A. La Heovistic Function

La Est: mater cost Reaching Goal from a wode,

La considers both Distance already traveled from start

And Remaining Vistana to the good

Concepts

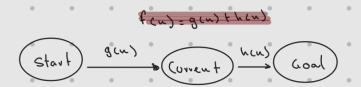
Lowoode: Point in your Groph

· Path cost: Cost of moving from wood to wood

L. Edges: Connection between Woodes

· Heuristic: Fst: mated Cost from Any Wode to Gool

· search space: Collection all poss. polls.



## Cost function:

· Path cost a cud:

La How to Calculate? E w Cni vi+1)

weight of Edge
connecting was

g(nn) = & w(ui, niei)

Accombates as we move through Greaph

Heuristic function hous

Lo Estinated Cost from Current wode to good wode

20 For any woode, the howristic estimate must satisfy: hon & h\*(1)

cost to

· For MAPS

Lo Manhattan Distance.

Lo Euclidean Ostane

· Kan) = [x,-xs[f (d,-ds] Kan) = (x,-xs) + (d,-dr) s

Lose usa para Robots que preden : « en codquier Dirección.

GNO se prede moner

Total Estimated Cost:

fend = gend + hens

- > hem as Importante

ya que podría tomar Caminos muy langos que porecen Things to code:

Lo Open list:

- · Modes to be evaluated
- · Sorted by tens value
- · New wodes Added as Discound

Los Clased List:

- · Evaluated Woodes
- · Avoid re-evaluating woods
- · lecarstruct find path