- 1. Our neighbour, Mr. Jones, receives each early morning a bottle of milk, which is left in front of his door. However, when he opens the door the bottle is usually open and empty. Mr. Jones thinks that the cause of not finding milk is one of the following animals: a cat, a dog or an owl. He asks other neighbours in order to find more evidences:
 - On Monday, Mrs. Pink says that it must be the dog or the cat, with a confidence of 80%.
 - On Tuesday, Mr. Black thinks that it is the cat or the owl, with 70%.
 - On Wednesday, Ms. Brown believes that it is a bird (thus, the owl) with 60%.

Indicate which is the frame of discernment and model the mass functions of these three clues. After that, calculate the belief and plausibility of the facts for each of the three days. At the end, is there any animal free of suspect? And which animal is the cause of drinking the

milk? Tuesday w₂ (co) = 0.7 m₂ (bco) = 0.3 m, (Da) = 08 m1 (DCO) = 0.2 Wedn. mg (0) = 0.6 m3 (DCO) = 04 M 3 BI Ms DC08 DC002

CO07 C 0.56 CO014

DC003 DC024 DC00.06

No conject 1620 0 DC 08 DO 0 CO 0 0 DCO 02 10

,	MI+M2	B2	P_2
Ø	0	0	0
D	O	O	03
C	0.56	0.56	λ
G	D	0	0.2
DC	0.24	0.8	λ
DB	D	O	0.44
C0	0.14	0-867	人
PCO	0.06	1	λ

¥				v.		
m/m;	2	De	0.14	DCO		
w3	0.56	0.24	0.19			
	Ø	ø	0	8		
0.6	0.336	० ।५५	0.084	0.036		
	C	DC	(0	DCO		
DCO 0.4	0.224	0.096	0.054	0.024		
Degree 9 wiglict K = 0.336 + 0.144 = 0.48						
Many (0) = 0.084+0 cyc = 012 052						

	1 W1+12+12) B3	P3	, wee
ϕ	0	0	0	Dos of mosped.
D	0	0	0.231	
9	0.434	0131	ग ्नस्	Out seems to dink the
0	0.231	0.231	0.384	losin
DC	0.185	0.616	0.769	
De	0	0 231	0.569	
CO	0.107	0769	4	
DCG	0.046	1	1	
	8.1			