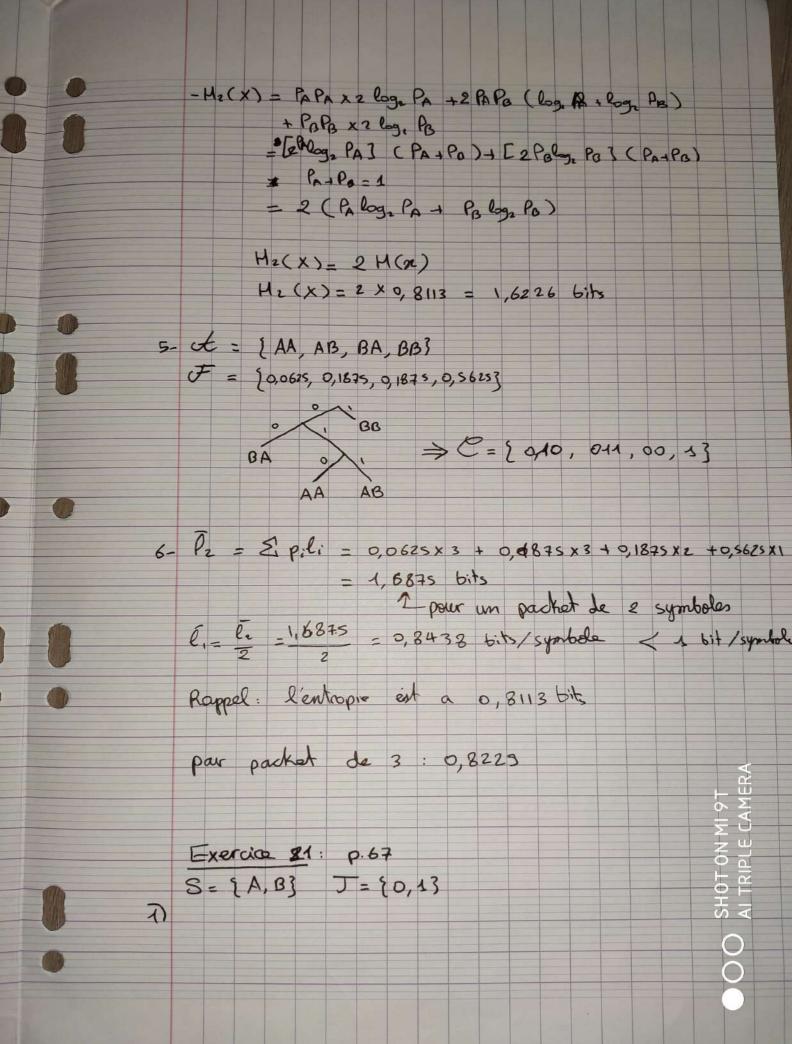
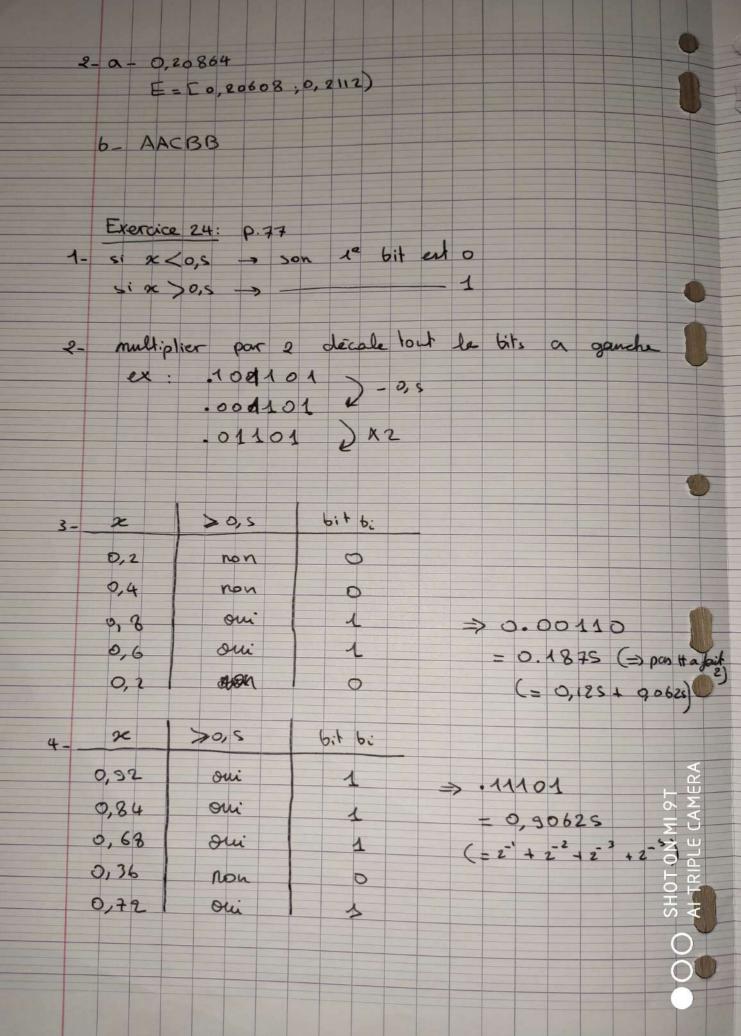


4- l = 5 pc li = 0,14 x 3 + 0,02 x s + 0,014 x 3 + 0,13 x 3 + 0, atx 5 = 3,3 bits Rappel entropie = 3,27 => possible de favre mieux 5- 100. 110,010, 101, 1110, 0010, 011, 11110, 101 longueur = 32 bits 6- CTF longueur = 3x4 = 36 6its Huffman est plus efficace mais l'optimum p'est pas attent Exercice 20: p.62 7 C= 90,13 2- H(X) = -0,25 loge 0,25 - 0,75log 0,75 = 0,8113 bits @-1 3- PERAJ = PERAJX PERAJ = 0,25 x0,25 = 0,0625 I car exements sont independents PELABJ = PELAJ x PELBJ = 0, 1875 Pr [BA] = 0,1875 PC E BB3 = 0,5625 4- H2 (X) = -PAN log_PAA ... - PBB log_ PBB PAR log, PAR = PAX PA log, (PAXPA) = PA2 2 log PE PAB log, PAB = PAXPA log, (PAXPB) = POA log, PAA = PAXPB (log 2 PA + log 2 PB) PBB log POB - Pe 2 log PB



				CI	sortie
	Lecture	2 113	F 203	0	0.0
	AAAA BABB	¿A, M3	11,03		1
	A		82,03	× 1	
	A	įΑ,Λ3		MA	1
	A		24,0}		1
	В	¿A,B,13	29,1,03	BA	0.1
	A		25,1,03		1
	В		15,2,03		01
	B		25,3,0}		01
			FI	0	sortie
2-	Ledime		103		
	00110101101011	(1) EAS	403	1	A
	00	IAM			A
			12,03		A
	01	SABAR	{3,1,0}		B
	91	(4)	13,2,03	N B	B
			(4,2,0)		A
	O1		(4,5,0)		B
	01	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	14,4,01		B
		111 (B,A,T)	{2,4,0}		888
	Exercice 22:	0.69			
1-	Partie statiq	sur Teg	287 =3		
	Partie statiq	5 0.10	1		
		0 10.0			
	16 2	0 110.	000		
	23 2	7 / 110.	111		
		voriable	Shakique		

SHOT ON MI 9T AI TRIPLE CAMERA



· O	Exercice 25	: 0.32
	S= & A,B,	
J		FA = [0,04) FB = [0,4,0,8)
		F = 5 128.1
6	Codage A	134BC
	0 1- 6	Ex
		[0,1) [0,05]
	code A	0+(1-0)x [0;0,4) = [0;0,4)
-0		2 x Co; 0,4) = Co; 0,8)
		0 + (0,8-0) × [0,4,0,8]=[0,32,064)
	code A	0,32 + (0,64-0,22) x (0,0,44) = [0,52,0,448)
	51	2x [0,32;0,448) = [0,64;0,824) ((45;1) 0
	S ₂	2x([0,64;0,836)-9,1) = [0,28;0,732) 1
	Code B	0,28+(0,392_0,28) x [0,4,0,8)
A		E 3,4848, 9686
	Code C	0,4848+(0,6889_0,4848) x C0,8;1)
		= E 0,64864, 0,6896) C Cas, 1)
	S2	2 x ([0,64864,0,6896)_0,1)
		= [0,29728; 0,3792)
		C (CO; DS)
	51	2 x [0,23728; 0,3192)
0	322	= [0,59456, 0,7584)
	52	2x([0,59456,0,3584)-0,5)
		= E0, 18 912; 0, S198)
	ajout 1	
	3	
	le code a	withmétique ansocié a ABABC = .001101
	- Jan 0	= 0, 23 51 25
		S A
0		
0		

	2-la +	peth pth	ond a	rq 2-a	< Pmin 2	2 = 0,2 => 9 min = = = = = = = = = = = = = = = = = = =	K Jumbe
	Operation	P	9	binaso	l r		
	docade	1	4	. 0011	0,1875	(0,1875_0)/(1.0) [0,4) = 0,1875 = FA 0+10;0,4 = 10;0,4 = 10;0,4)x(1.0)
	S1	2	4			2x[0;0,0	+)=[0,0,8)
	decode	2	4	.0110	0,345	(0,375-0)/(0,8-0) 0+[0,4 = 0,4687 > ∈ ₹B (0,8-0 = [0,32) D
	Precison X		5				
	decode	2	5	.01101	0,40625	0,26953 EFA [0,32; 0	(8448) A
	S1	3	5			[0,64;0	(896)
Son Zea	Sz	4	(4)			To,28,	
Semalice Semalice	decode	4	4	.1011	0,6875	0,79589 € FB C0,48	48,0,6ex B
	decode	4	5	.10 110	2,687,0	0,98974 E Fc [0,64	68967
	S2	5 4	8			Logs	728:
						0,37	1927
	51	6					6, 0,258
	52	7	4				2 ; 95168
	arrêt			1000	100	0,1630	
	amer			-1000	10,5		MI 9T
							SHOT ON I
							OT
							S E
							0
							0