| Question       | Answers/s |        | Model/s |
|----------------|-----------|--------|---------|
|                | a = 20    | b = 0  | M1      |
| 1.             | a = 20    | b = 20 | M2      |
| int $a = 10;$  | a = 0     | b = 10 | M3      |
| int $b = 20;$  | a = 10    | b = 10 | M4      |
|                | a = 30    | b = 20 | M5      |
| a=b;           | a = 30    | b = 0  | M6      |
|                | a = 10    | b = 30 | M7      |
|                | a = 0     | b = 30 | M8      |
|                | a = 10    | b = 20 | M9      |
|                | a = 20    | b = 10 | M11     |
|                |           |        |         |
|                | a = 20    | b = 20 | M10     |
|                | a = 10    | b = 10 |         |
|                | a = 0     | b = 10 | M1      |
| 2.             | a = 10    | b = 10 | M2      |
| int $a = 10$ ; | a = 20    | b = 0  | M3      |
| int $b = 20;$  | a = 20    | b = 20 | M4      |
|                | a = 10    | b = 30 | M5      |
| b=a;           | a = 0     | b = 30 | M6      |
|                | a = 30    | b = 20 | M7      |
|                | a = 30    | b = 0  | M8      |
|                | a = 10    | b = 20 | M9      |
|                | a = 20    | b = 10 | M11     |
|                |           |        |         |
|                | a = 20    | b = 20 | M10     |
|                | a = 10    | b = 10 |         |

| Question          | Answers/s |          | m Model/s                |
|-------------------|-----------|----------|--------------------------|
|                   | big=20    | small=0  | M1                       |
| 3.                | big=20    | small=20 | M2                       |
| int big $= 10;$   | big=0     | small=10 | M3                       |
| int small $= 20;$ | big=10    | small=10 | M4                       |
|                   | big=30    | small=20 | M5                       |
| big = small;      | big=30    | small=0  | M6                       |
|                   | big=10    | small=30 | M7                       |
|                   | big=0     | small=30 | M8                       |
|                   | big=10    | small=20 | M9                       |
|                   | big=20    | small=10 | M11                      |
|                   |           |          |                          |
|                   | big=20    | small=20 | M10                      |
|                   | big=10    | small=10 |                          |
|                   | a = 0     | b = 20   | M1+S1                    |
|                   | a = 20    | b = 10   | (M1+S3)/(M2+S3)/(M3+S3)/ |
|                   |           |          | (M4+S3)/(M11+S3)         |
|                   | a = 30    | b = 30   | (M5+S3)/(M6+S3)/(M7+S3)/ |
| 4.                | a = 20    | b = 20   | M2+S1                    |
| int $a = 10$ ;    | a = 10    | b = 0    | M3+S1                    |
| int $b = 20$ ;    | a = 10    | b = 10   | M4+S1                    |
|                   | a = 30    | b = 50   | M5+S1                    |
| a=b;              | a = 0     | b = 30   | M6+S1                    |
| b=a;              | a = 40    | b = 30   | M7+S1                    |
|                   | a = 30    | b = 0    | M8+S1                    |
|                   | a = 10    | b = 20   | (M9+S1)/(M11+S1)         |
|                   |           |          | (M8+S3)                  |
|                   |           |          |                          |
|                   | a = 20    | b = 20   | (M10+S1)/(M2+S2)/(M4+S2) |
|                   | a = 10    | b = 10   |                          |
|                   | a = 20    | b = 0    | (M1+S2)/(M3+S2)          |
|                   | a = 0     | b = 10   |                          |
|                   | a = 30    | b = 0    | (M5+S2)/(M7+S2)          |
|                   | a = 0     | b = 30   | (7.50 (10) //2.50 (11)   |
|                   | a = 30    | b = 20   | (M6+S2)/(M8+S2)          |
|                   | a = 10    | b = 30   | (5.5)                    |
|                   | a = 20    | b = 10   | (M11+S2)                 |
|                   | a = 20    | b = 10   |                          |

| Question       | Answers/s |        | Model/s                  |
|----------------|-----------|--------|--------------------------|
|                | a = 10    | b = 0  | M1+S1                    |
|                | a = 20    | b = 10 | (M1+S3)/(M2+S3)/(M3+S3)/ |
| 5.             |           |        | (M4+S3)                  |
|                | a = 10    | b = 10 | M2+S1                    |
| int $a = 10$ ; | a = 0     | b = 20 | M3+S1                    |
| int $b = 20$ ; | a = 20    | b = 20 | M4+S1                    |
|                | a = 40    | b = 30 | M5+S1                    |
| a=b;           | a = 30    | b = 30 | (M5+S3)/(M6+S3)/(M7+S3)/ |
| b=a;           |           |        | (M8+S3)                  |
|                | a = 30    | b = 0  | M6+S1                    |
|                | a = 30    | b = 50 | M7+S1                    |
|                | a = 0     | b = 30 | M8+S1                    |
|                | a = 10    | b = 20 | (M9+S1)/(M11+S1)/        |
|                |           |        | (M11+S3)                 |
|                | a = 20    | b = 20 | (M10+S1)/(M2+S2)/(M4+S2) |
|                | a = 10    | b = 10 |                          |
|                | a = 0     | b = 10 | (M1+S2)/M3+S2)           |
|                | a = 20    | b = 0  |                          |
|                | a = 30    | b = 20 | (M5+S2)/(M7+S2)          |
|                | a = 10    | b = 30 |                          |
|                | a = 0     | b = 30 | (M6+S2)/(M8+S2)          |
|                | a = 30    |        |                          |
|                | a = 10    | b = 20 | (M11+S2)                 |
|                | a = 10    | b = 20 |                          |

| Question       | Answers/s | 5      |        | m Model/s               |
|----------------|-----------|--------|--------|-------------------------|
|                | a = 20    | b = 30 | c = 0  | M1+S1                   |
| 6.             | a = 20    | b = 30 | c = 30 | (M2+S1)/(M2+S3)/(M1+S3) |
|                | a = 0     | b = 0  | c = 10 | M3+S1                   |
| int $a = 10$ ; | a = 10    | b = 10 | c = 10 | M4+S1                   |
| int $b = 20;$  | a = 10    | b = 10 | c = 20 | (M3+S3)/(M4+S3)/(M6+S3) |
| int $c = 30;$  | a = 30    | b = 50 | c = 30 | (M5+S1)/(M5+S3)         |
|                | a = 30    | b = 30 | c = 0  | M6+S1                   |
| a=b;           | a = 10    | b = 30 | c = 60 | M7+S1                   |
| b = c;         | a = 0     | b = 0  | c = 60 | M8+S1                   |
|                | a = 10    | b = 30 | c = 50 | (M7+S3)/(M8+S3)         |
|                | a = 10    | b = 20 | c = 30 | M9+S1                   |
|                | a = 20    | b = 30 | c = 10 | (M11+S1)/(M11+S3)       |
|                |           |        |        |                         |
|                | a = 10    | b = 10 | c = 10 | M10+S1                  |
|                |           | b = 20 | c = 20 |                         |
|                |           | b = 30 | c = 30 |                         |
|                | a = 20    | b = 0  | c = 30 | (M1+S2)                 |
|                | a = 10    | b = 30 | c = 0  |                         |
|                | a = 20    | b = 20 | c = 30 | (M2+S2)                 |
|                | a = 10    | b = 30 | c = 30 |                         |
|                | a = 0     | b = 10 | c = 30 | (M3+S2)                 |
|                | a = 10    | b = 0  | c = 20 |                         |
|                | a = 10    | b = 10 | c = 30 | (M4+S2)                 |
|                | a = 10    | b = 20 | c = 20 |                         |
|                | a = 30    | b = 20 | c = 30 | (M5+S2)                 |
|                |           | b = 50 | c = 30 |                         |
|                | a = 30    | b = 0  | c = 30 | (M6+S2)                 |
|                | a = 10    | b = 50 | c = 0  |                         |
|                | a = 10    | b = 30 | c = 30 | (M7+S2)                 |
|                | a = 10    | b = 20 | c = 50 | (                       |
|                | a = 0     | b = 30 | c = 30 | (M8+S2)                 |
|                | a = 10    | b=0    | c = 50 | (1511 G0)               |
|                | a = 20    | b = 10 | c = 30 | (M11+S2)                |
|                | a = 10    | b = 30 | c = 20 |                         |

| $ \begin{array}{c} a=0 & b=0 & c=7 \\ a=7 & b=5 & c=3 \\ a=7 & b=7 & c=7 \\ a=3 & b=5 & c=0 \\ a=3 & b=5 & c=0 \\ a=3 & b=5 & c=5 \\ a=3 & b=5 & c=5 \\ a=3 & b=5 & c=5 \\ a=3 & b=7 & c=5 \\ a=12 & b=15 & c=22 \\ b=a; \\ a=0 & b=0 & c=15 \\ b=a; \\ c=b; \\ \hline                                  $   | Question  | Answers/s | <br>S |       | Model/s                                 |
|---|---|-----------|-------|-------|---|
| 7. $ \begin{array}{c} a=7 & b=5 & c=3 \\ a=7 & b=7 & c=7 \\ a=3 & b=5 & c=0 \\ min b=3; \\ min b=3; \\ min c=7; \\ a=12 & b=15 & c=22 \\ a=12 & b=15 & c=22 \\ b=6; \\ a=8 & b=15 & c=12 \\ c=b; \\ a=8 & b=10 & c=12 \\ a=3 & b=5 & c=7 \\ a=3 & b=5 \\ c=7; \\ a=8 & b=10 & c=12 \\ min b=3; \\ a=6; \\ a=6; \\ a=12 & b=8 \\ a=12 & b=15 \\ a=12 & b=8 \\ a=12 & min b=3 \\ a=12 & b=15 \\ a=12 & min b=3 \\ a=12 & b=15 \\ a=12 & min b=3 \\ a=12 & min b=3 \\ a=12 & b=15 \\ a=12 & min b=3 \\ a=12 & b=15 \\ a=12 & min b=3 \\ a=12 & min b=3 \\ a=12 & b=15 \\ a=12 & min b=3 \\ a=12 & min $  | <b>Q</b> 52 52 52 52 52   |           |       | c = 7 | •                                       |
| 7. $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $ \begin{array}{c} a=3 & b=5 & c=0 \\ \text{int } b=3; \\ \text{int } c=7; \\ a=2 & a=3 & b=7 \\ a=12 & b=15 & c=22 \\ a=12 & b=8 & c=10 \\ a=6 & b=0 \\ a=8 & b=15 \\ c=b; \\ \hline \\ a=8 & b=15 \\ c=b; \\ \hline \\ a=8 & b=10 \\ c=b; \\ \hline \\ a=8 & b=10 \\ c=b; \\ \hline \\ a=8 & b=10 \\ c=12 \\ c=b; \\ \hline \\ a=8 & b=10 \\ c=12 \\ c=13 \\ c=13 \\ c=14 \\ c=15 \\ c=15 \\ c=15 \\ c=12 \\ c=15 \\ c=15 \\ c=15 \\ c=12 \\ c=15 \\ c=15 \\ c=15 \\ c=12 \\ c=15 \\ c$   | 7.  |           |       |       | 77 ( 77 )                               |
| $\begin{array}{c} \text{int } a=5;\\ \text{int } b=3;\\ \text{int } c=7;\\ \\ a=12 \\ b=8 \\ c=2;\\ b=a;\\ c=b;\\ \end{array} \begin{array}{c} a=0 \\ b=0 \\ c=b;\\ \end{array} \begin{array}{c} a=12 \\ b=15 \\ c=22 \\ \end{array} \begin{array}{c} b=0 \\ b=0 \\ a=12 \\ b=0 \\ \end{array} \begin{array}{c} b=0 \\ c=15 \\ b=0 \\ a=0 \\ b=0 \\ \end{array} \begin{array}{c} a=12 \\ b=0 \\ c=15 \\ \end{array} \begin{array}{c} b=0 \\ a=12 \\ b=0 \\ \end{array} \begin{array}{c} a=12 \\ b=0 \\ \end{array} \begin{array}{c} b=0 \\ c=15 \\ b=0 \\ \end{array} \begin{array}{c} a=0 \\ a=0 \\ b=0 \\ \end{array} \begin{array}{c} c=15 \\ b=0 \\ a=0 \\ \end{array} \begin{array}{c} a=0 \\ b=0 \\ c=15 \\ \end{array} \begin{array}{c} b=0 \\ b=0 \\ c=15 \\ \end{array} \begin{array}{c} b=0 \\ b=0 \\ c=15 \\ \end{array} \begin{array}{c} b=0 \\ a=0 \\ b=0 \\ \end{array} \begin{array}{c} a=12 \\ b=0 \\ \end{array} \begin{array}{c} b=0 \\ b=0 \\ c=12 \\ \end{array} \begin{array}{c} b=0 \\ c=0 \\ c=0 \\ c=0 \\ \end{array} \begin{array}{c} b=0 \\ c=0 \\ c=0 \\ c=0 \\ \end{array} \begin{array}{c} b=0 \\ c=0 \\$ |   |           |       |       |   |
| $\begin{array}{c} \text{int } b = 3;\\ \text{int } c = 7;\\ a = 12 & b = 15 & c = 22 & \text{M5}\\ a = 12 & b = 8 & c = 10 & (\text{M5+S3})/(\text{M6+S3})\\ a = 0 & b = 0 & c = 15 & \text{M6}\\ b = a;\\ c = b;\\ \hline \\ a = 8 & b = 10 & c = 12 & (\text{M7+S3})/(\text{M8+S3})\\ a = 8 & b = 10 & c = 12 & (\text{M7+S3})/(\text{M8+S3})\\ a = 3 & b = 12 & c = 0 & \text{M8}\\ a = 5 & b = 3 & c = 7 & \text{M9}\\ a = 3 & b = 5 & c = 5 & \text{M10}\\ \hline \\ a = 3 & b = 5 & c = 7 & \text{M11}\\ \hline \\ a = 5 & b = 5 & c = 5 & \text{M10}\\ a = 3 & b = 5 & c = 7 & \text{M2}\\ a = 0 & b = 5 & c = 7 & \text{M2}\\ a = 0 & b = 5 & c = 7 & \text{M2}\\ a = 0 & b = 5 & c = 7 & \text{M3}\\ a = 7 & b = 3 & c = 0 & (\text{M1+S2})\\ a = 6 & b = 5 & c = 7 & \text{M3}\\ a = 7 & b = 3 & c = 0 & (\text{M2+S2})\\ a = 0 & b = 5 & c = 7 & \text{M3}\\ a = 0 & b = 3 & c = 7 & (\text{M2+S2})\\ a = 3 & b = 0 & c = 7 & \text{M3}\\ a = 0 & b = 3 & c = 5 & (\text{M3+S2})\\ a = 3 & b = 0 & c = 7 & \text{M3}\\ a = 5 & b = 3 & c = 5 & (\text{M4+S2})\\ a = 3 & b = 3 & c = 7 & \text{M4+S2}\\ a = 3 & b = 3 & c = 7 & \text{M4+S2}\\ a = 3 & b = 3 & c = 7 & \text{M4+S2}\\ a = 5 & b = 3 & c = 7 & \text{M4+S2}\\ a = 5 & b = 3 & c = 7 & \text{M4+S2}\\ a = 5 & b = 3 & c = 10 & \text{M4+S2}\\ a = 6 & b = 8 & c = 7 & \text{M4+S2}\\ a = 6 & b = 8 & c = 7 & \text{M4+S2}\\ a = 6 & b = 3 & c = 10 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 3 & c = 12 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 3 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M5+S2}\\ a = 6 & b = 0 & c = 7 & \text{M5+S2}\\ a = 6 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = 7 & \text{M4+S2}\\ a = 8 & b = 0 & c = $   | $\int \int $ |           |       |       |   |
| $\begin{array}{c} \text{int } c=7;\\ a=12 & b=15 & c=22 & \text{M5}\\ a=12 & b=8 & c=10 & (\text{M5+S3})/(\text{M6+S3})\\ a=0 & b=0 & c=15 & \text{M6}\\ b=a;\\ c=b;\\ \hline \\ a=8 & b=15 & c=12 & \text{M7}\\ a=8 & b=15 & c=12 & (\text{M7+S3})/(\text{M8+S3})\\ \hline \\ a=3 & b=12 & c=0 & \text{M8}\\ \hline \\ a=5 & b=3 & c=7 & \text{M9}\\ \hline \\ a=3 & b=5 & c=7 & \text{M11}\\ \hline \\ \\ \\ a=6 & b=5 & c=7 & \text{M10}\\ \hline \\ \\ a=7 & b=3 & c=0 & (\text{M1+S2})\\ \hline \\ a=6 & b=5 & c=7 & \text{M2}\\ \hline \\ a=7 & b=3 & c=0 & (\text{M1+S2})\\ \hline \\ a=5 & b=0 & c=3 & \text{M3}\\ \hline \\ a=7 & b=3 & c=7 & (\text{M2+S2})\\ \hline \\ a=5 & b=3 & c=7 & (\text{M3+S2})\\ \hline \\ a=3 & b=0 & c=7 & \text{M3}\\ \hline \\ a=5 & b=3 & c=7 & (\text{M3+S2})\\ \hline \\ a=3 & b=0 & c=7 & \text{M4}\\ \hline \\ a=5 & b=3 & c=7 & (\text{M3+S2})\\ \hline \\ a=5 & b=7 & c=0 & \text{M4+S2}\\ \hline \\ a=5 & b=7 & c=0 & \text{M4+S2}\\ \hline \\ a=5 & b=7 & c=7 & \text{M4+S2}\\ \hline \\ a=5 & b=7 & c=7 & \text{M4+S2}\\ \hline \\ a=5 & b=3 & c=7 & (\text{M5+S2})\\ \hline \\ a=5 & b=3 & c=10 & \text{M4+S2}\\ \hline \\ a=6 & b=8 & c=7 & \text{M4+S2}\\ \hline \\ a=5 & b=3 & c=10 & \text{M4+S2}\\ \hline \\ a=6 & b=8 & c=7 & \text{M4+S2}\\ \hline \\ a=5 & b=3 & c=10 & \text{M4+S2}\\ \hline \\ a=6 & b=8 & c=7 & \text{M4+S2}\\ \hline \\ a=6 & b=8 & c=7 & \text{M4+S2}\\ \hline \\ a=6 & b=8 & c=7 & \text{M4+S2}\\ \hline \\ a=6 & b=3 & c=10 & \text{M4+S2}\\ \hline \\ a=6 & b=3 & c=12 & \text{M7+S2}\\ \hline \\ a=6 & b=3 & c=12 & \text{M7+S2}\\ \hline \\ a=8 & b=3 & c=7 & \text{M9}\\ \hline \\ a=6 & b=3 & c=12 & \text{M10}\\ \hline \\ a=6 & b=3 & c=12 & \text{M10}\\ \hline \\ a=7 & a=5 & b=10 & c=0\\ \hline \\ a=7 & b=3 & c=5 & \text{M10}\\ \hline \\ \end{array}$   | 1   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | , |
| $\begin{array}{c} a=c;\\ b=a;\\ c=b;\\ \hline \\ a=8\\ \hline \\ a=8\\ \hline \\ b=15\\ \hline \\ a=8\\ \hline \\ b=10\\ \hline \\ a=3\\ \hline \\ b=12\\ \hline \\ c=0\\ \hline \\ \\ a=3\\ \hline \\ a=5\\ \hline \\ b=3\\ \hline \\ c=b;\\ \hline \\ a=8\\ \hline \\ a=8\\ \hline \\ b=10\\ \hline \\ c=12\\ \hline \\ a=8\\ \hline \\ a=12\\ \hline \\ a=8\\ \hline \\ b=10\\ \hline \\ c=12\\ \hline \\ medius \\$   | Int c = 1,  |           |       |       |   |
| $\begin{array}{c} b=a;\\ c=b;\\ \hline\\ c=b;\\ \hline\\ a=8\\ \hline\\ b=10\\ \hline\\ c=b;\\ \hline\\ a=8\\ \hline\\ b=10\\ \hline\\ c=12\\ \hline\\ c=0\\ \hline\\ a=8\\ \hline\\ c=12\\ \hline\\ c=0\\ \hline\\ c=12\\ \hline\\ c=0\\ \hline\\ c=12\\ \hline\\ c=0\\ \hline\\ c=12\\ \hline\\ c=0\\ \hline\\ c=12\\ c=12\\ \hline\\ c=12\\ \hline\\ c=12\\ \hline\\ c=12\\ c=12\\ \hline\\ c=12\\ $  | a=c   |           |       |       | , |
| $c = b;$ $\begin{array}{c} a = 8 & b = 10 & c = 12 & (M7+S3)/(M8+S3) \\ a = 3 & b = 12 & c = 0 & M8 \\ \hline a = 5 & b = 3 & c = 7 & M9 \\ \hline a = 3 & b = 5 & c = 7 & M11 \\ \hline \\ a = 5 & b = 5 & c = 5 & M10 \\ \hline a = 3 & b = 3 & c = 3 \\ \hline a = 7 & b = 7 & c = 7 \\ \hline a = 7 & b = 3 & c = 0 & (M1+S2) \\ \hline a = 0 & b = 5 & c = 7 \\ \hline a = 5 & b = 0 & c = 3 \\ \hline a = 7 & b = 3 & c = 7 & (M2+S2) \\ \hline a = 5 & b = 5 & c = 7 \\ \hline a = 5 & b = 3 & c = 5 & (M3+S2) \\ \hline a = 6 & b = 3 & c = 5 & (M3+S2) \\ \hline a = 3 & b = 0 & c = 7 & (M2+S2) \\ \hline a = 5 & b = 3 & c = 5 & (M3+S2) \\ \hline a = 3 & b = 0 & c = 7 & (M2+S2) \\ \hline a = 5 & b = 3 & c = 5 & (M4+S2) \\ \hline a = 3 & b = 0 & c = 7 & (M5+S2) \\ \hline a = 5 & b = 3 & c = 7 & (M5+S2) \\ \hline a = 5 & b = 3 & c = 10 & (M6+S2) \\ \hline a = 0 & b = 8 & c = 7 \\ \hline a = 5 & b = 3 & c = 10 & (M6+S2) \\ \hline a = 6 & b = 3 & c = 12 & (M7+S2) \\ \hline a = 8 & b = 3 & c = 7 & (M8+S2) \\ \hline a = 8 & b = 0 & c = 7 & (M8+S2) \\ \hline a = 8 & b = 0 & c = 7 & (M8+S2) \\ \hline a = 8 & b = 0 & c = 7 & (M8+S2) \\ \hline a = 8 & b = 0 & c = 7 & (M8+S2) \\ \hline a = 8 & b = 0 & c = 7 & (M8+S2) \\ \hline a = 8 & b = 0 & c = 7 & (M8+S2) \\ \hline a = 8 & b = 0 & c = 7 & (M8+S2) \\ \hline a = 8 & b = 0 & c = 7 & (M8+S2) \\ \hline a = 8 & b = 0 & c = 7 & (M8+S2) \\ \hline a = 7 & b = 3 & c = 5 & (M11+S2) \\ \hline a = 7 & b = 3 & c = 5 & (M11+S2) \\ \hline a = 7 & b = 3 & c = 5 & (M11+S2) \\ \hline a = 7 & b = 3 & c = 5 & (M11+S2) \\ \hline a = 7 & b = 3 & c = 5 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c = 7 & (M11+S2) \\ \hline a = 8 & b = 5 & c =$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | 77.1                                    |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   | u – 0     | 0 — 0 | 0 - 1 | 11111                                   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   | a = 5     | h — 5 | c - 5 | M10                                     |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | WIIO                                    |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | (M1±S2)                                 |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | (1111   52)                             |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | (M2+S2)                                 |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | (1112   52)                             |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | (M3+S2)                                 |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | (110   52)                              |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | (M4+S2)                                 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |   |           |       |       | (1111   52)                             |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | (M5+S2)                                 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |   |           |       |       | (1.13   82)                             |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | (M6+S2)                                 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       | (M7+S2)                                 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$   |   |           |       |       |   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$  |   |           |       |       |   |
|   |   |           |       |       | (M8+S2)                                 |
|   |   |           |       |       |   |
| a = 7 $b = 3$ $c = 5$ (M11+S2)<br>a = 3 $b = 5$ $c = 7$   |   |           |       |       |   |
| a=3 $b=5$ $c=7$   |   |           |       |       | (M11+S2)                                |
|   |   |           |       |       | ,                                       |
| a = 5 $b = 7$ $c = 3$   |   | a = 5     | b = 7 | c = 3 |   |

| Question      | Answers/s     | <u> </u>      |               | Model/s                  |
|---------------|---------------|---------------|---------------|--------------------------|
|               | a=3           | b=5           | c = 0         | M1                       |
|               | a = 7         | b=5           | c = 3         | (M1+S3)/(M2+S3)/(M11+S3) |
| 8.            | a=3           | b=5           | c = 3         | M2                       |
|               | a = 0         | b = 0         | c = 7         | M3                       |
| int $a = 5$ ; | a = 7         | b = 7         | c = 7         | M4                       |
| int $b=3$ ;   | a=3           | b=7           | c = 5         | (M3+S3)/(M4+S3)          |
| int $c = 7$ ; | a = 15        | b = 8         | c = 10        | M5                       |
| ,             | a = 12        | b = 8         | c = 10        | (M5+S3)/(M6+S3)          |
| c = b;        | a = 10        | b=5           | c = 0         | M6                       |
| b=a;          | a = 15        | b = 10        | c = 22        | M7                       |
| a=c;          | a = 8         | b = 10        | c = 12        | (M7+S3)/(M8+S3)          |
| ,             | a = 0         | b = 0         | c = 15        | M8                       |
|               | a=5           | b=3           | c = 7         | M9                       |
|               | a=3           | b=5           | c = 7         | M11                      |
|               |               |               |               |                          |
|               | a=5           | b=5           | c = 5         | M10                      |
|               |               | b = 3         | c = 3         |                          |
|               | a=7           | b = 7         | c = 7         |                          |
|               | a=5           | b = 0         | c = 3         | (M1+S2)                  |
|               |               | b = 5         | c = 7         | ,                        |
|               | a = 7         | b = 3         | c = 0         |                          |
|               | a=5           | b = 3         | c = 3         | (M2+S2)                  |
|               | a=5           | b = 5         | c = 7         |                          |
|               | a = 7         | b = 3         | c = 7         |                          |
|               | a=5           | b=7           | c = 0         | (M3+S2)                  |
|               | a=3           | b = 0         | c = 7         |                          |
|               | a = 0         |               | c = 5         |                          |
|               |               | b = 7         | c = 7         | (M4+S2)                  |
|               | a=3           |               | c = 7         |                          |
|               | a=5           |               | c = 5         |                          |
|               | a=5           |               | c = 10        | (M5+S2)                  |
|               | a=5           |               | c = 7         |                          |
|               |               | b=3           |               |                          |
|               | a=5           |               | c = 10        | (M6+S2)                  |
|               | a = 0         |               | c = 7         |                          |
|               | a = 12        | b=3           | c = 0         | (2.5)                    |
|               | a=5           | b = 10        | c = 7         | (M7+S2)                  |
|               |               | b=3           | c = 7         |                          |
|               |               | b=3           | c = 12        | (Mo + Co)                |
|               | a=5           | b = 10        | c = 0         | (M8+S2)                  |
|               |               |               | c = 7         |                          |
|               | a = 0 $a = 5$ | b = 3 $b = 7$ | c = 12        | (M11+C2)                 |
|               |               |               | c = 3 $c = 7$ | (M11+S2)                 |
|               | a = 3 $a = 7$ | b = 3 $b = 3$ | c = t $c = 5$ |                          |
|               | u = i         | $\sigma = 0$  | c = 0         |                          |

| Question      | Answers/s         | 5                 |               | Model/s                  |
|---------------|-------------------|-------------------|---------------|--------------------------|
|               | a = 0             | b=3               | c = 5         | M1                       |
|               | a = 7             | b=5               | c = 3         | (M1+S3)/(M2+S3)/(M11+S3) |
| 9.            | a=3               | b=3               | c = 3         | M2                       |
|               | a = 7             | b = 0             | c = 5         | M3                       |
| int $a = 5$ ; | a = 7             | b = 7             | c = 5         | M4                       |
| int $b=3$ ;   | a=3               | b = 7             | c = 5         | (M3+S3)/(M4+S3)          |
| int $c = 7$ ; | a = 15            | b = 18            | c = 10        | M5                       |
|               | a = 12            | b = 8             | c = 10        | (M5+S3)/(M6+S3)          |
| c = b;        | a = 0             | b = 15            | c = 0         | M6                       |
| a=c;          | a = 15            | b = 10            | c = 12        | M7                       |
| b=a;          | a = 8             | b = 10            | c = 12        | (M7+S3)/(M8+S3)          |
|               | a = 10            | b = 0             | c = 5         | M8                       |
|               | a=5               | b=3               | c = 7         | M9                       |
|               | a = 7             | b=3               | c = 5         | M11                      |
|               |                   |                   |               |                          |
|               | a=5               |                   | c = 5         | M10                      |
|               | a=3               | b=3               | c = 3         |                          |
|               | a = 7             | b = 7             | c = 7         |                          |
|               | a=5               | b = 0             | c = 3         | (M1+S2)                  |
|               | a = 7             | b = 3             | c = 0         |                          |
|               | a = 0             | b=5               | c = 7         |                          |
|               | a=5               | b=3               | c = 3         | (M2+S2)                  |
|               | a = 7             | b=3               | c = 7         |                          |
|               | a=5               | b=5               | c = 7         |                          |
|               | a=5               | b=7               | c = 0         | (M3+S2)                  |
|               | a = 0             | b=3               | c=5           |                          |
|               | a=3               |                   |               | (7.54 - (72)             |
|               | a=5               | b=7               | c = 7         | (M4+S2)                  |
|               | a=5               |                   |               |                          |
|               | a=3               |                   |               | (117 : (2))              |
|               | a=5               |                   |               | (M5+S2)                  |
|               |                   | b=3               |               |                          |
|               |                   | b = 8 $b = 0$     |               | (M6+S2)                  |
|               |                   |                   |               | (NIO+52)                 |
|               |                   | b=3               |               |                          |
|               |                   | b = 8 $b = 10$    | c = 7 $c = 7$ | (M7+C2)                  |
|               |                   | b = 10<br>b = 3   |               | (M7+S2)                  |
|               |                   | b = 3<br>b = 3    |               |                          |
|               |                   | b = 3 $b = 10$    |               | (M8+S2)                  |
|               |                   | b = 10<br>b = 3   |               | (1710   102)             |
|               | !                 | b = 3<br>b = 0    |               |                          |
|               | a=5               |                   |               | (M11+S2)                 |
|               |                   | b=7<br>b=3        |               | (4.111   102)            |
|               | a=3               | b=5               |               |                          |
|               | $\alpha - \sigma$ | $\sigma = \sigma$ | C — 1         |                          |

| Question      | Answers/s | 8      |        | m Model/s                |
|---------------|-----------|--------|--------|--------------------------|
|               | a=5       | b = 0  | c = 0  | M1                       |
|               | a = 7     | b=5    | c = 3  | (M1+S3)/(M2+S3)/(M11+S3) |
| 10.           | a=5       | b=5    | c = 5  | M2                       |
|               | a = 0     | b = 7  | c = 3  | M3                       |
| int $a=5$ ;   | a=3       | b = 7  | c = 3  | M4                       |
| int $b=3$ ;   | a=3       | b = 7  | c = 5  | (M3+S3)/(M4+S3)          |
| int $c = 7$ ; | a = 20    | b = 8  | c = 15 | M5                       |
|               | a = 12    | b = 8  | c = 10 | (M5+S3)/(M6+S3)          |
| b=a;          | a = 15    | b = 0  | c = 0  | M6                       |
| c = b;        | a = 8     | b = 10 | c = 15 | M7                       |
| a=c;          | a = 8     | b = 10 | c = 12 | (M7+S3)/(M8+S3)          |
|               | a = 0     | b = 7  | c = 8  | M8                       |
|               | a=5       | b=3    | c = 7  | M9                       |
|               | a=5       | b = 7  | c = 3  | M11                      |
|               |           |        |        |                          |
|               | a=5       | b=5    | c = 5  | M10                      |
|               | a=3       | b = 3  | c = 3  |                          |
|               | a=7       | b = 7  | c = 7  |                          |
|               | a = 0     | b=5    | c = 7  | (M1+S2)                  |
|               | a=5       | b = 0  | c = 3  |                          |
|               | a=7       | b = 3  | c = 0  |                          |
|               | a=5       | b=3    | c = 3  | (M2+S2)                  |
|               | a = 7     | b = 3  | c = 7  |                          |
|               | a=5       | b = 5  | c = 7  |                          |
|               | a=5       | b = 7  | c = 0  | (M3+S2)                  |
|               | a = 0     | b=3    | c = 5  |                          |
|               | a=3       | b = 0  | c = 7  |                          |
|               | a=5       | b = 7  | c = 7  | (M4+S2)                  |
|               | a=5       |        |        |                          |
|               | a=3       |        |        |                          |
|               | a=5       |        |        | (M5+S2)                  |
|               |           | b=3    |        |                          |
|               |           | b = 8  |        |                          |
|               |           | b = 0  |        | (M6+S2)                  |
|               | a = 12    | b=3    |        |                          |
|               |           |        | c = 7  |                          |
|               |           | b = 10 |        | (M7+S2)                  |
|               |           | b=3    |        |                          |
|               |           | b=3    |        | (2.50 (3.5)              |
|               |           | b = 10 |        | (M8+S2)                  |
|               |           | b=3    |        |                          |
|               |           | b = 0  |        | (2544 (20)               |
|               |           | b = 7  |        | (M11+S2)                 |
|               |           | b=3    |        |                          |
|               | a=3       | b = 5  | c = 7  |                          |

| Question      | Answers/s |        |        | Model/s                  |
|---------------|-----------|--------|--------|--------------------------|
| -             | a=7       | b = 0  | c = 5  | M1                       |
|               | a = 7     | b=5    | c = 3  | (M1+S3)/(M2+S3)/(M11+S3) |
| 11.           | a = 7     | b=5    | c = 5  | M2                       |
|               | a = 0     | b=3    | c = 0  | M3                       |
| int $a=5$ ;   | a=3       | b=3    | c = 3  | M4                       |
| int $b=3$ ;   | a=3       | b = 7  | c = 5  | (M3+S3)/(M4+S3)          |
| int $c = 7$ ; | a = 12    | b = 8  | c = 15 | M5                       |
|               | a = 12    | b = 8  | c = 10 | (M5+S3)/(M6+S3)          |
| b=a;          | a = 7     | b = 0  | c = 8  | M6                       |
| a=c;          | a = 8     | b = 18 | c = 15 | M7                       |
| c = b;        | a = 8     | b = 10 | c = 12 | (M7+S3)/(M8+S3)          |
|               | a = 0     | b = 15 | c = 0  | M8                       |
|               | a=5       | b=3    | c = 7  | M9                       |
|               | a = 7     | b=3    | c = 5  | M11                      |
|               |           |        |        |                          |
|               | a=5       | b=5    | c = 5  | M10                      |
|               | a=3       | b = 3  | c = 3  |                          |
|               | a = 7     | b = 7  | c = 7  |                          |
|               | a = 0     | b=5    | c = 7  | (M1+S2)                  |
|               | a=5       | b = 0  | c = 3  |                          |
|               | a = 7     | b = 3  | c = 0  |                          |
|               | a=5       | b=3    | c = 3  | (M2+S2)                  |
|               | a = 7     | b = 3  | c = 7  |                          |
|               | a=5       | b = 5  | c = 7  |                          |
|               | a=5       | b = 7  | c = 0  | (M3+S2)                  |
|               | a = 0     | b = 3  | c = 5  |                          |
|               | a=3       |        | c = 7  |                          |
|               | a=5       | b = 7  | c = 7  | (M4+S2)                  |
|               | a=5       |        | c = 5  |                          |
|               | a=3       | b = 3  | c = 7  |                          |
|               | a=5       | b=3    | c = 10 | (M5+S2)                  |
|               | a = 12    | b=3    | c = 7  |                          |
|               |           | b = 8  |        |                          |
|               |           | b = 0  |        | (M6+S2)                  |
|               | a = 12    | b=3    | c = 0  |                          |
|               |           |        | c = 7  |                          |
|               |           | b = 10 |        | (M7+S2)                  |
|               |           | b=3    |        |                          |
|               |           | b=3    |        |                          |
|               |           | b = 10 |        | (M8+S2)                  |
|               |           | b=3    |        |                          |
|               |           | b = 0  |        |                          |
|               |           | b = 7  |        | (M11+S2)                 |
|               |           | b=3    |        |                          |
|               | a=3       | b=5    | c = 7  |                          |

| Question      | Answers/s | <u> </u> |        | Model/s                  |
|---------------|-----------|----------|--------|--------------------------|
|               | a = 0     | b = 7    | c = 3  | M1                       |
|               | a = 7     | b=5      | c = 3  | (M1+S3)/(M2+S3)/(M11+S3) |
| 12.           | a = 7     | b = 7    | c = 3  | M2                       |
|               | a = 5     | b = 0    | c = 0  | M3                       |
| int $a = 5$ ; | a = 5     | b=5      | c = 5  | M4                       |
| int $b=3$ ;   | a = 3     | b=7      | c = 5  | (M3+S3)/(M4+S3)          |
| int $c = 7$ ; | a = 12    | b = 15   | c = 10 | M5                       |
|               | a = 12    | b = 8    | c = 10 | (M5+S3)/(M6+S3)          |
| a=c;          | a = 0     | b = 12   | c = 3  | M6                       |
| c = b;        | a = 20    | b = 15   | c = 12 | M7                       |
| b=a;          | a = 8     | b = 10   | c = 12 | (M7+S3)/(M8+S3)          |
|               | a = 15    | b = 0    | c = 0  | M8                       |
|               | a=5       | b = 3    | c = 7  | M9                       |
|               | a=5       | b = 7    | c = 3  | M11                      |
|               |           |          |        |                          |
|               | a = 5     | b=5      | c = 5  | M10                      |
|               | a = 3     | b = 3    | c = 3  |                          |
|               | a = 7     | b = 7    | c = 7  |                          |
|               | a = 0     | b=5      | c = 7  | (M1+S2)                  |
|               | a = 5     | b = 0    | c = 3  |                          |
|               | a = 7     | b = 3    | c = 0  |                          |
|               | a = 5     | b=3      | c = 3  | (M2+S2)                  |
|               | a = 7     | b = 3    | c = 7  |                          |
|               | a = 5     | b = 5    | c = 7  |                          |
|               | a = 5     | b = 7    | c = 0  | (M3+S2)                  |
|               | a = 0     | b=3      | c = 5  |                          |
|               | a = 3     | b = 0    | c = 7  |                          |
|               | a = 5     | b = 7    | c = 7  | (M4+S2)                  |
|               |           | b=3      | c = 5  |                          |
|               | a=3       |          | c = 7  |                          |
|               | a=5       |          | c = 10 | (M5+S2)                  |
|               | a = 12    |          | c = 7  |                          |
|               | a=5       |          | c = 7  |                          |
|               | a=5       |          | c = 10 | (M6+S2)                  |
|               | a = 12    | b=3      | c = 0  |                          |
|               | a = 0     | b = 8    | c = 7  |                          |
|               | a = 5     | b = 10   |        | (M7+S2)                  |
|               |           |          | c = 12 |                          |
|               | a = 8     | b=3      | c = 7  | (2.50 (3.0)              |
|               | a=5       | b = 10   |        | (M8+S2)                  |
|               |           |          | c = 12 |                          |
|               |           |          | c = 7  | (2.54.4 (2.0.)           |
|               | a=5       | b=7      | c = 3  | (M11+S2)                 |
|               |           |          | c=5    |                          |
|               | a=3       | b=5      | c = 7  |                          |