

Hemant Pendharkar
(P D L O

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(PD SOIQGKDUNDU#DOXPQL.XQK.HGX)

- 5 (6 (\$ 5 & + 3 UHVHQW & PDWHHQ FHV . QYLWHG / HFWXUHV MDMK@PDMQ.FW 3K\VLV D
- x . H \ Q R W H : Sathenita Foundations in Engineering and Technology) D F X O W \ C W Y 3 U R R S I P H < & & (D Q G
 , Q W H U Q D W L R Q D O F R Q I H U H Q F H 1 D J S X U , Q G L D
- x "Suitability of Lattices for Project Based Introduction to Cryptography", with Batsort, H W D O D W R K L Q H H W L Q J
- x "An experimental investigation into the practical performance of lattice reduction algorithm on ideal lattices," Z L W K % D W V R Q
 H W D O 6 , \$ 0 & R Q Q S X W H Q W L F H G D D S P L Q L Q H H U L

6(59.&(6LJQLILFDQW FRQWULEXWLRQV WR WUXFWXSBUWPHQW DQG FROOHJH LQ
 x 86) ±)LUVW 6PDUW DVEKIRRXJHGH VGFPSX V H W, HZJDAE XMKJHFDWF XLOWW ISH QMURMSL DWL F
 P\ YHU\ ILUVW VHPHVWU DW 86)
 x &DUULHG&RPSXWKH 6FLHQFH 3URJUDP 5HYLHZ
 x)LUVW 1HWZFDNEHGW81RUFHVWU 6V EDVWK&GLWIKH LWD DQJGH V RQH
 x 3DUDOOHO FRPSXWLQJ FOXVWHU LQKJDDWL R D F D V D B E O H W I R W H U H Q V H D U F K L W W H D F
 x 81,; UHVHDFK ODE DW (&68 XVLQJ P\H.DUDFCW2 IILURFI WQKH DZ'W \$ X PW X HW JUDQW

7(\$&+,1* *UDGXDWH

	ODWKHPDWLF&RPSXWHU 6FLHQFHDWL V WLFODQJPHQW &RUH &XUULFX		
<u>*UDGXDWH</u>	\$OJHEUD , \$OJHEUD ,, \$QDO\VLV , \$QDO\VLV ,, 'LVFUHHW ODWK IRU 7HDFKHUV		,QIRUPDWLRQ 7HFKQRORJ\ ± D &RUH FRXUVH LQ 06 LQ 0DQDJPHQW SURJUDP

7(\$&+,1* 8QGHUJUDGXLWHDQRQIFJKHVFKRRO

	6XUYH\ RI ODWKQWURGXFWRQ WR &RPS 6F &ROOHJH \$OJHEUD & -\$9\$ 3UH &DOFXOXV&6 , & -\$9\$)LQLWH ODWKHPIRULFDPPLQJ &ROFHSWV +RQRUV &DOFXOXV,6WUXFWXUHDWDLV DQG &DOFXOXV , \$XWRPDWD 7KHURU &DOFXOXV , 8QL[6\ VW 3URJUDPPLO &DOFXOXV , , 2SHUDWLQJ 6\ VW LQYLVWISSVOLFDFWLRQ 1XPEHU 7KHURU 6\ VW 1HW \$GPLQVWUDWLRQ 'LIIHUHQWLDQ &RPSXWHU\$UFKLWHEWXUH 'LVFUHHW ODWKDWD &RPP 1HWZRUN WR 'LVFUHHW ODWKURJ ,Q & XQGHU 8QL /LQHDU \$OJHEUDFLHQWLILF 3URJUDPPLOJ &RPSO /LQHDU\$OHHEOD3URJUDPPLOJ \$EVWUDFW \$OJHEUDRUNLQJ 6HFXULW			&RPSXWHUV LQ 6RFLHW\ 8UED HWXGLHV 'HSW LQ %XVLQHV)UHVKPDQ 2ULHQWDLRQ
<u>1RQ &UHLW &RXUVHV</u>		6XUYH\ RI 2S 6\ VWHPV 6\ VWHP \$GPLQVWUDWLRQ 1HWZRUN \$GPLQLVWUDWLRQ 6KHOO 3URJUDPPLOJ /DUJH 6WRUDJH \$GPLQ 'HYHGG ZLWK (0&		
<u>+LJK 6FKR</u>	\$EVWUDFW \$OJHEUD			
<u>0LGGOH 6FKR</u>	3UREOHP 6ROYLQJ VNLOOV FRPSXWHU ODWKHPDWLFV FRPSHWLWLRQV			

7(\$&+,1* ,QYLWHG VHPLQDUV OHFWXUHV DQG

