public static short parity(34) { short result = 0; while (x != 0) { result ^= (x & 1); x >>>= 1; return result; } * 2 points

- [ ] 1
- [x] 0
- [ ] 10
- [ ] 7

public static void swapBits(long x, int i, int j) { if (((x >>> i) & 1) != ((x>>> j) & 1)) { long bitMask = (1L << i)|(1L << j); System.out.println(bitMask); } What is the value of bitMask when x=78 ,i=2,j=4 * 2 points

- [x] 20
- [ ] 30
- [ ] 40
- [ ] 36

To compute the parity of (11001010) we would compute the parities of (11), (00), (10), (10). By table lookup we see these are 0,0,1,1, respectively, so the final result is 2 points

- [x] the parity of 0,0,1,1 is 0
- [ ] the parity of 0,0,1,1 is 1
- [ ] the parity of 1,0,1,1 is 1
- [ ] the parity of 1,1,0,0 is 0

Write the bit representation of -12 2 points

11111111111111111111111111110100

what is the value of ~ -12? 2 points

- 12
- 13
- -13
- 11

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