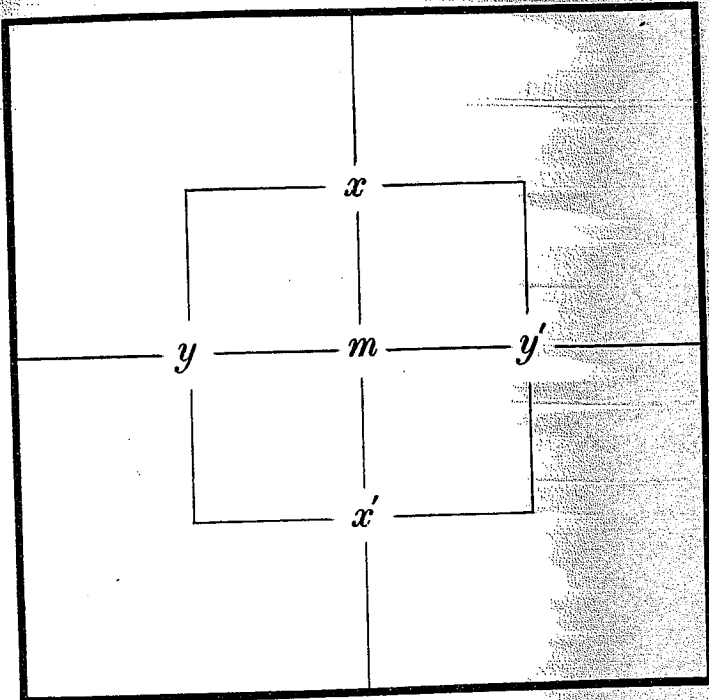


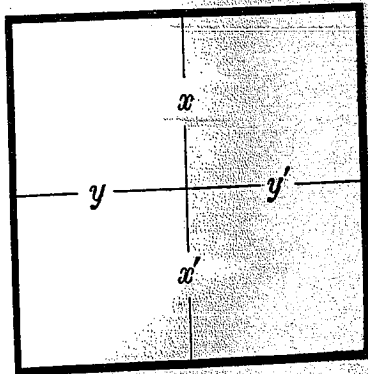
From
"The Game of
Logic"
by Lewis Carroll

(1887)



THE GAME
OF
"LOGIC."

Instructions, for playing
this Game, will be found in
the accompanying Book.



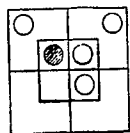
A Syllogism worked out.

That story of yours, about your once meeting the
sea-serpent, always sets me off yawning;
I never yawn, unless when I'm listening to some-
thing totally devoid of interest.

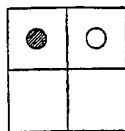
The Premisses, separately.



The Premisses, combined.



The Conclusion.



That story of yours, about your once meeting the
sea-serpent, is totally devoid of interest.

From
"Symbolic
Logic"
by Lewis Carroll
(1887)

52.

- (1) Everything, not absolutely ugly, may be kept in a drawing-room ;
- (2) Nothing, that is encrusted with salt, is ever quite dry ;
- (3) Nothing should be kept in a drawing-room, unless it is free from damp ;
- (4) Bathing-machines are always kept near the sea ;
- (5) Nothing, that is made of mother-of-pearl, can be absolutely ugly ;
- (6) Whatever is kept near the sea gets encrusted with salt.

Univ. "things" ; a = absolutely ugly ; b = bathing-machines ; c = encrusted with salt ; d = kept near the sea ; e = made of mother-of-pearl ;
 h = quite dry ; k = things that may be kept in a drawing-room.

53.

- (1) I call no day "unlucky," when Robinson is civil to me ;
- (2) Wednesdays are always cloudy ;
- (3) When people take umbrellas, the day never turns out fine ;
- (4) The only days when Robinson is uncivil to me are Wednesdays ;
- (5) Everybody takes his umbrella with him when it is raining ;
- (6) My "lucky" days always turn out fine.

Univ. "days" ; a = called by me 'lucky' ; b = cloudy ; c = days when people take umbrellas ; d = days when Robinson is civil to me ; e = rainy ;
 h = turning out fine ; k = Wednesdays.

54.

- (1) No shark ever doubts that it is well fitted out ;
- (2) A fish, that cannot dance a minuet, is contemptible ;
- (3) No fish is quite certain that it is well fitted out, unless it has three rows of teeth ;
- (4) All fishes, except sharks, are kind to children.
- (5) No heavy fish can dance a minuet ;
- (6) A fish with three rows of teeth is not to be despised.

Univ. "fishes" ; a = able to dance a minuet ; b = certain that he is well fitted out ; c = contemptible ; d = having 3 rows of teeth ; e = heavy ;
 h = kind to children ; k = sharks.

55.

- (1) All the human race, except my footmen, have a certain amount of common-sense ;
- (2) No one, who lives on barley-sugar, can be anything but a mere baby ;
- (3) None but a hop-scotch player knows what real happiness is ;
- (4) No mere baby has a grain of common sense ;
- (5) No engine-driver ever plays hop-sotch ;
- (6) No footman of mine is ignorant of what true happiness is ;

Univ. "human beings" ; a = engine-drivers ; b = having common sense ;
 c = hop-sotch players ; d = knowing what real happiness is ;
 e = living on barley-sugar ; h = mere babies ; k = my footmen.

[Ans. 133 ; Sol. 162, 163.]

(1) 1
(2) 1
(3) 1
(4) 1
(5) 1
(6) 1

Univ.
trust

(1) 1
(2) 1
(3) 1
(4) 1
(5) 1

(6) 1
(7) 1

U
c = in

(1) 1

(2) 1

(3) 1

(4) 1

(5) 1

(6) 1

(7) 1

(8) 1

Univ.
that
c = n

An

59.

- (1) All the dated letters in this room are written on blue paper ;
- (2) None of them are in black ink, except those that are written in the third person ;
- (3) I have not filed any of them that I can read ;
- (4) None of them, that are written on one sheet, are undated ;
- (5) All of them, that are not crossed, are in black ink ;
- (6) All of them, written by Brown, begin with "Dear Sir" ;
- (7) All of them, written on blue paper, are filed ;
- (8) None of them, written on more than one sheet, are crossed ;
- (9) None of them, that begin with "Dear Sir," are written in the third person.

"Univ. letters in this room" ; a = beginning with "Dear Sir" ;
 b = crossed ; c = dated ; d = filed ; e = in black ink ;
 h = in third person ; k = letters that I can read ; l = on blue paper ;
 m = on one sheet ; n = written by Brown.

60.

- (1) The only animals in this house are cats ;
- (2) Every animal is suitable for a pet, that loves to gaze at the moon ;
- (3) When I detest an animal, I avoid it ;
- (4) No animals are carnivorous, unless they prowl at night ;
- (5) No cat fails to kill mice ;
- (6) No animals ever take to me, except what are in this house ;
- (7) Kangaroos are not suitable for pets ;
- (8) None but carnivora kill mice ;
- (9) I detest animals that do not take to me ;
- (10) Animals, that prowl at night, always love to gaze at the moon.

Univ. "animals" ; a = avoided by me ; b = carnivora ; c = cats ;
 d = detested by me ; e = in this house ; h = kangaroos ;
 k = killing mice ; l = loving to gaze at the moon ; m = prowling at night ;
 n = suitable for pets ; r = taking to me.

[Ans. 133 ; Sol. 163.]