| Call | Line<br>number | Stat.type | Compatible methods    | Statically<br>Selected<br>method | signature | Reason                                  | Dyn.type | Ultimately<br>Selected<br>method | Reason                             | output                                   |
|------|----------------|-----------|-----------------------|----------------------------------|-----------|---|----------|----------------------------------|------------------------------------|--|
| 1    | 123            | E         | 55,65                 | 65                               | f(I1,I2)  | Lowest subclass                         | E        | 65                               | Static.type = dyn.type             | E.f(I1,I2)                               |
| 1    |                |           |                       |                                  |           |   |          |                                  |                                    | E.f(I1,I2)                               |
| 2    | 126            | G         | 55,57,65,<br>73,83,96 | 96                               | f(B,D)    | Most<br>specific,<br>Lowest<br>subclass | G        | 96                               | Static.type = dyn.type             | G.f(B, D)                                |
|      | 98             | E         | 55,57,65,<br>73       | 73                               | f(B,D)    | Most<br>specific,<br>Lowest<br>subclass | E        | 73                               | Static.type = dyn.type             | E.f(B, D)                                |
| 2    |                |           |                       |                                  |           |   |          |                                  |                                    | G.f(B, D)<br>E.f(B, D)                   |
| 3    | 129            | F         | 55,65,83              | 83                               | f(I1,I2)  | Lowest subclass                         | F        | 83                               | Static.type = dyn.type             | F.f(I1, I2)                              |
|      | 85             | Е         | 55,65                 | 65                               | f(I1,I2)  | Lowest subclass                         | Е        | 65                               | Static.type = dyn.type             | E.f(I1, I2)                              |
| 3    |                |           |                       |                                  |           |   |          |                                  |                                    | F.f( 1,  2)<br>E.f( 1,  2)               |
| 4    | 132            | А         | 7,11                  | 11                               | f(I2,I3)  | Lowest<br>subclass                      | А        | 11                               | Static.type = dyn.type             | A.f(I2, I3)                              |
|      | 13             | 12        | 25                    | 25                               | f(A,I3)   | unique                                  | С        | 30                               | Dynamic<br>dyspatch –<br>Dynamic C | C.f(A, I3)                               |
|      | 32             | 13        | 54,55                 | 54                               | f(A, C)   | Most<br>specific                        | Е        | 61                               | Dynamic<br>dyspatch –<br>Dynamic E | E.f(A, C)                                |
| 4    |                |           |                       |                                  |           |   |          |                                  |                                    | A.f(I2, I3)<br>C.f(A, I3)<br>E.f(A, C)   |
| 5    | 135            | I1        | 7                     | 7                                | f(I2,I3)  | unique                                  | В        | 18                               | Dynamic<br>dyspatch –<br>Dynamic B | B.f(I2, I3)                              |
|      | 20             | 12        | 26                    | 26                               | f(B,I3)   | unique                                  | D        | 47                               | Dynamic<br>dyspatch –<br>Dynamic D | D.f(B, I3)                               |
|      | 49             | 13        | 55                    | 55                               | f(I1, I2) | unique                                  | Е        | 65                               | Dynamic<br>dyspatch –<br>Dynamic E | E.f(I1, I2)                              |
| 5    |                |           |                       |                                  |           |   |          |                                  |                                    | B.f(I2, I3)<br>D.f(B, I3)<br>E.f(I1, I2) |
| 6    | 138            | 12        | 25                    | 25                               | f(A,I3)   | unique                                  | С        | 30                               | Dynamic<br>dyspatch –              | C.f(A, I3)                               |

|     |     |        |           |              |                       |  |    | Dynamic C  |             |
|-----|-----|--------|-----------|--------------|-----------------------|--|----|------------|-------------|
| 32  | 13  | 54,55  | 54        | f(A,C)       | Most                  | E  | 61 | Dynamic    | E.f(A, C)   |
|     |     |        |           |              | specific              |  |    | dyspatch – |             |
|     |     |        |           |              |                       |  |    | Dynamic E  |             |
|     |     |        |           |              |                       |  |    |            | C.f(A, I3), |
|     |     |        |           |              |                       |  |    |            | E.f(A, C)   |
| 141 | 13  | 55     | 55        | f(I1,I2)     | unique                | E  | 65 | Dynamic    | E.f(I1, I2) |
|     |     |        |           |              |                       |  |    | dyspatch – |             |
|     |     |        |           |              |                       |  |    | Dynamic E  |             |
|     |     |        |           |              |                       |  |    |            | E.f(I1, I2) |
| 144 | 13  | 55     | 55        | f(I1,I2)     | unique                | E  | 65 | Dynamic    | E.f(I1, I2) |
|     |     |        |           |              |                       |  |    | dyspatch – |             |
|     |     |        |           |              |                       |  |    | Dynamic E  |             |
|     |     |        |           |              |                       |  |    |            | E.f(I1, I2) |
|     | 141 | 141 I3 | 141 I3 55 | 141 I3 55 55 | 141 I3 55 55 f(I1,I2) | specific spe |    |            | 13          |