

# Orginal (?) Einstein Puzzle

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## 1. Original (?) Einstein Puzzle

There are 5 houses. each a different colour. A person of a different nationality is in each house. The 5 owners each drink a certain drink, each smoke a certain brand of cigarette, and each have a certain pet. No owner has the same pet, smokes the same brand of cigarettes nor drinks the same drink as any other. The question is: Who has the fish?

## 2. Properties

**position**

1 2 3 4 5

**color**

yellow blue red white green

**nationality**

norwegian swedish english danish german

**pet**

hare horse bird dog cat

**drink**

water tea milk beer coffee

**cigarette**

pall\_mall blend prince dunhill bluemaster

## 3. Rules

1. The British man lives in the red house. (equivalence nationality = english color = red )
2. The Swedish man has a dog for a pet. (equivalence nationality = swedish pet = dog )
3. The Danish man drinks tea. (equivalence nationality = danish drink = tea )
4. The green house is to the left of the white house (to\_right color = white color = green )
5. The owner of the green house drinks coffee (equivalence color = green drink = coffee )
6. The person that smokes Pall Mall has a bird (equivalence cigarette = pall\_mall pet = bird )
7. The owner of the yellow house smokes Dunhill (equivalence color = yellow cigarette = dunhill )
8. The person that lives in the middle house drinks milk (equivalence position = 2 drink = milk )

9. The Norwegian lives in the first house (equivalence position = 0  
nationality = norwegian )
10. The person that smokes Blend, lives next to the one that has a cat (neighbor  
cigarette = blend pet = cat )
11. The person that has a horse lives next to the one that smokes Dunhill (neighbor  
pet = horse cigarette = dunhill )
12. The one that smokes Bluemaster drinks beer (equivalence cigarette =  
bluemaster drink = beer )
13. The German smokes Prince (equivalence nationality = german  
cigarette = prince )
14. The Norwegian lives next to a blue house (neighbor nationality =  
norwegian color = blue )
15. The person that smokes Blend, has a neighbour that drinks water (neighbor  
cigarette = blend drink = water )