${\bf Disjoint~Sets}$

For each of the arrays below, write whether this could be the array representation of a weighted quick union with path compression and explain your reasoning.

	i:	0	1	2	3	4	5	6	7	8	9
Α.	a[i]:	1	2	3	0	1	1	1	4	4	5
В.	a[i]:	9	0	0	0	0	0	9	9	9 .	-10
С.	a[i]:	1	2	3	4	5	6	7	8	9 .	-10
D.	a[i]:	-10	0	0	0	0	1	1	1	6	2
Ε.	a[i]:	-10	0	0	0	0	1	1	1	6	8
F	аГil·	-7	0	0	1	1	3	3	-3	7	7