Assignment No 1: 8 puzzle solve

CSE-0408 Summer 2021

Name:Nomrota Howlader Sema
Department of Computer Science and Engineering
State University of Bangladesh (SUB)
Dhaka, Bangladesh
email address : nomrotahowladersema@gmail.com

***Abstract*—A heuristic function h(n) , takes a node n and returns a non-nenge real number that is an estimate of the cost of the least-cost path from node n to a goal node. The function Mn) is an admissible heuristic if h(n) is always less than or equal to the actual cost of a lowest-cost path from node n to a goal. Index Terms—Ahout Heuristic Function ,the 8-puzzle problem in Python.**

n

***Index Terms*—The word mostly used in your report.**

I. Definition: The heuristic function is a way to inform the search about the direction to a goal. It provides an informed way to guess which neighbor of a node will lead to a goal. There is nothing magical about a heuristic function. It must use only information that can be readily obtained about a node. Objective of heuristics function:The heuristic function is a way to inform the search about the direction to a goal. It provides an informed way to guess which neighbor of a node will lead to a goal. There is nothing magical about a heuristic function. It must use only information that can be readily obtained about a node.

II. The study of heuristics in human decision-making was developed in the 19708 and the 19805 by the psychologists Amos Tvcrsky and Daniel Kahneman although the concept had been originally introduced by the Nobel laureate Herbext A. Simon. whose original. primary object of research was problem solving that I showed.

III. Heuristics are methods for solving problems in a quick way that delivers a result that is sufficient enough to be useful given time constraints. investors and financial professionals use a heuristic approach to speed up analysis and investment decisions. The Initial state is [[8,1,2].[3,6,4].[0,7,5]] and the goal state is [[1,2,3],[8,0,4],[7,6,5]]

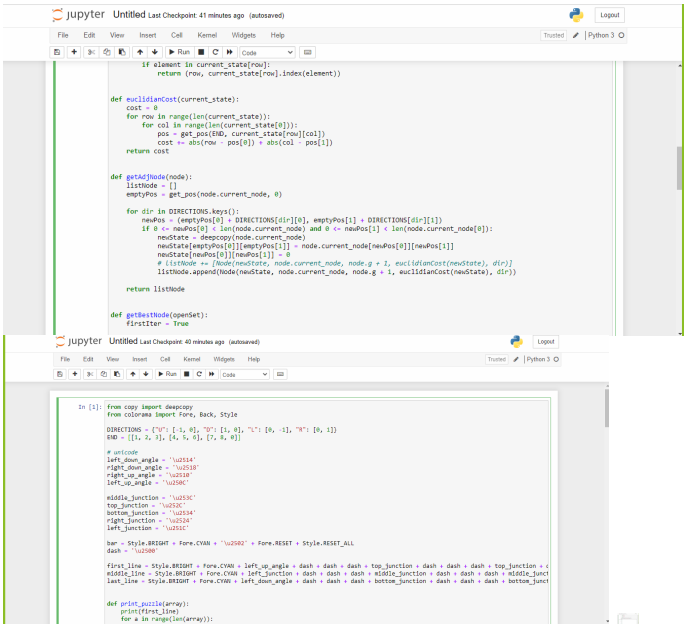
IV. Conclusion and Future Work

In future, what you bring in your project and the idea of your work.

Acknowledgment

I would like to thank my honourable**Khan Md. Hasib Sir** for his time, generosity and critical insights into this project.

V. Code Picture



References

[1] G. Eason, B. Noble, and I. N. Sneddon, “On certain integrals of Lipschitz-Hankel type involving products of Bessel functions,” Phil. Trans. Roy. Soc. London, vol. A247, pp. 529–551, April 1955.
[2] J. Clerk Maxwell, A Treatise on Electricity and Magnetism, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68–73.
[3] I. S. Jacobs and C. P. Bean, “Fine particles, thin films and exchange anisotropy,” in Magnetism, vol. III, G. T. Rado and H. Suhl, Eds. New York: Academic, 1963, pp. 271–350.
[4] K. Elissa, “Title of paper if known,” unpublished.
[5] R. Nicole, “Title of paper with only first word capitalized,” J. Name Stand. Abbrev., in press.
[6] Y. Yorozu, M. Hirano, K. Oka, and Y. Tagawa, “Electron spectroscopy studies on magneto-optical media and plastic substrate interface,” IEEE Transl. J. Magn. Japan, vol. 2, pp. 740–741, August 1987 [Digests 9th Annual Conf. Magnetics Japan, p. 301, 1982].
[7] M. Young, The Technical Writer’s Handbook. Mill Valley, CA: University Science, 1989.