PPLS coursework1 by YINGCONG LI (s1616245)

Solution:

- 1. first part of code executed before <await>, so the x=0, y=1 and the program can not terminate.
- 2. <await> successed and program finished with x=8,y=2
- 3. after x=x-1=0, <await> code executed, so x became 8 and y=2, so the while() continued and program finished with x=2, y=3
- 4. same as last one, but only executed x=8, y remained 0, but when x reduced to 1, y=2 was executed, so the loop failed, program could not terminate and x kept decreasing.
- 5. same as last one, but y=2 is executed after x=0, loop quited successfully, so the program finished with x=0 and y=2 or 3.