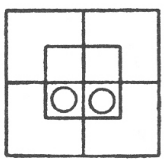
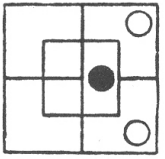


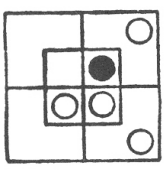
A Syllogism worked out.

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

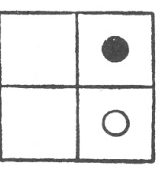
The Premisses, separately.



The Premisses, combined.



The Conclusion.



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

extension of these ideas to a sorites with more than two propositions. The language he uses is more sophisticated than in *The Game of Logic*, and he employs notation to shorten the exposition. For example, starting with the propositions

- Babies are illogical
- Nobody is despised who can manage a crocodile
- Illogical persons are despised

he writes

Univ. "persons"; a = able to manage a crocodile; b = babies;
 c = despised; d = logical

and uses dashes for their opposites, so that the propositions become

All b are d \neq No a are c and All d \neq are c

Using the above method to eliminate the common term d from the first and third propositions yields

All b are c

Combining this with the second proposition then yields the conclusion

All b are a \neq : Babies cannot manage crocodiles

Pairs of Premisses for Syllogisms. (Answers only are supplied.)

1. All pigs are fat; Nothing that is fed on barley-water is fat. $x_1 m_0' \uparrow y_1 m_0 \uparrow x_1 y_0$
2. All rabbits, that are not greedy, are black; No old rabbits are free from greediness. $m_1' x_0' \uparrow y_1 m_0' \uparrow x_1 y_1'$
3. Some pictures are not first attempts; No first attempts are really good. $x_1 m_1' \uparrow m_1 y_0$ No Good.
4. Toothache is never pleasant; Warmth is never unpleasant. $x_1 m_0 \uparrow y_1 m_0' \uparrow (x_1 y_0 \uparrow m_1 x_0)$
5. I never neglect important business; Your business is unimportant. $m_1 x_0 \uparrow y_1 m_0$ No Con. $y_1 x_0$
6. No pokers are soft; All pillows are soft. $x_1 m_0 \uparrow y_1 m_0' \uparrow y_1 x_0$
7. Some lessons are difficult; What is difficult needs attention. $x_1 m_1 \uparrow m_1 y_0 \uparrow x_1 y_1$
8. All clever people are popular; All obliging people are popular. $x_1 m_0' \uparrow y_1 m_0' \uparrow$ No Con.
9. Thoughtless people do mischief; No thoughtful person forgets a promise. $m_1' x_0' \uparrow m_1 y_0 \uparrow x_1 y_1$
10. Pigs cannot fly; Pigs are greedy. $m_1 x_0 \uparrow m_1 y_0 \uparrow x_1 y_1$

