1.3.8.9.17.18.19

1.3 两者编码报数获函数,MUE正确性无常二阶段等通证。
a. p(xi,u)= 点 exp{-至(x-u)}

p(x3; y)= (27) x exp{- 1 = (8[n)-y)}

dlap(南山)= 对(为(n)-山)=0 => 从=和京为(n)=万可看作WGN提到中的直流方量

b. p(x;x)= nexp{-nx]u(x).

p(\$;3)= \ 3Nexp{-3=x(n)], x(n)>0 for all n

delap(方:2)=35(第一次的)=共一系的=0=分=一定对联会指数各种参数入的估计。

报数各种区X=式,国此该的银金理

18. $b(x;b) = \prod_{i=1}^{n} \frac{1}{2} \frac{1$

lnp(x;p) = = =x(n) lnp + (N-=x(n)) ln(1-p).

 $\frac{d \ln p(x;p)}{dp} = \frac{\sum_{i=1}^{n} x(n)}{p} - \frac{N - \sum_{i=1}^{n} x(n)}{1 - p} = 0 \implies \hat{p} = x$

 $p(\vec{s};\theta) = \sqrt{\beta N}$ $s[n] \in [0, \theta]$ for all n

每户(京的) 和 的 P(京的) , 但是日子(们, n=0,…, N-1) 所见 日 转取到的min为 xmax, 即 备= max {x[n]]

7.17 x[n] id N(0, 6) 2 = 6 , 刚 6 = 4 2 = 6 , 刚 6 = 4 2 = 6 , 刚 6 = 4 2 = 6 , 2 = 6 , 2 = 6 , 2 = 6

0= 和如(())2-1.台+ 一公子(()=)2= 小三(()

$$|\mathcal{A}| \hat{\theta} = \frac{N}{\sum_{n} \gamma(n)}$$

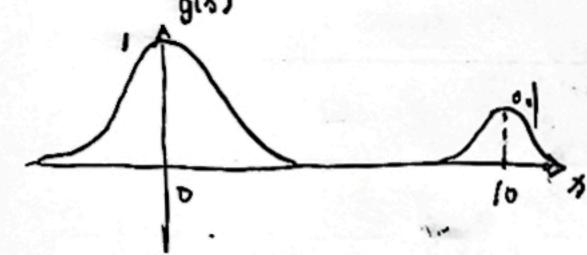
$$|\mathcal{A}| = \frac{N}{2\alpha^{2}}$$

$$|\mathcal{A}| = |\mathcal{A}| = |\mathcal{A}|$$

$$3(f_0) = \frac{1}{5} f(n) \cos 2n f(n)$$

 $g(f_0) = -\frac{1}{5} (2\pi n) \sin 2n f(n)$
 $g''(f_0) = -\frac{1}{5} (2\pi n) \sin 2n f(n) \cos 2n f(n)$
 $g''(f_0) = -\frac{1}{5} (2\pi n) \sin 2n f(n) \cos 2n f(n)$
 $g''(f_0) = -\frac{1}{5} (2\pi n) \sin 2$

7.18. g(x)= == = + a/ e= = (+10)



$$g(x) = x^{2}e^{-\frac{1}{2}x^{2}} + o((x+b)^{2}e^{-\frac{1}{2}(x+b)^{2}} - o(e^{-\frac{1}{2}(x+b)^{2}} - e^{-\frac{1}{2}x^{2}})$$

$$3kM = 3k - \frac{g(3k)}{g''(3k)}$$

NR可迭代的效金局解散的,不定里全局最低、国比选择初值要尽可能接近直值

一 又都max 云x[n]coslafin