



```

```
64  //[生成元/Digit Generator](2/2)
65  /* Work Space*/
66  //Input(IN) Sample
67  /*
68  3
69  216
70  121
71  2005
72  */
73
74  //Output(OUT)
75  /*
76  198
77  0
78  1979
79  */
```