6 A small trading company made a profit of \$250 000 in the year 2000. The company co different plans, plan A and plan B, for increasing its profits.	nsidered two
Under plan $A$ , the annual profit would increase each year by 5% of its value in the profind, for plan $A$ ,	eceding year.
(i) the profit for the year 2008,	[3]
(ii) the total profit for the 10 years 2000 to 2009 inclusive.	[2]
Under plan $B$ , the annual profit would increase each year by a constant amount $$D$ .	
(iii) Find the value of $D$ for which the total profit for the 10 years 2000 to 2009 inclusions the same for both plans.	ive would be [3]