

# 杂项

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## 随机整数

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```
1  mt19937 rnd(time(NULL));
2
3  int a = std::uniform_int_distribution<int> (0,9)(rnd); // [0, 9]
4  int b = std::uniform_int_distribution<int> (1, 100)(rnd); // [1, 100]
```

## 离散化

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```
1  inline void disc(){
2      for(int i = 1; i <= n; i++)
3          t[i] = a[i];
4      sort(t+1, t+n+1);
5      int len = unique(t+1, t+n+1) - (t+1);
6      for(int i = 1; i <= n; i++)
7          a[i] = lower_bound(t+1, t+len+1, a[i]) - t;
8  }
```

## 二进制枚举子集

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Code:

```
1  for(int i = s; i; i = (i - 1) & s){
2      //...;
3  }
```