

Question :

Give traces by showing how the keys E A S Y Q U E S T I O N are sorted with bottom-up mergesort.

Solution :

1	2	3	4	5	6	7	8	9	10	11	12
E	A	S	Y	Q	U	E	S	T	I	O	N
A	E	S	Y	Q	U	E	S	T	I	O	N
A	E	S	Y	Q	U	E	S	T	I	O	N
A	E	S	Y	Q	U	E	S	T	I	O	N
A	E	S	Y	Q	U	E	S	T	I	O	N
A	E	S	Y	Q	U	E	S	I	T	O	N
A	E	S	Y	Q	U	E	S	I	T	N	O
A	E	S	Y	E	Q	S	U	I	T	N	O
A	E	S	Y	E	Q	S	U	I	N	O	T
A	E	E	Q	S	S	U	Y	I	N	O	T
A	E	E	Q	S	S	U	Y	I	N	O	T
A	E	E	I	N	O	Q	S	S	T	U	Y