

os9

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1 Introduction

1.1 coffee

Coffee is the most consumed beverage in the world after water. Consuming the right amount of coffee a day prevents diseases such as stroke, cancer, Parkinson's disease, dementia and can reduce the risk of these diseases and health benefits such as increasing memory and concentration.

1.2 image



Coffee drinks	Size in oz. (mL)	Caffeine (mg)
Brewed	8 (237)	96
Brewed,decaf	8 (237)	2
Espresso	1 (30)	64
Espresso, decaf	1 (30)	0
Instant	8 (237)	62
Instant, decaf	8 (237)	2

2 math formula

$$\sin^2(a) + \cos^2(a) = 1$$

3 Codes

```
#include<bits/stdc++.h>
using namespace std;
int achermann(int m, int n)
{
    if (m == 0)
        return (n + 1);
    if (m>0 && n == 0)
        return achermann(m - 1, 1);
    if (m>0 && n>0)
        return achermann(m - 1, achermann(m, n - 1));
}
int main()
{
    int a, b;
    cout << "enter 2 num:\n";
    cin >> a >> b;
    cout << "ANSWER:" << achermann(a, b);
    system("pause>n");
    return 0;
}
```