

Hemant Pendharkar
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- 5 (6 (\$ 5 & + 3 U H V H Q & P Q W H R G O F H V . Q Y L W H G / H F W X U H V O D M K B P D M Q L F W 3 K \ V L F V D
- x . H \ Q R W H : S a t h e n a t a Foundations in Engineering and Technology) D F X O W \ C W Y 3 L O R R S I P H < & & (D Q G
- “Suitability of Lattices for Project Based Introduction to Cryptography”, with Batsort, H W D O D W R K L Q M 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 S X W H Q W L F H G O D O S P L G 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 1HWZRDNEHGW 1RUFHVWU 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 IILURP WQIH 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 0DWK IRU 7HDFKHUV		,QIRUPDWLRQ 7HFKQRORJ\ ± D &RUH FRXUVH LQ 06 LQ 0DQDJPHQW SURJUDP

7(\$&+,1* 8QGHUJUDGXLWHDQRQIFJKHVFKRRO

	6XUYH\ RI 0DWKQWURGXFWRQ WR &RPS 6F &ROOHJH \$OJHEUD & -\$9\$ 3UH &DOFXOXV&6 , & -\$9\$)LQLWH 0DWKH PDRULDPPLQJ &ROFHSWV +RQRUV &DOFXOXV,6WUXFWXUHDWLVWLFV &DOFXOXV , \$XWRPDWD 7KH RU &DOFXOXV , 8QL[6\ VW 3URJUDPPLQJ &DOFXOXV ,,, 2SHUDWLQJ 6\ VW LQYLVWLVSSOLFDFWLRQ 1XPEHU 7KH RU 6\ VW 1HW \$GPLQVWUDWLRQ 'LIIHUHQWLDQ &RPSXWHU \$UFKLWHEWXUH 'LVFUHHW 0DWKWD &RPP 1HWZRUN WR 'LVFUHHW 0DWKURJ ,Q & XQGHD 8QL /LQHDU \$OJHEUD 6FLHQWLILF 3URJUDPPLQJ &RPSO /LQHDU \$OHHEOD 3URJUDPPLQJ \$EVWUDFW \$OJHEUD RUNLQJ 6HFXULW		&RPSXWHUV LQ 6RFLHW\ 8UED 6WXGLHV 'HSW LQ %XVLQHV)UHVKPDQ 2ULHQWDLRQ
<u>1RQ &UHLW &RXUVHV</u>		6XUYH\ RI 2S 6\ VWHPV 6\ VWHP \$GPLQVWUDWLRQ 1HWZRUN \$GPLQLVWUDWLRQ 6KHOO 3URJUDPPLQJ /DUJH 6WRUDJH \$GPLQ 'HYHSG ZLWK (0&	
<u>+LJK 6FKR</u>	\$EVWUDFW \$OJHEUD		
<u>0LGGOH 6FKR</u>	3UREOHP 6ROYLQJ VNLOOV FRPSXWHU 6FLHQFHDWL V WLFV FRPSXWHU 6FLHQFHDWL V WLFV		

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

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.QWHUQVKLS_MXSHZRYLNHLR QZ LWK WKJH QFRFDVHGGVXUWLDWDHGGV KQW HU QVKLS
FRRUGLQDWRU IRUG&HSDSXWPHH Q WFL HCGSMHUYLWKHGS WKHVVH

%XVLQHVV DQG .QG XVMQCK Q SN DUH(QFH Q BHIGG G D UNYDU &RG) V X DOWLQF\ H H W D O

6\ VWHP DQG 1HWZRUN \$GPLQLVWUDWLRQ DQG ,7 0DQDJHPHQW
0\ H[SHULHQFH LV QG PDWBQVPEMBK WQGRQROODQG & UDUQXOD UGH [SHULSHQG HDQG RI
ILYH FRXUVH FHLPDQLF QMMZRUWV DVG PLQLVWUDWLRQ

x , ZDV WKH 81,; 6\ VWHP \$GPLQLVWUDWLRQ FRUDVGH 6 WDSWUWPHHGMZ 80LPSWKLUH
0\ UHVSQRVLELOLWLHV LQFOXGHG 8EIXWVGRWVHOLBQDQWGHVHLQDQW 2D JFQLJH
PDQDJLQJ XVHU DFRQVWFWHQVRHWLZDUHUV EYKHXZSWE ZWLWLQJ DXWRPDWLRQ V
ILOH VHUYHU IRUDQGGREXWFLQLH QUDVHHP LQVWDOO XSJ
x \$W :RUFHVWUH 6WDWH 8QLYHUVLWLRU &RPSWWSUWKEHGHQDQG WPDQDQ]RQW I
\HDUV , ZDWHHRSRQMLSEDULQJ EXVGHVWD D QGHFKQHLYLQ LQJ

+21256 \$1' \$:\$5'6)HOORZGKRLSF \$HDDUWGRKSWISVKEKRDDYHGL*SDQWV
x 3RVW 7HQXUH (:RQGRWHRQ&WDWH 8QQGCHUVLW\ 5DWLHQD [DQSDUHDV ZDLVH
x \$OGHQ 7HDFKLQPHHQRZMKWGHJLHUQVRZTHDFRKRUW :68
x)DFXOW\ ([FHOOHQFH LQ 6FKRODGRKHSVQDQG 6MDWPHUQKL\$ZDUVW\
x 7HDFKHU RI WKH \HDU \$ZDUG:RPHQWHU QV D VFDXUWHU VHDU
x OHULW %RQX:RSEVWUHU 6WDWHGSHOLLYH UHDLW
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x (GXFDWRUSpecialInterest Group on Computer Science EducationXVWLQ 7;
x 7UDYHO *UDQWProgram in Languages 3/', &RQHUHQH LQ 6QRZELUG 8WDK
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x 0DWKHPDWLFDO 6FLHQFH 5HVHDUPKHUQVWLFRXVQDQRVGHVWVHGG
x 'LVVHUVWDLRQ 2QDPRZKJLSLWGHQHUHVLVLRQWZ +DPSVKLUH
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x OHULW 6FKR'GSDVMPHQW RIQDVMKVEWWRFV%RPED\ DQG
x \$WKOHWLF 6FKRQDURQLS8QLYHUVLW\ RI %RQDQ OH%RQEZLQQLXFRUWVWH
&KDPSLRQWHLQSHFWHG WR DQG 5HSUHDVHGHVGRVHLEQL&KIDVSWRQWLVKH

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