$$f(x) = x^3 - 5$$

Bisection Search

Step	X _{LOW}	X _{HIGH}	X _{ROOT}	f(x _{ROOT})	Error
1	1	2			
2					
3					

False Position Search

Step	X _{LOW}	X _{HIGH}	X _{ROOT}	f(x _{ROOT})	Error
1	1	2			
2					
3					

$$x_{ROOT} = (x_{LOW} + x_{HIGH})/2$$
 $x_{ROOT} = x_{HIGH} - \frac{(x_{HIGH} - x_{LOW})}{(f(x_{HIGH}) - f(x_{LOW}))} f(x_{HIGH})$