5	Subject:			Software :		
Train Train	Branch:	Semester :		Page No.	Prog No. 7	
ROBLEM STATEMENT	White a Program to a	onges Hov	conticol c	using leaky	bucket	
LGORITHM & CODE:	The leaky Bucket is used fore traffic chaping and congestion control in networcking. Cade: #include (stalio.h) #include (stalib.h) #include (unistd.h) #define Bucket_ slze 5 #define LEAK - RATE 1 typedef street & int current Water; int leak Rate; int kucket size;					
	{ beacky Bucket; void initioucket (leacky Bucket & bucket, int size, intleak Park to int size, int leak Park to int size, int leak Park to it bucket -> bucket size = size; bucket -> leak Rate = leak Rate; Void add Data (leacky Bucket & bucket, int data) { if (bucket -> current Water + data > bucket -> bucket size) } Printf ("Bucket ownflow! Discounding encess data, In");					
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UTPUT OBTAINED						
REMARKS						
RADE:	Signature of Faculty Date:		Signature of Stu-	dent		

Comments.	Subject:		Software:	Software:	
			Hardware:		
THE PART OF THE PARTY OF THE PA	Branch :	Semester:	Page No.	Prog No.	
OBLEM STATEMENT					
GORITHM & CODE:	bucket -> Cure Printf ("Added" Water level: "bod In", ? Void leak Data (if (bucket) bucket -> if (bucket) buck Printf (water level: "bod" curcreent water); ?else f printf ("n ? int mais ()? leacky Bucket int Pacietet int Pacietet int Pacietet Azintf	leaky Bucket # bo -> Concrent Water Concrent Water Of -> concrent Water "Leaked % d unit In", bucket > leak bucket; (f bucket , Bocket glouta;	othe bucker current Water cuket & 70) { = bucket 70) { torz = 0; 8 of douta. Rate bucket (n"); 7 - SIZE	Spack Rate; Current church > LEAK - RATE);	
NPUT GIVEN					
UTPUT OBTAINED					
RADE:	Signature of Faculty Date :	Signature of St Date :	udent		

