```
int KmpSearch(char* s, char* p)
  int i = 0;
  int j = 0;
  int sLen = strlen(s);
  int pLen = strlen(p);
  while (i < sLen && j < pLen)
    //①如果j = -1, 或者当前字符匹配成功(即S[i] == P[j]), 都令i++, j++
    if (j == -1 || s[i] == p[j])
       i++;
      j++;
    }
    else
       //②如果j!=-1, 且当前字符匹配失败(即S[i]!= P[j]),则令 i 不变, j = next[j]
       //next[j]即为j所对应的next值
      j = next[j];
    }
  if (i == pLen)
    return i - j;
  else
    return -1;
}
void GetNext(char* p,int next[])
  int pLen = strlen(p);
  next[0] = -1;
  int k = -1;
  int j = 0;
  while (j < pLen - 1)
    //p[k]表示前缀, p[j]表示后缀
    if (k == -1 || p[j] == p[k])
       ++k;
       ++j;
       next[j] = k;
    }
    else
    {
       k = next[k];
```

} }