```
Ex6.1
  worst case:要表示的区间处在一个binony区间内
                     可以用其中一个7亿间表示
                    39 log ( 1/P(x/H)/4) = log (P(X/H) + log +
ExiTEN Linny EN
Ex6-3
 standard method. 每次生民1~2°2之间的随机影
    :- 32×1000
 Arothmetic ading , H2 (0.01) = 0.08/
      To 2 bits 63 overhand.
  : 0.08 | X (0.0 +2
6x64
 If there exists an uniquely decodeable code that can shorter some strings without lengthening some others.
  Then codes | = | strings | violet the unique.
Z×6.5
      (10) (110) (10,0) (11,0) (10,0) (10,0) (10,0)
  basi'c: 0 10 100 110 101 100 0 1100
Bx 6.6
 ) 1 00 00) 000 10 000 10 000 001 000
                                                                     01
                                                                    1010
      (10) (0,10) (11,0) (11,0) (0,0) (0,0) (0,0) (11,0) (010) (010)
```

Bxb.10. It requires N bits. At every step, the probability of a 1 is f. the probability of a 0 is 1-t

0 0,101111000000011110101000

Gx6.12

当 000 001 010 011 100 - 「prefix 已经加dic 接下来的 prefix 不可能是 11.0.101,111.