Ejercicio 1 - Algoritmo A

		L	J
	e ←	- K ←	– _↑ I
			G
	С	A	→ D
		i	
Н	E	В	F

$$E = \{\}\ F = \{i_0^4\}\ T(i) = F$$

$$E = \{i_{0.4}^{4}\}$$
 $F = \{A_{(i)}^{4}, B_{(i)}^{6}\}$ $T(A) = F$

$$E = \{i_{04}^{4}, A_{13}^{4}\}\ F = \{B_{15}^{6}, C_{32}^{5}, D_{34}^{7}\}\ T(C) = F$$

$$E = \{i_{0,4}^{4}, A_{1,3}^{4}, C_{1,3}^{5}\}$$
 $F = \{B_{1,5}^{6}, D_{1,3}^{7}\}$ $T(B) = F$

$$E = \{ i_{0}^{4}, A_{13}^{4}, C_{32}^{5}, B_{15}^{6} \} \quad F = \{ D_{34}^{7}, E_{34}^{7}, F_{36}^{9} \} \quad T(D) = F$$

$$E = \{i_{0,4}^{4}, A_{(i)}^{4}, C_{(A)}^{5}, B_{(i)}^{6}, D_{(A)}^{7}\} \quad F = \{E_{3,4}^{7}, F_{(B)}^{9}, G_{(D)}^{7}\} \quad T(E) = F$$

$$E = \{i_{0,4}^{4}, A_{(i)}^{4}, C_{(A)}^{5}, B_{(i)}^{6}, D_{3,4}^{7}, E_{(B)}^{7}\} \quad F = \{F_{3,6}^{9}, G_{(D)}^{7}, H_{(E)}^{10}\} \quad T(G) = F$$

$$E = \{ i_{0,4}^{4}, A_{(i)}^{4}, C_{(A)}^{5}, B_{(i)}^{6}, D_{3,4}^{7}, E_{(B)}^{7}, G_{(D)}^{7} \} \quad F = \{ F_{3,6}^{9}, F_{(E)}^{10}, F_{(E)}^{7}, F_{(C)}^{7} \} \quad T(I) = F$$

$$E = \{i_{0,4}^{4}, A_{(i)}^{4}, C_{(A)}^{5}, B_{(i)}^{6}, D_{3,4}^{7}, E_{(B)}^{7}, C_{3,4}^{7}, C_{(D)}^{7}, C_{(G)}^{7}\} \quad F = \{F_{3,6}^{9}, F_{5,5}^{10}, F_{5,5}^{9}, F_{5,5}^{10}, F_{5,5}^{10},$$

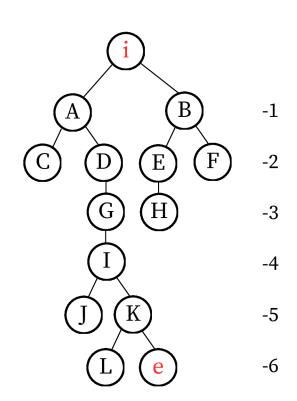
$$E = \{i_{0}^{1}, A_{13}^{4}, A_{3}^{4}, C_{32}^{5}, B_{15}^{6}, D_{34}^{7}, E_{34}^{7}, G_{34}^{7}, C_{34}^{7}, C_{35}^{7}, C$$

$$E = \{i_{0}^{1}, A_{1}^{4}, A_{3}^{4}, C_{3}^{5}, B_{5}^{6}, D_{3}^{7}, E_{3}^{7}, C_{3}^{7}, C_{4}^{7}, C_{5}^{7}, C_{5}^{7}, C_{5}^{7}, C_{5}^{7}, C_{5}^{7}, C_{5}^{7}, C_{5}^{7}, C_{5}^{7}, C_{5}^{8}, C_{5$$

$$E = \{i_{0}^{4}, A_{13}^{4}, C_{32}^{5}, B_{15}^{6}, D_{34}^{7}, E_{34}^{7}, E_{34}^{7}, C_{32}^{7}, I_{13}^{7}, E_{10}^{7}, E_{10}^{7},$$

$$E = \{ i_{0}^{4}, A_{1}^{4}, A_{3}^{(i)}, C_{(A)}^{5}, B_{5}^{(i)}, D_{3}^{7}, E_{4}^{7}, C_{3}^{7}, C_{4}^{7}, C_{5}^{7}, C_{1}^{7}, C_{3}^{8}, C_{1}^{8}, C_{1}^{9}, C_{1}^{9}, C_{1}^{9}, C_{1}^{9}, C_{1}^{9}, C_{1}^{10}, C_{1}^{10}$$

Solución: i A D G I K e



Algoritmo (a igual F) = FIFO

Función sucesora = $\uparrow_1 \downarrow_1 \stackrel{2}{\leftarrow} \stackrel{2}{\rightarrow}$

Heurística = Distancia Manhattan