14-Jan-15 EK Sobylah Computer Arch. HW1 Problem Set: Ch.1; 45,9,10,12,13,14 9). 16-65+ resoster can store 216 65+ patterns The larsest number you could store on 2's compl. would be 015-1 · The smallest would be -215 The lorgest unsooned would be 63536 5) 2) 1001 1100 1110 1110 To hexi Ox 9 C E E To signed deemal: 0110 0011 0001 000 0110 0011 0001 0010 -25362

ci) 1111 1111 (111 1111 To her: OXF F F F To somed deemal: iii) 0000 0000 |111 1111 to hep: 0x00 F F to dec:

1111 1111 0000 0001

1111 1111 0000 0001

65281 0010 0001 0001 0010 (VI To her: 4 8 8 4 To dec. 18 564

9) 0x 46 72 65 64 = Fred 10) 0×45 61 7379 = Easy 12) It will not work because The software was willen uses It's own assembly language. 13) It will work on most any muchone. 14) They are Stow!