**CS738 QQ#: 3 Date: 27/01/2012 Roll No: Name:**

**For each of the following programs, what will be the optimized program after CONSTANT PROPAGATION and FOLDING (as done in the class)**

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| --- | --- |
| A = 10;  if (I > J) C = A;  else B = A; |  |
| A = 10;  B = 20;  if (A == 10) X = B;  else X = A; |  |
| A = 10;  B = 20;  if (B == 20) A = 30;  D = A |  |
| A = 10;  B = 20;  if (B == 20) A = 10;  else A = 30;  D = A |  |
| A = 10;  B = 20;  if (B == 20) A = 10;  D = A |  |