

# YHPC 第一屆

題解&解答

# P1

```
#include<bits/stdc++.h>
signed main(){
    std::cout << "Hello YHPC\n";
    return 0;
}
```

# P2

```
#include<bits/stdc++.h>
signed main(){
    int a,b;
    std::cin >> a >> b;
    std::cout << a+b << '\n';
    return 0;
}
```

# P3

```
#include<bits/stdc++.h>
signed main(){
    int n;
    std::cin >> n;
    std::cout << (n%2==0?n/2:n/2+1) << '\n';
    return 0;
}
```

# P4

```
#include<bits/stdc++.h>
using namespace std;
signed main(){
    int t, n, sum=0;
    cin >> t;
    while(t--){
        cin >> n;
        sum += n;
    }
    cout << sum << '\n';
    return 0;
}
```

# P5

```
#include<bits/stdc++.h>
using namespace std;
signed main(){
    int t, n, mx = 0;
    cin >> t;
    while(t--){
        cin >> n;
        mx = max(mx, n);
    }
    cout << mx << '\n';
    return 0;
}
```

# P6

```
#include<bits/stdc++.h>
using namespace std;
signed main(){
    int n, sum = 1;
    while(n--){
        sum *= n;
        if(n==1)break;
    }
    cout << sum << '\n';
    return 0;
}
```

P7

```
#include<bits/stdc++.h>

using namespace std;

int n[105];

signed main(){

int t, sum=0;

cin >> t;

for(int i=0; i<t; i++)cin >> n[i];

for(int i=0; i<t; i++){

if(n[i] == 0){

if(i==0)sum += n[1];

else if(i==t-1)sum += n[t-2];

else sum += min(n[i-1], n[i+1]);

}

}

cout << sum << '\n';

return 0;

}
```



# P8

```
#include<bits/stdc++.h>
using namespace std;
signed main(){
    int a,b;
    cin >> a >> b;
    for(int i=0; i<a; i++){ // a times.
        for(int j=0; j<b; j++){ // b lines each time.
            for(int k=0; k<a; k++){
                for(int l=0; l<b; l++){
                    if(k%2 == i%2)cout << '*';
                    else cout << ' ';
                }
            }
            cout << '\n';
        }
    }
    return 0;
}
```