```c
#include <stdio.h>
#include <stdbool.h>
#include <ctype.h>


int n, ans[1000000];
char lang[2][1000][1000], str[1000000];
bool short[1000000], UorL;

int main()
{
        scanf("%d", &n);
        for (int i=0; i<n; i++)
                scanf("%s %s", lang[0][i], lang[1][i]);
        for (int i=0; i<n; i++)
                for (int j=0; lang[0][i][j] || lang[1][i][j]; j++)
                {
                        if (! lang[0][i][j])
                        {
                                short[i] = 0;
                                break;
                        }
                        if (! lang[1][i][j]) {
                                short[i] = 1;
                                break;
                        }
                }
        char x = getchar();
        fgets(str, 1000000, stdin);
        int w = 0;
```

```c
for (int i=0; str[i+1]; i++)
{
    if (!i || str[i-1]==' ')
    {
        for (int j= 0; j < n; j++)
        {
            bool check = 1;
            for (int k=0; lang[0][j][k] || (str[i+k]!=' ' && str[i+k+1]); k++)
                if (toupper (str[i+k] != lang[0][j][k]) && tolower (str[i+k]! = lang[1][j][k]))
                    check = 0;
            if (check)
            {
                ans[w] = j;
                w++;
                break;
            }
        }
    }
}
for (int i= 0; i < w; i++)
    printf ("%s ", lang [short (ans[i]) ][ans[i]]);

return 0;
}
```