```
int __fastcall main(int argc, const char **argv, const char **envp)
{
  FILE *stream; // [rsp+8h] [rbp-E8h]
  char v5[64]; // [rsp+10h] [rbp-E0h] BYREF
  char s[152]; // [rsp+50h] [rbp-A0h] BYREF
  unsigned __int64 v7; // [rsp+E8h] [rbp-8h]

  v7 = __readfsqword(0x28u);
  setbuf(stdout, 0LL);
  printf("How much should I not trust you? >:)\n: ");
  __isoc99_scanf("%d", &detrust);
  fgets(s, 150, stdin);
  if ( detrust >= 0 )
  {
    trust_level -= detrust;
    if ( trust_level == threshold )             // threshold = 2147483646
    {
      puts("What kind of cheating are you doing?");
      puts("You haven't even signed your statement yet!");
      puts("You are BANNED from all future AP exams!!!");
    }
    else
    {
      while ( trust_level < threshold )
      {
        puts("\nI don't trust you enough >:)");
        printf("Prove your trustworthyness by reciting the statement on the front cover of the Section I booklet >:)\n: ");
        fgets(s, 150, stdin);
        if ( !strcmp(
                s,
                "I confirm that I am taking this exam between the dates 5/24/2024 and 5/27/2024. I will not disclose any "
                "information about any section of this exam.\n") )
          --trust_level;
      }
      stream = fopen("flag.txt", "r");
      fgets(v5, 64, stream);
      puts("\nYou will now take the multiple-choice portion of the exam.");
      puts("You should have in front of you the multiple-choice booklet and your answer sheet. ");
      printf("You will have %s minutes for this section. Open your Section I booklet and begin.\n", v5);
    }
  }
  else
  {
    puts("Don't try to trick me into trusting you >:(");
  }
  return 0;
}
```

detrust 변수로 정수값을 입력받는다.

그리고 trust_level에서 detrust 값을 뺀다. 여기서 integer overflow가 발생한다.

```
  {
    while ( trust_level < threshold )
    {
      puts("\nI don't trust you enough >:)");
      printf("Prove your trustworthyness by reciting the statement on the front cover of the Section I booklet >:)\n: ");
      fgets(s, 150, stdin);
      if ( !strcmp(
              s,
              "I confirm that I am taking this exam between the dates 5/24/2024 and 5/27/2024. I will not disclose any "
              "information about any section of this exam.\n") )
        --trust_level;
    }
    stream = fopen("flag.txt", "r");
    fgets(v5, 64, stream);
    puts("\nYou will now take the multiple-choice portion of the exam.");
    puts("You should have in front of you the multiple-choice booklet and your answer sheet. ");
    printf("You will have %s minutes for this section. Open your Section I booklet and begin.\n", v5);
  }
}
```

최종적으로 trust_level이 threshold보다 크면 flag를 출력해준다.

Detrust 변수를 2147483647로 설정하면 trust_level이 -21474836470이 되고 strcmp을 두 번 실행시키면 trust_level은 21474836470이 되고 threshold보다 크게 되어 반복문을 탈출해 flag를 출력해준다.