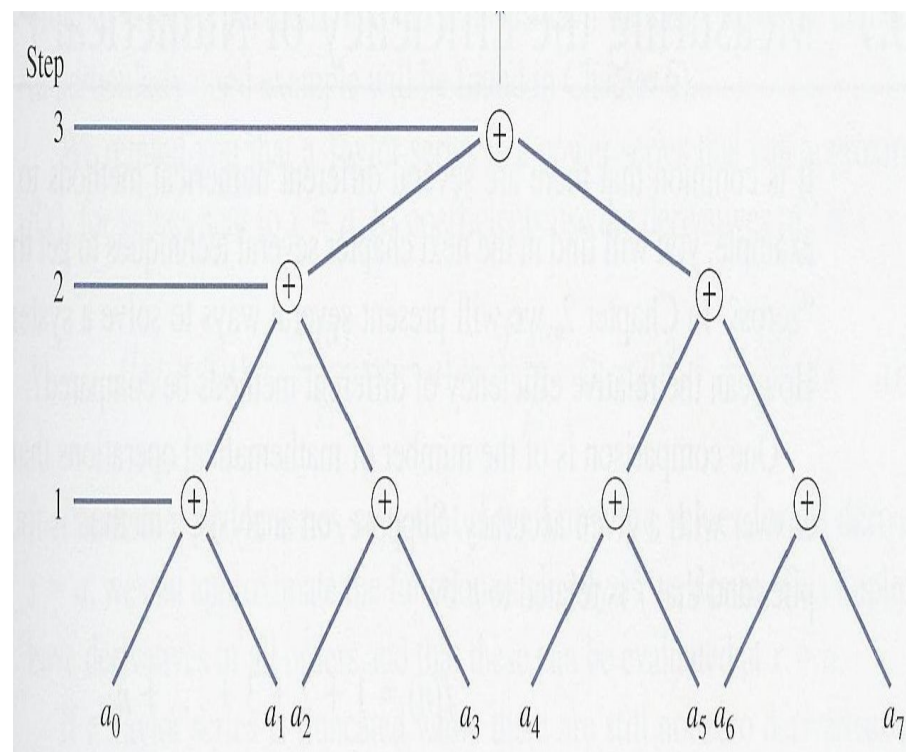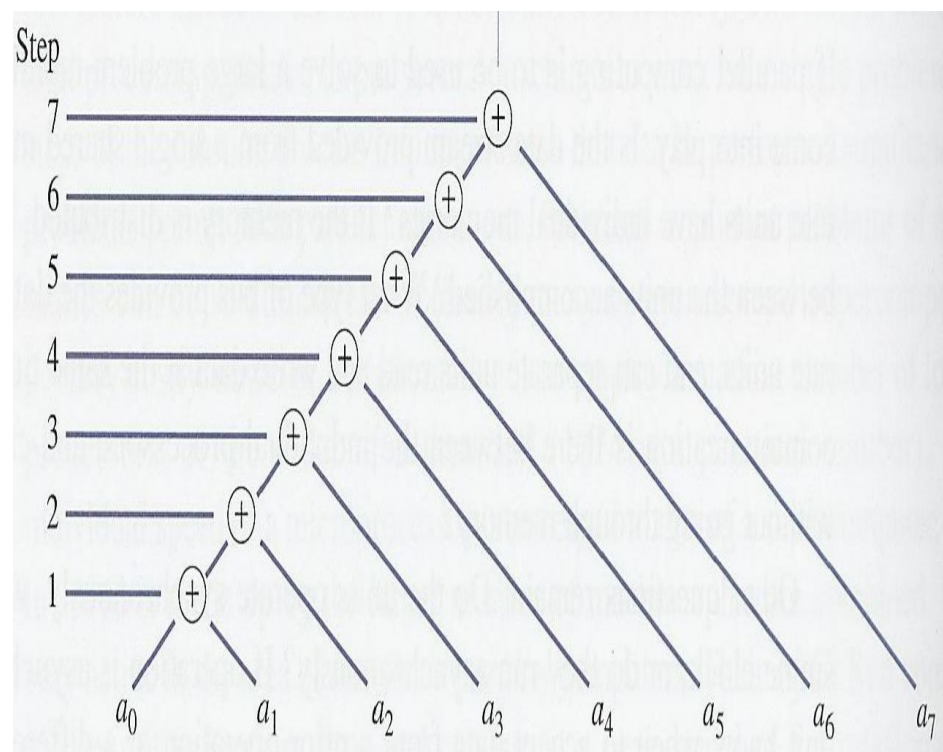# QUIZ 2

1. In the following figures, eight numbers added both sequential and in parallel. Describe in detail.

5. Analyze the following table.

	Interval halving		False position		Secant method	
Iteration	x	$f(x)$	x	$f(x)$	x	$f(x)$
1	0.5	0.330704	0.470990	0.265160	0.470880	0.265160
2	0.25	−0.286621	0.372277	0.029533	0.372277	0.029533
3	0.375	0.036281	0.361598	$2.94 * 10^{-3}$	0.359884	$1.29 * 10^{-3}$
4	0.3125	−0.121899	0.360538	$2.90 * 10^{-4}$	0.360424	$5.55 * 10^{-6}$
5	0.34375	−0.041956	0.360433	$2.93 * 10^{-5}$	0.360422	$3.55 * 10^{-7}$

Error
after 5
iterations   0.01667 $-1.17 * 10^{-5}$ $< 1 * 10^{-7}$

(Exact value of root is 0.360421703.)