

Start

```
graph TD; Start([Start]) --> Input[/func, a, b/]; Input --> Output([return (b - a) / 6 * (func(a) + 4 * func((a + b) / 2) + func(b))]);
```

func, a, b

return $(b - a) / 6 * (\text{func}(a) + 4 * \text{func}((a + b) / 2) + \text{func}(b))$