

## **Algorithmic description of food-getting behavior in rats**

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The modified method of conduction of direct and indirect delayed reactions in rats will be discussed in this report. The modified method allows determining the maximum duration of implicit and explicit memory in animals.

It is also possible to observe how the rats learn to get food in pre-delayed behavior under conditions of two feeders. There are three versions of food obtaining. First - when the animal goes to the feeder with meal and eats it. Then the animal runs to an empty feeder, does not eat and comes back to the starting section itself or with the help of experimenter. Second - when the animal runs to empty feeder to make correction, then runs to the feeder with meal, eats and returns to the starting section itself or with the help of experimenter. Third - when the rat gets food from one feeder.

Food-getting behavior is algorithmically described. It will be established how the chaotic algorithm is set into the correct algorithm. The learning takes place. The active time necessary for the animal to fulfil the ten trials will be determined.