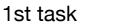
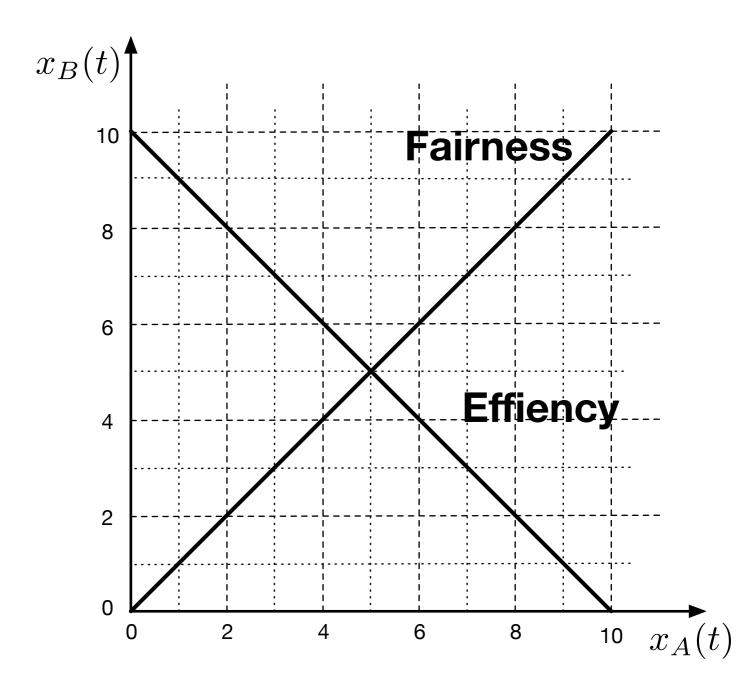
If the sum of the data rates  $x_A(t) + x_B(t)$  in a round is larger than 10, then

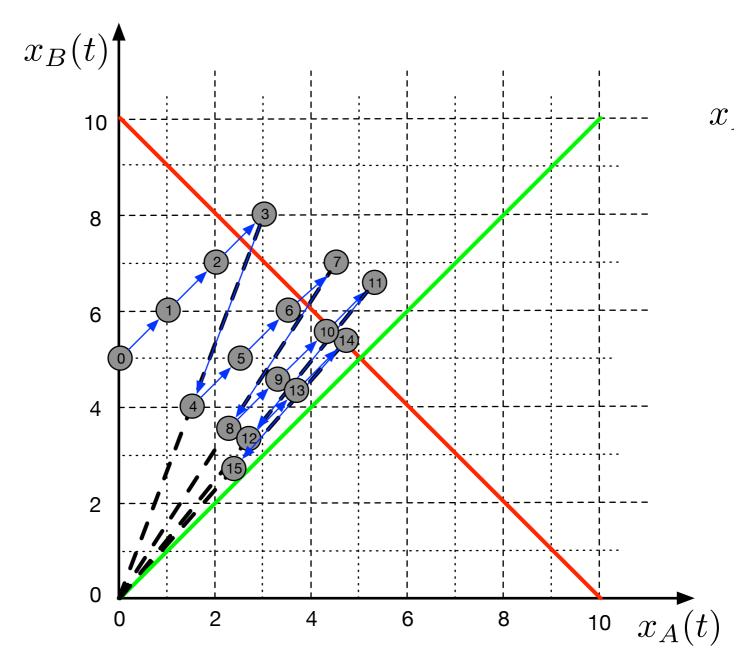
Otherwise we have

~ (+ + 1) ~ (+) + 1

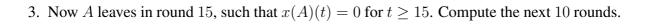


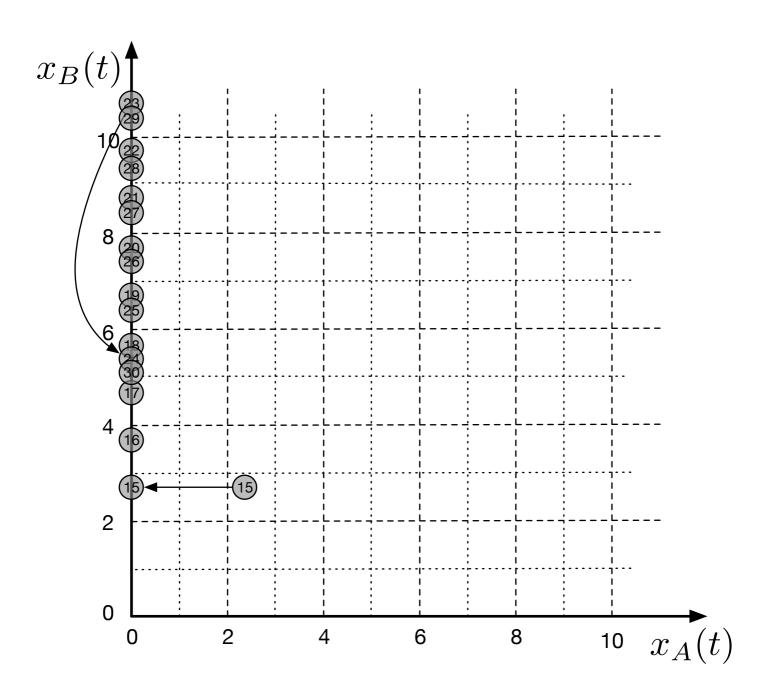
1. Add the fairness and efficiency lines to the diagrams.

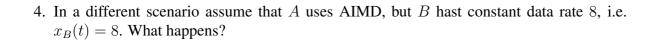


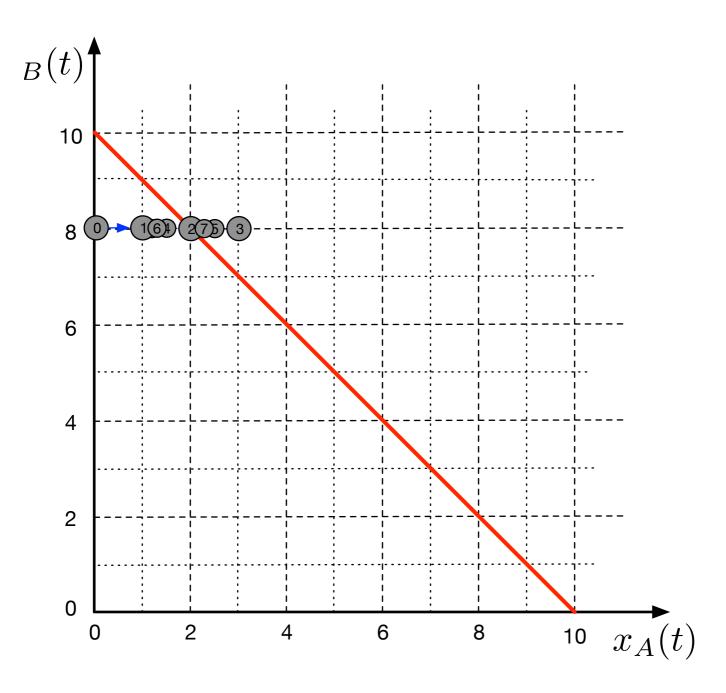


2. Assume A starts in round 0 with  $x_A(0) = 0$  and B at round 5, i.e. x(B)(t) = 0 for all  $t \le 5$ . Compute the first 15 values of A and B and add the behavior to the diagram above.









In the last scenario assume that A changes its behavior to AIAD (additive increase/additive decrease), i.e. replacing  $x_A(t+1) = \frac{1}{2}x_A(t)$  by  $x_A(t+1) = x_A(t) - 1$ . Simulate 15 rounds where A and B start at the same time with bandwidth 0.

