解答用紙

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機械知能 工学科	2 年	学生番号	13104134	氏名	松尾直樹

1.
```
int rev2 (int n){
    int a = 10 % n;
    int b = 10 / n;
    return a*10 + b;
}
```

2.
```
ret = ret* 10 + a[i];
```

3.
```
int dp (int n){
    int i ;
    int a[ ];
    int sum = 0;
    for (i = 0; n != 0 ; i++){
        a[i] = n%10;
        sum += a[i];
        n = n / 10;
    }
    return sum;
}
```

4.
```
int max2 ( int a, int b){
    if (a>b ){
        return a;
    } else {
        return b;
    }
}
```

5.
```
int max4 ( int a, int b, int c, int d ){
    return max2 ( max2 (a, b) , max2 (c,d ));
}
```

6.
```
for ( i = 0; i < n ; i++ ){
    m = max2 ( m , a[i] );
}
```

7.
```
int D ( int a , int b , int c ){
    return b*b - 4*a*c >= 0;
}
```

8.
```
int power2(n){
    int i ;
    int x = 1;
    for ( i = 0; i < n ; i++ ){
        x = x*2 ;
    }
    return x ;
}
```

9.
```
int factorial (n) {
    int i ;
    int y = 1;
    for ( i = 0 ; n != 0 ; i++ ){
        y = y* n ;
        n = n - 1 ;
    }
    return y;
}
```

10.
```
void count () {
    int i ;
    int counts = 0 ;
    for (i = 0 ; i < 12 ; i++ ){
        if ( power2(n) < factorial(n)){
            counts += 1 ;
        }
    return counts ;
}
```

解答用紙

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工学科	年	学生番号	13104147	氏名	杉戸 僚介

1.
```
int rev2 (int n){
    int a = n/10;
    int b = n%10;
    return a+b*10;
}
```

2.
```
ret = ret*10 + a[i];
```

3.
```
int dp (int n) {
    int i;
    int sum;
    int a[];
    for (i=0; a[i]!=0; i++) {
        a[i] = n%10;
        sum += a[i];
        n = n/10;
    }
    return sum;
{
```

4.
```
int max2 (int x, y){
    int max;
    if (x>y) {
        max = x;
    } else {
        max = y;
    }
    return max;
}
```

6.
```
int max;
for (i=0; i<n; i++){
    m = max2 (m, a[i]);
}
```

5.
```
int max4 (int a,b,c,d) {
    max2 ( max2(a,b), max2(c,d));
}
```

7.
```
int D (int a,b,c) {
    return b*b - 4*a*c > 0;
}
```

8.
```
int power2 (int n){
    int i;
    int m = 1;
    for (i=0; i<n; i++) {
        m *= 2;
    }
    return m;
}
```

9.
```
int factorial (int n){
    int i;
    int l=1;
    for (i=0; i<n; i++) {
        l *= n;
        n--;
    }
    return n;
{
```

10.
```
int count (int n) {
    int i;
    for (i=0; i<n; i++){
        if (power2(n) < factorial(n)) {
            count += 1;
        } else {
            ;
        }
    }
} return count;
```

解答用紙

機械知能 工学科 2年	学生番号	13104148	氏名	山下貴大

9

1.
```
int rev2 ( int n)
{
 return rev2 (n%10)*10 + n/10;
}
```

2.
```
ret = ret*10 + a[i];
```

3.
```
int dp (int a){
 int b;
 while (a != 0){
   b += a%10;
   a = a/10;
 }
  return b;
}
```
ゼロ除算

4.
```
int max2 (int x, int y){
 if (x > y){
   return x;
 } else {
   return y;
 }
}
```

5.
```
int max4 (int a, b, c, d){
 if (a>b && a>c && a>d){
    return a;
 } else if (b>a && b>c && b>d){
    return b;
 } else if (c>a && c>b && c>d){
    return c;
 } else {
    return d; } }
```

6.
```
for (i=0; i<n; i++){
   if (a[i] < m){
      m = a[i];
   }
```

7.
```
int D ( int a, b, c){
 int x;
 x = b*b -4*a*c;
 if ( x >0) {
  return 1;
 }else {
   return 0;
 }
}
```
0

8.
```
power2 ( int n){
 int i;
 int a;
 for ( i=0; i<n; i++){
    a* = 2
 }
  return a;
}
```
a=1;

9.
```
factorial (int n){
 int i;
 int a;
 for ( i=1; i<=n; i++){
    a* = i
 }
  return a;
}
```
a=1;

10.
```
int count (int n) {
 int i;
 for (
```
X

解答用紙

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機械知能 工学科	2 年	学生番号	13104151	氏名	山本 伸吾

1,
```
int rev2(int n){
    return n/10+10*(n%10);
}
```

2.
```
ret = 10*ret + a[i];
```

3.
```
int dp(int n){
    int i;
    int sum=0;
    for(i=0; n>0; i++){
        sum = sum + n%10;
        n = n/10;
    }
    return sum;
}
```

4.
```
int max2(int x, int y){
    if(x>y){
        return x;
    }else{
        return y;
    }
}
```

5.
```
int max4(int a, int b, int c, int d){
    return max2(max2(a,b), max2(c,d));
}
```

6.
```
for(i=0; i<n; i++){
    m = max2(m, a[i]);
}
```

7.
```
int D(int a, int b, int c){
    return b*b - 4*a*c >= 0;
}
```

8.
```
int power2(int n){
    int i;
    int ans=1;
    for(i=1; i<=n; i++){
        ans = ans*2;
    }
    return ans;
}
```

9.
```
int factorial(int n){
    int i;
    int ans=1;
    for(i=1; i<=n; i++){
        ans = ans*i;
    }
    return ans;
}
```

10.
```
int count(void){
    int n;
    int count=0;
    for(n=1; n<=12; n++){
        if(power2(n)<factorial(n)){
            count += 1;
        }
    }
    return count;
}
```