- 1. 算法设计与分析第二次作业动态规划
 - 1. 6-1 Programming Contest (30 分)
 - 1. Format of function:
 - 2. Sample program of judge:

算法设计与分析第二次作业动态规划

6-1 Programming Contest (30 分)

Bob will participate in a programming contest. There are altogether n problems in the contest. Unlike in PAT (Programming Ability Test), in a programming contest one can not obtain partial scores. For problem i, Bob will need time[i] to solve it and obtains the corresponding score[i], or he may choose not to solve it at all. Bob will be happy when he obtains a total score no less than happy_score. You are supposed to find the minimum time needed for Bob to be happy. The function need_time must return the minimum time, or -1 if it is impossible for Bob to obtain a score no less than happy_score.

Format of function:

```
int need_time(const int time[], const int score[], int happy_score, int n);
```

Here n (1≤**n**≤ MAXN) is the number of problems; happy_score (1≤happy_score ≤ MAXS) is the minimum score for Bob to be happy; time[] is the array to store time[i] (1****≤time[i]≤10****0) which is the time to solve problem i; score[] is the array to store score[i] (1****≤score[i]≤10****0) which is the score Bob gets for solving problem i.

Sample program of judge:

```
#include <stdio.h>
#define MAXN 10
```