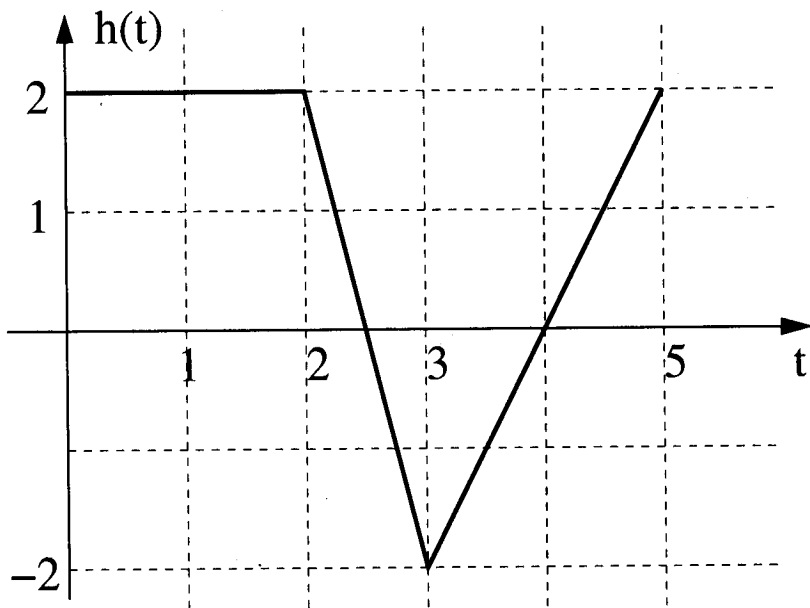


(d) What is the practical meaning of the integral in (c) in terms of the water tank?

(c) measures the total amount of water in the tank at  $t=3$

9. [13 pts.] The graph of the function  $h$  is given below.



(a) Complete the table

$b$	0	2	3	4	5
$\int_0^b h(t) dt$	0	4	4	3	4