

Elskaren puzzle

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1. Elskaren puzzle

10 persons live in a suburb. All are of different nationality, prefer different pets, and have their houses painted in different colors. Furthermore, everyone has his own cigarette brand, and drives a car from a different manufacturer.

2. Properties

position

1 2 3 4 5 6 7 8 9 10 ; **left_side** = { 1 2 3 4 5 }

color

black blue brown green grey pink purple red white yellow

nationality

danish english french german japan norwegian polish russian spanish
swedish

pet

cat dog donkey fish guinea_pig horse monkey rabbit spider bird

cigarette

blend camel chesterfield commerce john_silver kent look marlboro pall_mall
prince

car

bmw fiat ford jaguar opel porsche rolls_royce saab skoda volvo

3. Rules

1. The Frenchman drives Volvo. (equivalence nationality = french car = volvo)
2. The Pole lives in the blue house. (equivalence nationality = polish color = blue)
3. The Japanese smokes Look. (equivalence cigarette = look nationality = japan)
4. The Spaniard owns a donkey. (equivalence nationality = spanish pet = donkey)
5. The Prince-smoker drives a SAAB. (equivalence cigarette = prince car = saab)
6. The Englishman has guinea pigs. (equivalence nationality = english pet = guinea_pig)
7. The BMW-owner keeps fish. (equivalence car = bmw pet = fish)
8. The blue house is facing the red. (facing color = blue color = red)

- 9.** The Fiat-owner lives between the guinea pig owner and the rabbit owner. (neighbor car = fiat pet = guinea_pig) (neighbor car = fiat pet = rabbit)
- 10.** The Ford-owner is a neighbor to the John Silver smoker. (neighbor car = ford cigarette = john_silver)
- 11.** The Blend-smoker lives in a white house. (equivalence cigarette = blend color = white)
- 12.** The Look-smoker is a neighbor to the red house. (neighbor cigarette = look color = red)
- 13.** The cat-owner is living in the house facing the Chesterfield smoker. (facing pet = cat cigarette = chesterfield)
- 14.** The Pall Mall-smoker is neighbor to the dog owner. (neighbor cigarette = pall_mall pet = dog)
- 15.** The house of the horse owner is facing the house of the Jaguar owner. (facing pet = horse car = jaguar)
- 16.** The purple house on the left side keeps birds. (equivalence color = purple pet = bird) (property_in color = purple position = left_side)
- 17.** The guy driving Opel is living in a yellow house. (equivalence car = opel color = yellow)
- 18.** The brown house resides in the lower left corner. (equivalence position = 0 color = brown)
- 19.** The rabbit owner lives neighbor to the Kent smoker. (neighbor cigarette = kent pet = rabbit)
- 20.** Neighbor to the black house is the Camel smoker. (neighbor cigarette = camel color = black)
- 21.** The bird owner is neighbor to the Skoda owner. (neighbor pet = bird car = skoda)
- 22.** The Commerce smoker is neighbor to the Russian. (neighbor cigarette = commerce nationality = russian)
- 23.** The green house is located between the red house and the pink house. (neighbor color = green color = pink) (neighbor color = red color = green)
- 24.** The Kent smoker is living facing the black house. (facing cigarette = kent color = black)

25. The Dane is living neighbor to the Englishman. (neighbor nationality = danish nationality = english)
26. The Marlborough smoker lives facing the Pole. (facing cigarette = marlboro nationality = polish)
27. The dog owner is not neighbor to the Japanese. (not_neighbor pet = dog nationality = japan)
28. The person driving SAAB lives in a grey house. (equivalence car = saab color = grey)
29. The pink house is facing the brown. (facing color = pink color = brown)
30. The Porsche owner lives in a red house. (equivalence car = porsche color = red)
31. The Swede is neighbor to the Volvo owner. (neighbor nationality = swedish car = volvo)
32. The Russian is neighbor to the Norwegian. (neighbor nationality = russian nationality = norwegian)
33. In the house located in the upper left corner, Prince is being smoked. (equivalence position = 4 cigarette = prince)
34. The monkey owner is a neighbor of the brown house. (neighbor pet = monkey color = brown)
35. The monkey owner lives between the Skoda owner and the spider owner. (neighbor pet = monkey car = skoda) (neighbor pet = monkey pet = spider)
36. The Swede is not the cat owner. (exclusion nationality = swedish pet = cat)
37. The dog owner is a neighbor of the cat owner. (neighbor pet = dog pet = cat)