

```
#include<iostream>
using namespace std;
void arranjo(int n, int r, int x[], bool used[], int k) {
   int i;
   if (k == r) {
      for (i = 0; i < r; i++)
        cout<<x[i]+1<<" ";
      cout<<endl;
   } else {
      for (i = 0; i < n; i++) {
         if (!used[i]) {
            used[i] = true;
            x[k] = i;
            arranjo(n, r, x, used, k+1);
            used[i] = = lolse
      1
int main () {
  int i, n, r, x[100];
  bool_used[100];
 cout<<"Entre com o valor de n: ";
  .cout << "Entre com o valor de r: ";
  cin>>r;
  for (i = 0; i < n; i++)
     used[i] = false;
  arranjo(n,r,x,used,0);
  return 0;
```

$$A_{2}^{3} = 12$$

$$13$$

$$21$$

$$23$$

$$3 = 6$$

$$3 = 6$$

$$3 = 6$$

$$3 = 6$$

$$3 = 3$$