1. (1) 3×101=9×2 101=6 (ii) 1V/·(|V|-1) = 28x2 121=8 (iii) 2x4+(IV1-2)x3=10x2 12/26 (iv) Assume |v|= atb. ab = 5=5x1 Sincl both 5 and | are prime number, SO NI=5+1=6. 2. public void readMatrix linti III matrix) } for (int i=0 3 ic matrix length 3 itt) { boolean hwe Incident = false For lint 3=0; jemantine [0]. length; j++) { have Incident || matrix 2:12;23 if (! have Incident) } System. our. println("No incident edge");

3. 1 is an inverse of Imodulo 12.
I is an inverse of 5 modulo 12.
7 is an inverse of 7 modulo 12.
11 is an inverse of 11 modulo 12.