Remov	le: of $f(x)dx$ is a class of functions $F(x)+C$ .  of $f(x)dx$ is a geal number $x$ huge difference between the two !!
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	· If(x)dx is a geal number & huge difference
	a between the two!!
Net	Change Formula.
	Cruige 1 onmucaj.
	If f' is continuous on [a,b], then
	6011 - 611
	$\int_{a} f'(x) dx = f(b) - f(a).$
i.e	the net change is obtained by integrating the nate of
	change over the interval under consideration.
[c. g.]	A concert so just ended. People are leaving through the
	gate @ 100 ft + 300 people/min. (for 0 st s 4)
	How many people left in the first 4 mins?
Soln:	Let f(t) be the no of people walking out at t minute.
	Thus, we need $f(4)-f(0)$ .
	4
	$f(4)-f(0)=\int (100)(t+300)dt=(50t^2+300t)^{1/4}$
	$\frac{0}{50000} = \frac{50000}{10000}$
	Ans
I	Ans.