

$$r_1 = (4, 11)$$

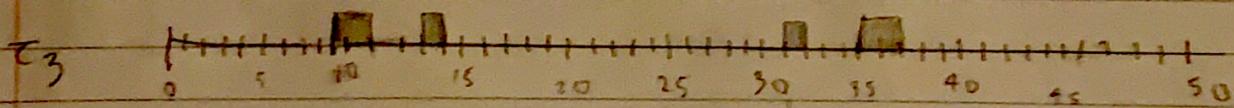
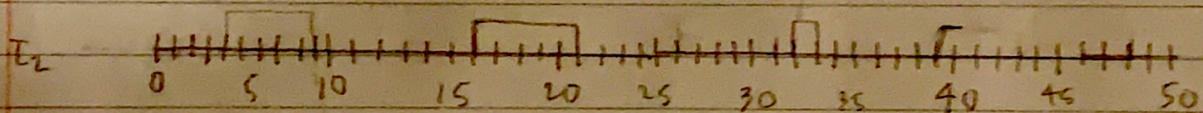
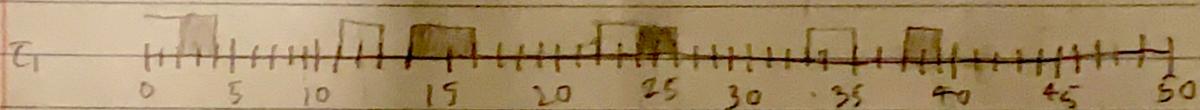
$$r_2 = (5, 16)$$

$$r_3 = (3, 31)$$

$$\text{UB: } \sum_{i=1}^n \frac{c_i}{T_i} \leq U(n) = n(2^{\lfloor \frac{n}{2} \rfloor} - 1)$$

$$7.1) \quad \frac{4}{11} + \frac{5}{16} + \frac{3}{31} \approx .7729$$

$U(3) \approx .7797 \geq .7729$ so it is schedulable.



NO task misses a deadline

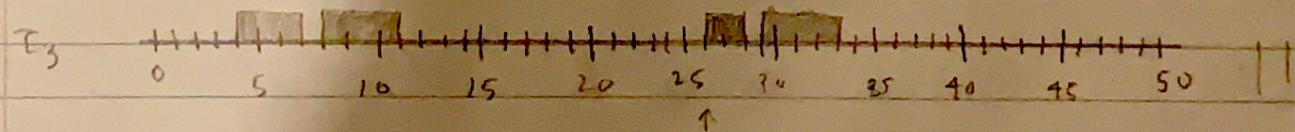
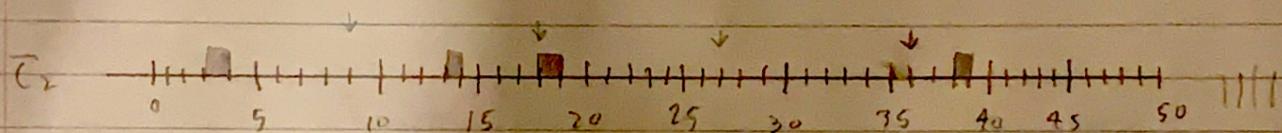
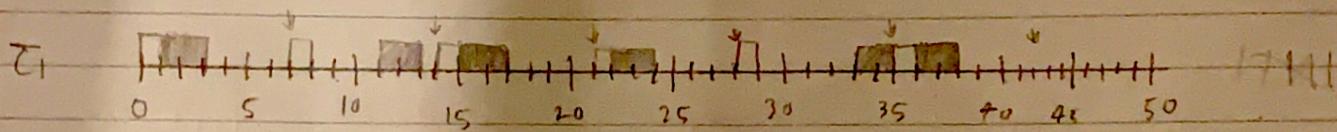
$$\tau_1 = (3, 7)$$

$$\tau_2 = (1, 9)$$

$$\tau_3 = (6, 26)$$

$$7.2) \quad \frac{3}{7} + \frac{1}{9} + \frac{6}{26} = .77$$

$V(3) \approx .7797 > .77$ so it is schedulable



Task 2 misses a deadline