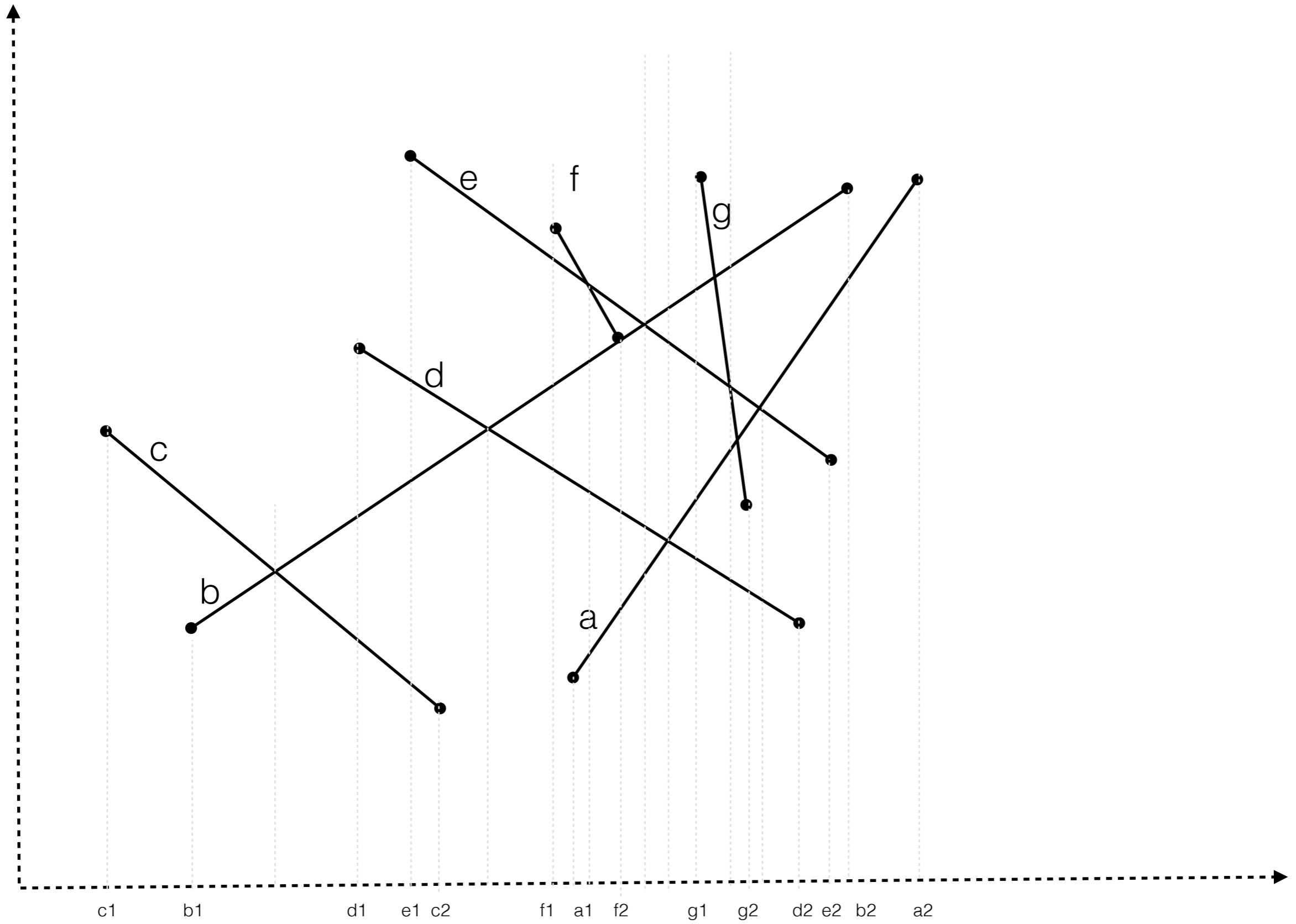


Exercise

- Consider the set S of 7 segments shown below.
- Simulate the Bentley-Ottman sweep on S : show the event queue, the active structure, and the intersection tests that are performed at every event.



Event	Event queue	AS	Intersection tests
-	c1, b1, d1, e1, c2, f1, a1, f2, g1, g2, d2, e2, b2, a2	-	-
c1	b1, d1, e1, c2, f1, a1, f2, g1, g2, d2, e2, b2, a2	c	-
b1	x_{bc} , d1, e1, c2, f1, a1, f2, g1, g2, d2, e2, b2, a2	b, c	intersect(b,c) => x_{bc}