

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 1HWZFDNEHGW81RUFHVWU 6V EDVWK&GLWIKH LWD D DQJGH GH V RQH
 x 3DUDOOHO FRPSXWLQJ FOXVWHU LQKJDDWL R D F D L 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 (&8 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 ODWKHPIRULFD PPLQJ &ROFHSWV +RQRUV &DOFXOXV,6WUXFWXUHWDLVWLFV &DOFXOXV , \$XWRPDWD 7KH RU &DOFXOXV , 8QL[6\ VW 3URJUDPPLO &DOFXOXV ,,, 2SHUDWLQJ 6\ VW LQYLVWISSVOLF DWLRQ 1XPEHU 7KH RU 6\ VW 1HW \$GPLQVWUDWLQJ 'LIIHUHQWLDQ &RPSXWHU\$UFKLWHEWXUH 'LVFUHHW ODWKDWD &RPP 1HWZRUN WR 'LVFUHHW ODWKURJ ,Q & XQGHU 8QL /LQH DU \$OJHEUD FLHQWLILF 3URJUDPPLOJ &RPSO /LQH DU \$OHHEOD 3URJUDPPLOJ \$EVWUDFW \$OJHEUDRUNLQJ 6HFXULW | | &RPSXWHUV LQ 6RFLHW\ 8UED HWXGLHV 'HSW LQ %XVLQHV)UHVKPDQ 2ULHQWDWLQJ |
| <u>1RQ &UHLW &RXUVHV</u> | | 6XUYH\ RI 2S 6\ VWHPV 6\ VWHP \$GPLQVWUDWLQJ 1HWZRUN \$GPLQLVWUDWLQJ 6KHOO 3URJUDPPLOJ /DUJH 6WRUDJH \$GPLQ 'HYHSG ZLWK (0& | |
| <u>+LJK 6FKR</u> | \$EVWUDFW \$OJHEUD | | |
| <u>0LGGOH 6FKR</u> | 3UREOHP 6ROYLQJ VNLOOV FRPSXWHU ODWKHPDWLFV FRPSHWLWLQJ | | |

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

Hemant Pendharkar
(PD [SOQQKDUNDU#DOXPQL XQK HGX](#)

.QWHUQVKLS MXSHZRYLNHLGZLWK W KIH Q RFDVQGGVXVWLDWDHGGV KQSWHUQVKLS
FRRUGLQDWRU IRUG&HSDSXWPHHQWFLHQRSMHUYLWKHLSWKHVH

%XVLQHVV DQG .QG XVMQCKQSN DUH(QFHQBHHQGGDUNYDU &RG)VXOWLOQFA) #HWDO

6\ VWHP DQG 1HWZRUN \$GPLQLVWUDWLRQ DQG ,7 0DQDJHPHQW
0\ H[SHULHQFH LV QG PDWBQVPEMHWK DQGRQDROODQG &UDQGLQDUGH[SHULHQFH HDQG RI
ILYH FRXUVH FHLPDQGF DMMZRUWVGLQLQLVWUDWLRQ
x , ZDV WKH 81,; 6\ VWHP \$GPLQLVWUDWLRQ FRUDVGH 6 WDSWUWPHHQMZ 80LQSHWKUH
0\ UHVSQRVLELOLWLHV LQFOXGHG 8EIXWVGRWHDQIBDQDQGHYHURDQDJDJLQV
PDQDJLQJ XVHU DFRQVWVHQYRHHWZDUMHV EYKHXZSVE ZWLWLQJ DXWRPDWLRQ V
ILOH VHUYHU IRUDQGGREXWFLQLHQVWVHIP LQVWDOO XSJ
x \$W :RUFHVWHU 6WDWH 8QLYHUVLWLRU &RPSWWSUWKEHGHQDQWUQDQD]RQW I
\HDUV , ZDVWHHRSRQMLSEDULQJ EXVGHVODDQGHFKGHFLYDQLQJ

+21256 \$1' \$:\$5'6)HOORZGHKLSF \$HDDUWGRKSWISVKEKRDDYHQL*SDQWV
x 3RVW 7HQXUH (:RDFKDWHRQ6WDWH 8QQGHUVLW\ 5DWLHQD[OHSDUHDV ZDLVH
x \$OGHQ 7HDFKLQPHHQRZMKWGHJILHUVVRZVHDFRKRUV :68
x)DFXOW\ (FHOHQFH LQ 6FKRODGRKHSVDQ 6MDWBUFKL\$ZDUGW\
x 7HDFKHU RI WKH \HDU \$ZDUG:RPHQWHU QVDWFDQHWVH VHU
x 0HULW %RQX:R\$ZDUGHU 6WDWHGHQFLYHUHDLW
x \$SSUHFLDWLRQ\$ZDUGHU 6WDWHRHWKHV\$&Q\$GWXGHQW &KDSWHU
x (GXFDWRUSpecialInterest Group on Computer Science EducationKDUORWWH 1&
x (GXFDWRUSpecialInterest Group on Computer Science EducationXVWLQ 7;
x 7UDYHO *UDQWProgramsLanguages 3/ ', &RQIHUHQFH LQ 6QRZELUG 8WDK
x 7UDYHO *UDQWProgramsLanguages 3/ ', &RQIHUHQFH LQ 9DQFRXYHU &DQDGD
x 0DWKHPDWLFDO 6FLHQFH 5HVHDUPKIUQVWLFRXVQDGRVWVHGHQ
x 'LVVHWDWLRQ 2QDPRZKJLSLWGHQHUHVLVLRQWZ +DPSVKLUH
x 7UDYHO *UDQWInternational Conference on Operator AlgebrasQ 6KDQD-XQK
x 7UDYHO *UDQW 1DUWRQHU%RDKHFRQVWVH on Operator Algebras , QGLD -DQXDU\
x 0HULW 6FKR'ISDVMLPSHQW RIQDVMKVEWWRV%RPED\ DQG
x \$WKOHWF 6FKRQDURQLS8QLYHUVLW\ RI %RQD 0HQRDZLQDQWFRUWVH
&KDPSLRQWILSHFWHG WR DQG 5HSUHDVHGHV%RHLSQL&KIDV\$MRQWKLVKH

'2' 6HFXULW\ &SHUDQFH