```
1. [x<1]: FC1-0) [1x-11=2]=[-15x=3]: FC3)-FC-1-0)
    [x>=]=[x>[3] x<-[3] 1-FC[3)+FC-[3-0)
   [ [+x >2] = [ x >3]: 1-F(3-0)
   2.0 P(X<3)=F(3-0)=12
    PPCX=3)=FC3)-FC3-0)=1-12=12
  3.0 max (X, 0) = x
   当X>0时. 若X=X.则max(X,0)=X. 若X>X, max(X,0)=X>X
      : Fx+(x)=Fx(x)
  当X<0时 max(X,0)>0>X.
   |F_{X}^{+}(x)| = 0
|F_{X}^{+}(x)| = \begin{cases} 0 & x < 0 \\ F_{X}(x) & x > 0 \end{cases}
( X=-min(X,0)=max(-X,0)
当X>O时.对一X=X.有max(-X,0)=X
         オーX>×. 有max(-X.0)>X
  : Fx-(x)=P(X>-x)=1-Fx(-x-0)
与X<0时 max (-X,0)=0>X
  1. Fx-CX)=0
\therefore F_{X}(x) = \begin{cases} 0 & X < 0 \\ 1 - F_{X}(-X - 0) & X \ge 0 \end{cases}
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3). IXI=X
当X>0时 -X=X=X
  PF_{XX}(x) = PC - x \leq X \leq x = F_X(x) - F_X(-x-0)
与Q=D时 b≤x 对x≥b Fax+b(x)=1 对Xx <b Fax+b(x)=0
 当 10 时、 で X × X × x = b Fax+b (x)= Fx ( x = b)
1当Q<0时可/xxxxx X = x=b Fax+b(x)=PCX = A)=1-F(x=b-0)
    :, 当a=0时. Fax+b(x)= \begin{bmatrix} 0 & x < b \\ 1 & x > b \end{bmatrix}
      当a>o対 Fax+b=Fxcxb)
      当a<0 Fax+b=1-Fx(x=b-0)
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-mar (xcur)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8 1
     N)= ×, 2. 由是P(X=k)=1
 POX
     程有义
                                                                                                                                                                                                       : C=0=
                                                                               3,当x<a时, PCX=x)=0
                                                                                      当a = x < b时. [a, x] 特 [x] - a + 1 个 为 [x] p(x < x) = b - a + 1 |x| - a + 
 (,0)
     ES
       786. P(X=1)=\frac{2}{5}P(X=2)=\frac{1}{10}P(X=3)=\frac{1}{5}P(X=4)=\frac{1}{10}
                  \begin{cases} 1.5 \times -1 & \text{if } P(X < x) = 0 \\ 51 \le x < 2 & \text{if } P(X < x) = \frac{2}{5} \\ 52 \le x < 3 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 53 \le x < 4 & \text{if } P(X < x) = \frac{2}{5} \\ 
7. P(X=-1)=F(-1)-F(-1-0)=0.2 P(X=0)=F(-0)-F(-0)=0.4 P(X=1)=F(-1)-F(-1)=0.3 P(X=3)=F(-3)-F(-3)=0.1 P(X=-1)+P(X=0)+P(X=1)+P(X=3)=1
                                                                                            长又X分布研发
                                                                                                                                                                                                                                                                                                                                                                                                                                                 02 0.4 0.3 01
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