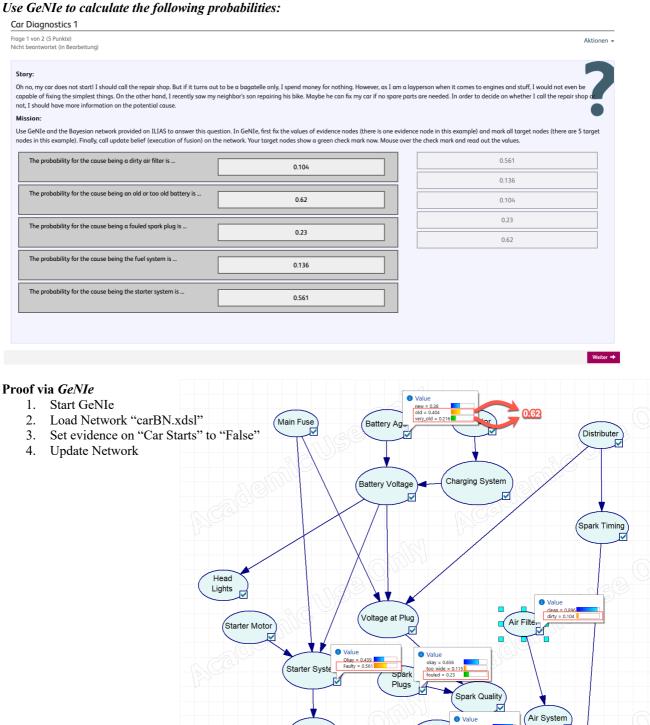
Aufgabe 2) Technical Applications: Car Start Problem 1 (1 Point)

Car Diagnostics 1



Car Cranks

Fuel Syste

Car Starts

0% False 100%

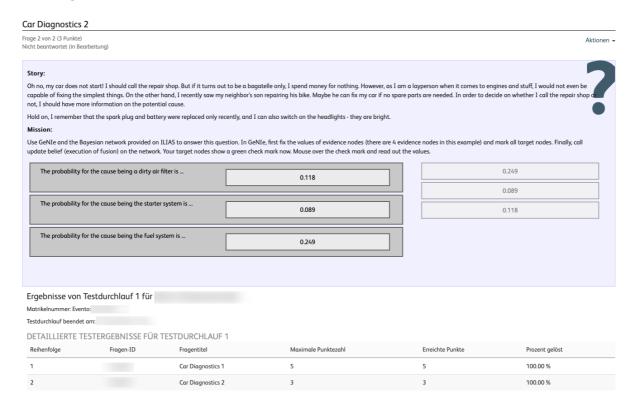
True

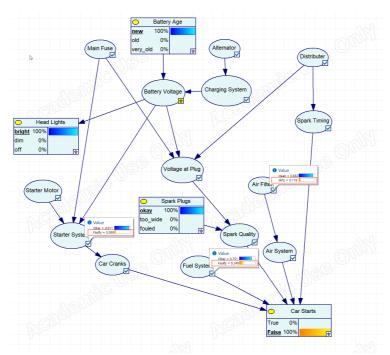
Which recommendation would you give to the person in the story?

Antwort:

• Wie alt die Batterie ist → Licht einschalten und Tank kontrollieren.

Car Diagnostics 2





Which recommendation would you now give to the person in the story?

Antwort:

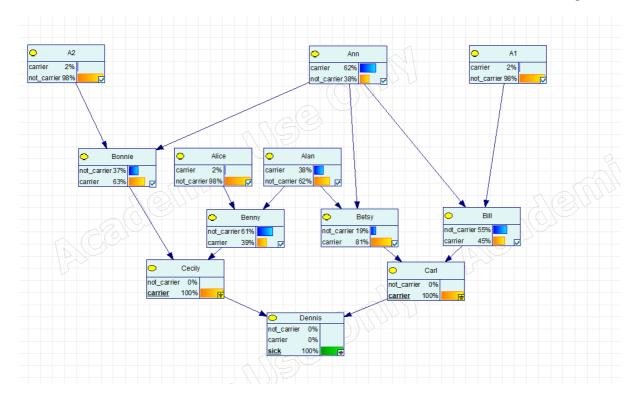
• Tanken

100.00 %

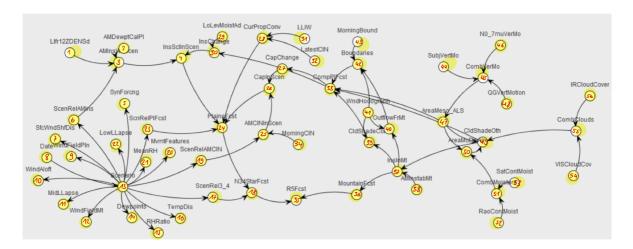
Aufgabe 3) Agricultural Applications: A Stud Farm (1 Point)

Stud Farm

Stud Farm						
Frage 1 von 1 (10 Pun Nicht beantwortet (in						Aktionen +
Problem:						
	as with the mare Ann sired Betsy and eunknown) are in no way related. Carl			nny has with Bonnie sired Ceci	ly. Both Bill and Bonnie are born by Ann, but their father	rs A1
farm wants the ge fine mare, whereas	ne out of production, Carl and Cecily a	re taken out of breeding b	ecause they both must be carriers of the g	ene with genotype Aa. Which	is so serious that Dennis is put down instantly, and as t other horses are to be taken out of breeding? Bonnie is of each of the horses being carrier of the sick gene. No	a very
	n network in GeNIe, add the condition orobability of being carrier for each hor		nodes, insert evidence (there is one evidence	e node in this example) and n	nark all nodes as target nodes. Update belief (execute fu	usion)
A1 is carrier w	vith probability		0.02		0.02	
					0.018	
A2 is carrier w	vith probability		0.018		0.38	
Alan is carrier with probability					0.019	
	, ,	L	0.38		0.624	
Alice is carrier	r with probability		0.019		0.386	
					0.805	
Ann is carrier	with probability		0.624		0.449	
Benny is carrier with probability					0.625	
			0.386		1	
Betsy is carrie	er with probability		0.805			
Bill is carrier v	with probability		0.449			
Bonnie is carr	ier with probability		0.625			
Carl and Cecil	ly are carrier with probability		1			
Fraehnisse van	Testdurchlauf 1					
Matrikelnummer: Eve						
Testdurchlauf beende	et am:					
	TESTERGEBNISSE FÜR TESTI		Mandanala Dualdanald	F	Donate III	
Reihenfolge	Fragen-ID	Fragentitel	Maximale Punktezahl	Erreichte I	Punkte Prozent gelöst	



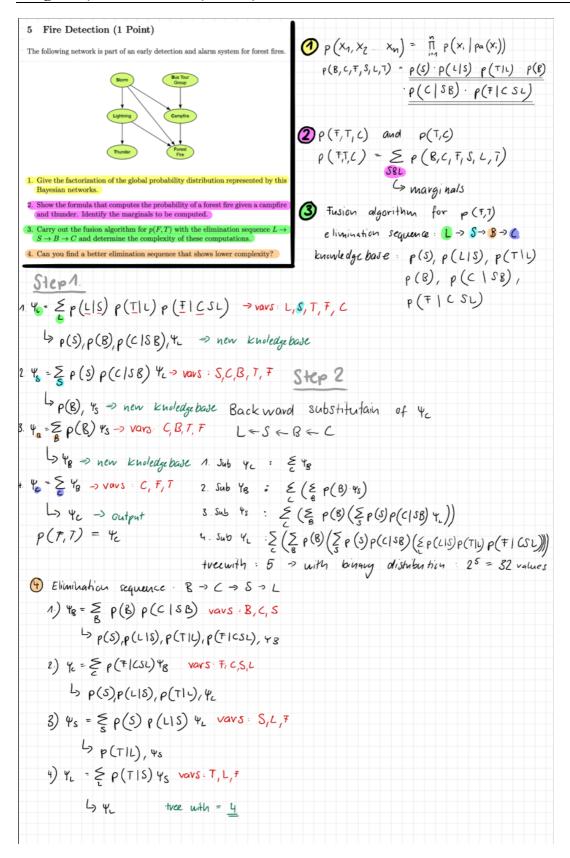
Aufgabe 4) Meteorological Applications: Hailfinder (1 Point)



$$\frac{2^{56} \cdot 10^{-6}}{356 \cdot 24 \cdot 66 \cdot 60} = \frac{\frac{2^{56}}{10^{6}}}{365 \times 24 \times 60 \times 60} = 2284, 3 \text{ Jahre}$$

Um die globale Wahrscheinlichkeitsverteilung zu berechnen, würde man rund 2285 Jahre benötigen.

Aufgabe 5) Fire Detection (1 Point)



Michael Nebroj Steve Ineichen Remo Schwarzentruber Serge Hauri

Aufgabe 6) Car Start Problem 2 (1 Point)

By Michi...