

```
#include <stdio.h>

int main()
{
    int n;
    int i;
    double ret=0.0;
    int sign = 1;

    scanf("%d", &n);
    for ( i=1; i<=n; i++ ) {
        ret += 1.0*sign/i;
        sign = -sign;
    }
    printf("%f\n", ret);

    return 0;
}
```