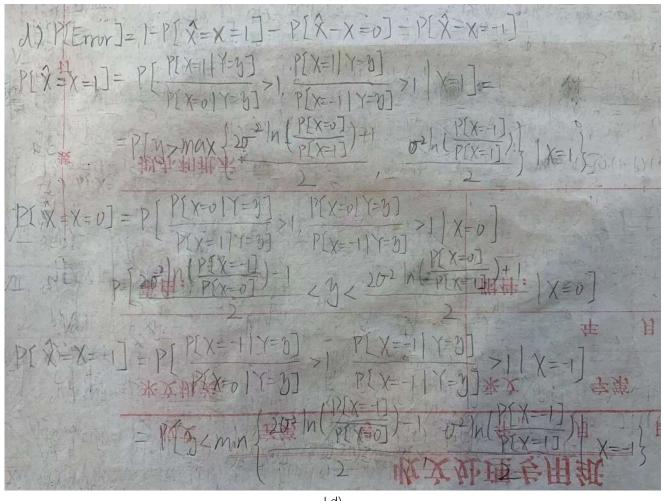
```
= (1) Fr(y) = P(x+1/=y)= P(N=3-X). Fx(x=1/y)= FN(y-1), Fx(x=1/y)= FN(y+1)
     # (x=013) = two) Fx 17) = Two - DP(x=1) + Fw(y) P(x=0) + Fw(y+1) P(x=-1) Two
        fr(y)= fn(y-1) P[x=1]+fn(y) P[x=0]++n(y+1) P[x=-1]
 b) +x1x=1(y) = +N(y=1) = 100 e 202 +x1x=-1 = +N(y+1) = 100 e 202
\begin{array}{c} = \frac{1}{2} (x + 1) \times \frac{1}{2} (y) = \frac{
 X=0+> P(X=0|Y=0) >1=2)< 1-1/2, P(X=0|Y=0] >1=37-1/2
     P[X=-1[Y=y] >1=y<-\frac{1}{P[X=-1[Y=y]}>1=y<-\frac{1}{2}
```

I a)-c)



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 \begin{array}{l} \blacksquare \text{ (a) } P[X \neq 0] = \frac{1}{2}, P[X \neq 0.2] = 0.421. P[SX+3 \leq 2] = P[X \leq -0.2] = 0.421. \\ \text{ (b) } P[I \in [0,1] = 0.02743. \\ \text{ (c) } P[T \neq 0.2] = 0.43; P[T \neq 0.2] = 0.4247; P[T \neq 0.2] = 0.4217; \\ P[T \neq 0.2] = 0.4218; P[T \neq 0.2] = 0.4247; P[T \neq 0.2] = 0.4227; \\ P[T \neq 0.2] = 0.4218; P[T \neq 0.2] = 0.4247; P[T \neq 0.2] = 0.4227; \\ \text{ (as } n \text{ gets larger, } P[T \Rightarrow 0.2] = 0.4247; P[T \Rightarrow 0.2] = 0.4227; \\ \text{ (a) } V_{\text{or}}(N) = V_{\text{or}}(N) = V_{\text{or}}(N) = 0.4209; \\ \text{ (a) } V_{\text{or}}(N) = V_{\text{or}
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II, IV

$$\frac{1}{2} \frac{1}{2} \frac{1}$$

 $V, ω). φ_{w}(x) = E(e^{jωx}) = 1-p + e^{jω}p.$ Direct X; be the i-th Remonthic experiment, P(X) = 13-p,  $X = Z_{k-1}X_k$ .  $φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = T_{k-1}E(e^{jωx}) = (1-p + e^{jω}p)^{-1}$   $V. ω; φ_{w}(x) = Φ(Φ) (1) = Σ_{k-1}ω (1) = Σ_{k-1}ω (1) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = Φ(Φ) (1) = Σ_{k-1}ω (1) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = [(1-p + e^{jω}p)^{-1}]$   $V. ω; φ_{w}(x) = E(e^{jωx}) = E(e^{jωx}) = E(T_{k-1}E^{jωx}) = E(E^{jωx}) = E(T_{k-1}E^{jωx}) = E(T_{k-1}E^{jωx}) = E(E^{jωx}) = E(E^$ 

V, VI, IX

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\begin{aligned} & \sum_{x,y} (x,y) = \frac{1}{1} \sum_{y} (x,y) & |y| = 1 \\ & \sum_{x,y} (x,y) = \frac{1}{1} \sum_{x} (x,y) & |y| = 1 \\ & \sum_{x,y} (x,y) = \frac{1}{1} \sum_{x} (x,y) & |y| = 1 \\ & \sum_{x} (x,y) = \frac{1}{1} \sum_{x} (x,y) & |y| = 1 \\ & \sum_{x} (x,y) = \frac{1}{1} \sum_{x} (x,y) & |y| = 1 \\ & \sum_{x} (x,y) & |y| & |y| = 1 \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| & |y| & |y| & |y| & |y| & |y| \\ & \sum_{x} (x,y) & |y| \\ & \sum_{x} (x,y) & |y| &
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VII