AUNITO	Dut		FII	ULIT	IFDIJ	SKE	IFHN	O LO	51Jt		
AUDITO		1.9	0,1	2.1	-0.1	-0,5	-1.9	1.1	-0.6	2.1	-1.
a)	D = -	1					Grand Control of Contr	51		(ku	
	Xq	= roux	ud (x)· \(\tau = \tau \cdot \)	= Noum	d (4.x)	14			7	
-1		2	0	2		-6.5	*	1 -	-0,5	2	-2
6)		2	2	- efe		*		2			
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	1	5 - 0		0.1/0	A-7	A 1,112					
<u>C)</u>	and an article and a state of the state of t	- Pic	803 D!	2,49)/\+		<u> </u>	£			
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	3 2	Piar	() 1)			, , , , , , , , , , , , , , , , , , ,	×		=		
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		= 5						у.			
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			11								

ilodus	P		T	\$
výrojat.	0.2	- 0.5	0.2	0:1
mter	[0,0.27	[0.2,0,7]	[0.7,0.3)	[0.9,1]
POT	OTOP			
P [0,0.2)		$D_i = D_i$	-1 + Ds (Gi-1-	-Di-1)
0 [0.04,0.1	147		i-1 + Gs (Gi-1	
4				
P [0.1214,	0.12167			
		0.002 Firm	a intervala	=Pm
	$p_{1}^{2} = 0.007$			1
2 2	-2 -3 -4 - 2 2	-5 dol ne d	popure de pue	ja boj je u inturvalu
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	0 1 502 pm = 8.	1 1 11 00.	mourja od	

3. simbol 0 1 1
P 0.8 0.1 0.1
int. [0,0.8] [0.8,0.9] [0,3,1]
A= 0.6796875 -> 0
$A_{i} = (A_{i-1} - D_{s}) \frac{1}{P_{s}}$
$A_{2} = (A_{1} - D_{01}) \frac{1}{P_{01}} = 0.849609375 \rightarrow 1$ $A_{3} = (A_{2} - D_{11}) - \frac{1}{P_{11}} = 0.49609375 \rightarrow 0$
01000\$ dok ne bude bor iz intervala \$ ili koliko pisa u zad.
1. = 2 0
$4. \sigma_{x}^{2} = 3$ $H(1) = 4 \text{ bite}$
SQNR = 20 log 10 (48) = 33,62 dB
3QNR = 20 log, 02. H(1) + 3QNR0
SQNE0 = 9,54 dB
b) dif. entropija h(x)=?
SQNE0 = 20 long (1/20x · 2-h(x))
SQNEO
$h(x) = -\log_2(\frac{10}{1000^2}) = 1.0004$ bit
C) N=?
$\Delta = 2^{h(x)} - H(1)$
Δ = 0.125

OIN

[2] 1 -2 \ Y= \ 2, -1, 2, 1, 0 \ a) L=? 548 X[n] P(I) [17] elnJ

$$\frac{\sqrt{3}}{\sqrt{3}} = \left[\frac{1}{\sqrt{3}} \right] \left[\frac{1}{\sqrt{3}} \right] = \frac{51}{48}$$
 $= \left[\frac{5}{48} \right] \left[\frac{23}{48} \right] \left[\frac{1}{2} \right] = \frac{51}{48}$
 $= \left[\frac{6}{3} \right] = \frac{15}{48}$

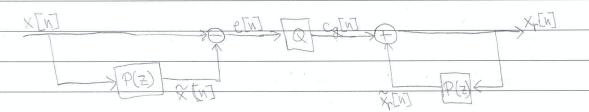
$$P(Z) = 2.Z^{-1}$$

$$e_{g} = round_{g}(2.e) | 2$$

$$x[0] = \frac{1}{4}$$

$$x[1] = \frac{3}{4}$$

$$x[2] = \frac{5}{2}$$



$$X[N] = 2 \cdot X[N-1]$$

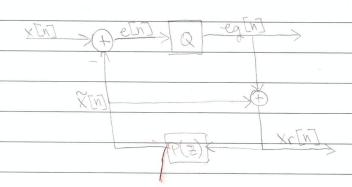
$$Xr[n] = Xr[n] + eq[n]$$

$$N=0$$
 $\tilde{\chi}.[0]=2.\chi[-1]=0$

$$x_{r}[0] = 0 + \frac{1}{2} = \frac{1}{2}$$

$$N=1$$
 $X[N]=2$, $X[O]=2$. $\frac{1}{2}=1$

$$X_{\Gamma}[1] = \frac{1}{2}$$
 $X_{\Gamma}[2] = \frac{5}{2}$



$$P(Z) = 2.Z^{-1}$$

 $e_0 = round(2.e) | 2$
 $x[0] = \frac{1}{2} \times [1] = 0 | 4 \times [2] = \frac{5}{2}$

$$e[n] = x[n] - x[n]$$

$$xr[n] = eq[n] + x[n]$$

$$x[n] = 2 \cdot xr[n-n]$$

8.
$$E(x) = 0$$

$$A = 1 \quad [13x^2 - 1] \quad x \in [-\frac{1}{2}, \frac{1}{2}]$$

$$F_{x}(x) = 0 \quad \frac{1}{4} \quad x \in [-\frac{1}{2}, -1] \quad U[1, \frac{3}{2}]$$

$$0 \quad \text{wace}$$

