The state of the s
(4.4) Optimization
Absolute Extrema of a function f
9f f(x) & f(c) (neep. f(x) & f(c)) for all x in
the domain of f, then -f(c) is called the value absolute maximum of f. Or, TOD (nexp. absolute
absolute maximum of f. Or The (nesp. absolute
minimum anis. value).
Theorem (Extreme Value Theorem)
of a function of is continuous on a closed interval
[a,b], then if has both an absolute maximum value
and an absolute minimum value on [a, b].
and an anade minimum value of [4,5],
Closed Interval Method 'This gives us the algo for finding
[a,5]. The always exists by the theorem above.
[a,b] the always exists by the theorem above
0 5 1 milion 1 10 10
(Next, we will treat these as well as
(2) Compute of at each chitical number; compute of (a), of (b)
(3) The Pargest out of these is absolute max.
The least "" " absolute min