Quest	tion 16	(7 marks)
After paying a deposit for his new apartment, Declan obtains a bank loan for the remaining amount of \$112 000 at 3.26% per annum compounded monthly. He can currently afford to repay \$970 per month at the end of every month.		
(a)	Calculate how much he would owe after the 40th repayment.	(3 marks)
(b)	Declan decided to deposit a one-off extra amount of \$1600, after the 16th reparticulate the new amount he would owe after the 40th repayment.	yment. (4 marks)