

```
#include <stdio.h>
#include <math.h>

int main()
{
    int i;
    double ee;
    double kaijou;

    ee=1.e+0;
    kaijou=1.e+0;

    for(i=1;i<=1000;i++){
        kaijou=kaijou*(double)i;
        ee+=1.e+0/kaijou;
    }

    printf("%100.100e\n",ee);

    return 0;
}
```