## Artificial Intelligence - Lab Assignment 4

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Start node : (7,2)Goal node: (6,6) Current Jeauching Closed List GT GOOD TRAN Open List F [[(8,2), 1], [(7,1),]] (7,2) [(7,2)]{[(7,2),0]} | F | { [t, 2], 2], [(8,1),2]} [(5,8),(5,7)] {[(6,2],1],[(7,1),1]4 (8,Z)  $|\{[(8,1),2],[(7,0),2]\}|$  $\left|\left(\left(1,7\right),\left(5,1\right),\left(5,\Gamma\right)\right)\right|$ { ([1,1), [], [(9,21,2]], [(8,1),2]} [(7,1),1]3 1 \(\(\gamma\_1^2\), \(\lambda\_1^2\), \(\gamma\_1^1\), \(\gamma\_1^2\), \(\gamma\_1^2\), \(\gamma\_1^2\) [{[(9,1),3],[(9,3),3]} [[(7,2),0],[(8,2),1],[[(9,2),2],[(8,1),2], [(9,2), 2][(7,0),2]} {[(9,1),3],[(0,0],3] (8,1) [-1,-1,(8,1)]ل [(۲٫۱), وم] ((۲٫۱), آر) {[(8,1),2], [(7,0),2], [(8,1),2]] [(9,1),3],[(9,3),3]} [{(7,2,0),(2,1), | F \{(6,0,3),(8,0,3)} { [[7,01,2],[(9,1),3], (7,0), [-1,-,(7,0)](7,0,2)3 [9,3),3],[6,01,3]/ [(7,2,0),(7,1,1), [ { (9,0,4) }  $\{(9,1,3), (9,3,3), (8,0,3), (9,1), [7-1,-1, (9,1)]$ (6,1,2),(9,1,3)} (6,0,3)}

Open List	N	Closed List	GT	Successor	· lath
{(9,3,3), (8,0,3),, (6,0,4)}		[-11-, (9,3)]		{ (9,4,4)}	$\{(8,0,3),(6,0,3),(9,4,4)\}$
{(8,0,3),(6,0,3), (9,0,4),(9,4,4)}	(8,0)	[-11-, (6,0)]		{(9,0,4)}	$ \left\{ (7,2,0), (7,1,1), (7,0,2), (8,0,3), \right\} $
{ (6,0,3), (9,0,6), (9,6,6) }	(6,0)	[-11-, (6,6)]	1	{ (5,0,4)}	{(7,2,0), (7,1,1), (7,0,2), (6,0,3)}
{ (9,0,4),(9,4,4), (5,0,4)}	(9,6)	[-11-, (9,0)]	F	{ }	{(7,2,0), (7,1,1)}, (7,0,2), (8,0,3),
{ (9,4,4), (5,0,4)}	[9,4]	[-11-, (9,4)]	F	{(0,4,5), (9,5,3)}	(9,0,4)} {(7,2,0],(8,2,1),
{(5,0,4),(8,4,9), (9,5,5)}	(5,0)	[-"-, (5,0)]	F	{(4,0,5),(5,1,5)}	(9,2,2), (9,3,3), (9,4,4,3) (7,2,0), (7,1,1),(7,9,2), (6,0,3), (5,0,4,3)
{ (8,4,5), (9,5,5), (4,6,1)}	(8,4)	[-11-,(8,4)]	T	· · · · · · · · · · · · · · · · · · ·	{(7,2,0),(8,2,1), (9,2,2),(9,3,3),
			, -	* - 1	(9,4,4), (8,4,5))

For Bell- first leanth:

Same path and fable for BEFS.

Signor

For A-Itay:

Jame path and talle for A-Itay

(e)t = 5 for all